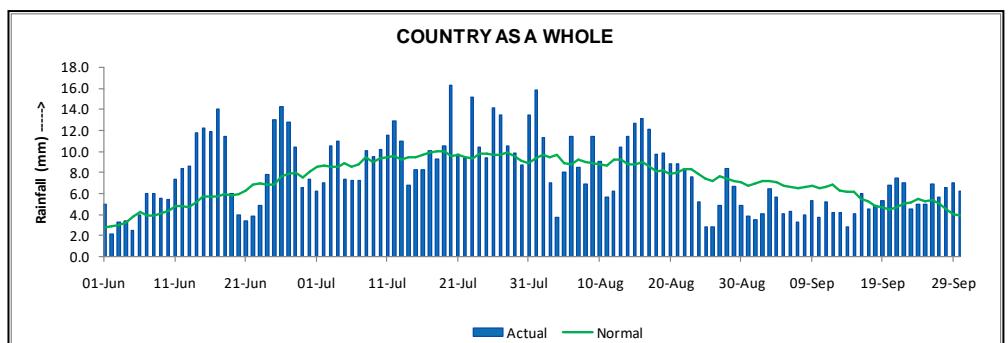
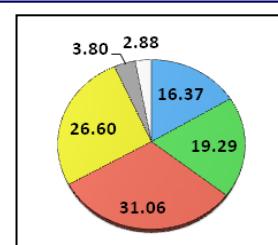
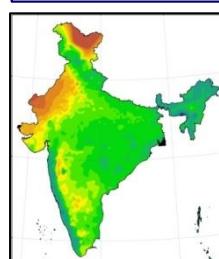
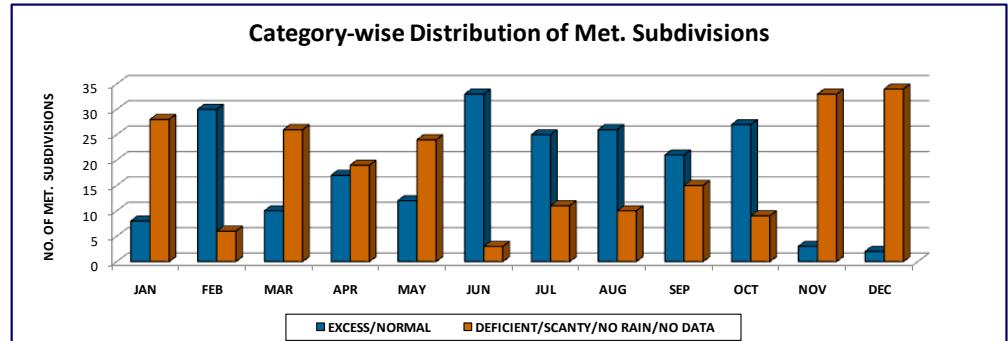




Rainfall Statistics of India - 2013

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





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M. K. PUROHIT

**Hydromet Division, India Meteorological Department
(Ministry of Earth Sciences)
Mausam Bhawan, Lodi Road
New Delhi – 110003**



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. For proper management of water resources, the rainfall statistics therefore is required by the Policy Makers, Planners, Design Structure Engineers, Agriculturists, Hydrologists, Research Scholars and many more. Keeping in view the usefulness of rainfall statistics, the publication of rainfall statistics on annual basis was started from 2012 onwards.

It gives me great pleasure to present the '**Rainfall Statistics of India – 2013**' based on the rainfall received during the year and its comparison with normal rainfall based on rainfall records for the period from 1951-2000.

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

(**L.S.RATHORE**)

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 subdivisional 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 2013 would be useful for the users.

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

Dr. (Mrs.) Surinder Kaur

M. K. Purohit

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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 has been depicted in the Figure 1. 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.

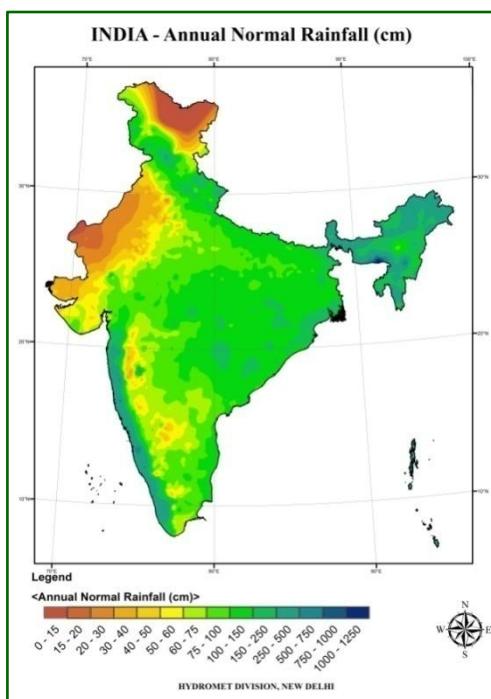


Figure 1: India - Annual Normal Rainfall

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 |
|-----------|-------------------------|---|
| Excess | 20% or more |  |
| Normal | -19% to +19% |  |
| Deficient | -20% to -59% |  |
| Scanty | -60% to -99% |  |
| No Rain | -100% |  |
| No Data | Data Not Available |  |

SEASONAL & ANNUAL RAINFALL STATISTICS FOR THE COUNTRY & BROAD REGIONS

The country as a whole received **annual rainfall** of **105%** of its normal rainfall of 118.6 cm and during **SW monsoon** season, **106%** 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](#).

Table 1: Region-wise seasonal and annual rainfall (mm) - Year 2013

| REGIONS | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------------|--------|-------------|---------|--------------|--------|
| COUNTRY AS A WHOLE | 51.4 | 103.8 | 937.4 | 150.0 | 1242.6 |
| NORTH WEST INDIA | 117.2 | 58.5 | 672.0 | 56.2 | 903.8 |
| CENTRAL INDIA | 18.3 | 32.5 | 1193.8 | 141.1 | 1385.8 |
| SOUTH PENINSULA | 28.1 | 96.0 | 825.7 | 264.6 | 1214.5 |
| EAST & NORTH EAST INDIA | 23.2 | 351.2 | 1045.5 | 208.1 | 1628.0 |

Table 2: % Departures of region-wise seasonal and annual rainfall - Year 2013

| REGIONS | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------------|--------|-------------|---------|--------------|--------|
| COUNTRY AS A WHOLE | 26% | -21% | 6% | 18% | 5% |
| NORTH WEST INDIA | 52% | -47% | 9% | -10% | 4% |
| CENTRAL INDIA | 16% | -19% | 23% | 77% | 25% |
| SOUTH PENINSULA | 84% | -23% | 15% | -3% | 8% |
| EAST & NORTH EAST INDIA | -58% | -6% | -27% | 22% | -20% |

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 310.1 mm and minimum in the month of December as 6.7 mm. However, on comparing with normals, it is observed that the maximum

rainfall of 82% of its normal rainfall is received in the month of February with three of the regions in Excess category. However, East & North East India remained in Deficient category in the month of February with 46% deficiency in rainfall. Minimum rainfall of -60% of its normal rainfall was received in the month of December with all the regions in Deficient/Scanty category.

Table 3: Region-wise monthly rainfall (mm) - Year 2013

| REGIONS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|
| COUNTRY AS A WHOLE | 11.3 | 40.1 | 15.7 | 30.3 | 57.8 | 219.8 | 310.1 | 254.9 | 152.6 | 129.3 | 14.0 | 6.7 |
| NORTH WEST INDIA | 29.8 | 87.3 | 20.6 | 20.0 | 17.9 | 155.0 | 204.3 | 247.2 | 65.6 | 40.7 | 6.2 | 9.3 |
| CENTRAL INDIA | 2.2 | 16.1 | 4.5 | 17.4 | 10.6 | 275.9 | 437.8 | 299.7 | 180.5 | 138.4 | 1.3 | 1.4 |
| SOUTH PENINSULA | 3.2 | 25.0 | 13.4 | 28.7 | 53.9 | 206.1 | 274.6 | 164.9 | 180.1 | 193.3 | 56.9 | 14.4 |
| EAST & NORTH EAST INDIA | 4.7 | 18.5 | 32.5 | 79.3 | 239.4 | 243.3 | 288.5 | 286.0 | 227.7 | 201.8 | 3.3 | 3.0 |

It may be observed ([Table 4](#)) that, East & North East remained scanty/deficient for all the months except for the months of May, August and October.

Table 4: % Departures of region-wise monthly rainfall - Year 2013

| REGIONS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| COUNTRY AS A WHOLE | -40% | 82% | -49% | -21% | -7% | 34% | 7% | -2% | -12% | 60% | -53% | -60% |
| NORTH WEST INDIA | -19% | 115% | -57% | -34% | -45% | 123% | -6% | 15% | -41% | 34% | -49% | -54% |
| CENTRAL INDIA | -72% | 105% | -53% | 73% | -48% | 68% | 35% | -2% | 0% | 137% | -92% | -77% |
| SOUTH PENINSULA | -59% | 234% | 14% | -17% | -31% | 30% | 25% | -9% | 15% | 24% | -33% | -55% |
| EAST & NORTH EAST INDIA | -77% | -46% | -50% | -32% | 27% | -30% | -34% | -19% | -23% | 54% | -87% | -78% |

SOUTH WEST MONSOON – 2013

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 2](#) and [Figure 3](#) respectively. The striking feature of the SW monsoon season has been that, country received excess rainfall for the month of June and normal rainfall for rest of the three months of the season.

Table 5: All India Rainfall - SW Monsoon 2013

| RAINFALL (mm) FOR THE COUNTRY AS A WHOLE : SOUTH WEST MONSOON SEASON - 2013 | | | |
|---|----------|--------|--------------------------|
| MONTH | OBSERVED | NORMAL | % DEPARTURES FROM NORMAL |
| JUNE | 219.8 | 163.5 | 34% |
| JULY | 310.1 | 288.9 | 7% |
| AUGUST | 254.9 | 261.0 | -2% |
| SEPTEMBER | 152.6 | 173.5 | -12% |
| MONSOON | 937.4 | 886.9 | 6% |

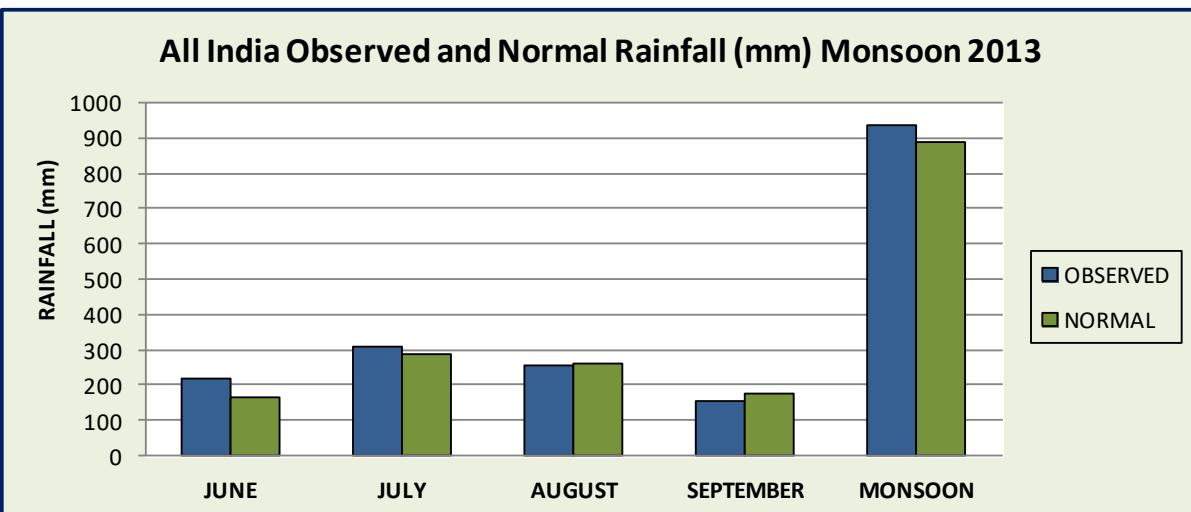


Figure 2: All India Rainfall – SW Monsoon 2013

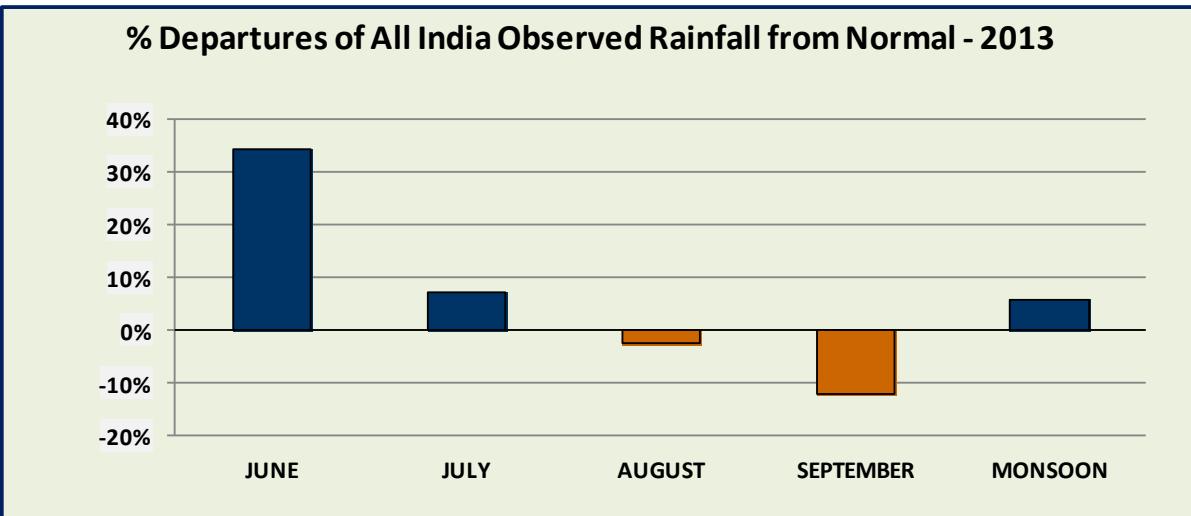


Figure 3: % Departures of All India Rainfall – SW Monsoon 2013

Spatial distribution of normal rainfall for the monsoon season has been depicted in [Figure 4](#). Normal rainfall distribution is based on the rainfall recorded at 2412 locations all over the India during the period from 1951 to 2000. Network map of raingauges used for drawing the spatial patterns of normal rainfall has been given at [Figure 5](#).

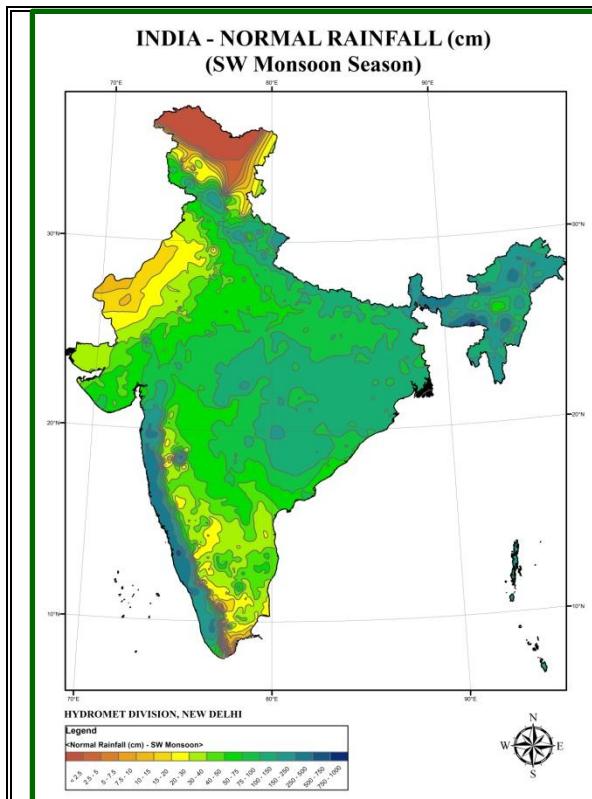


Figure 4: Normal Rainfall map - SW Monsoon Season

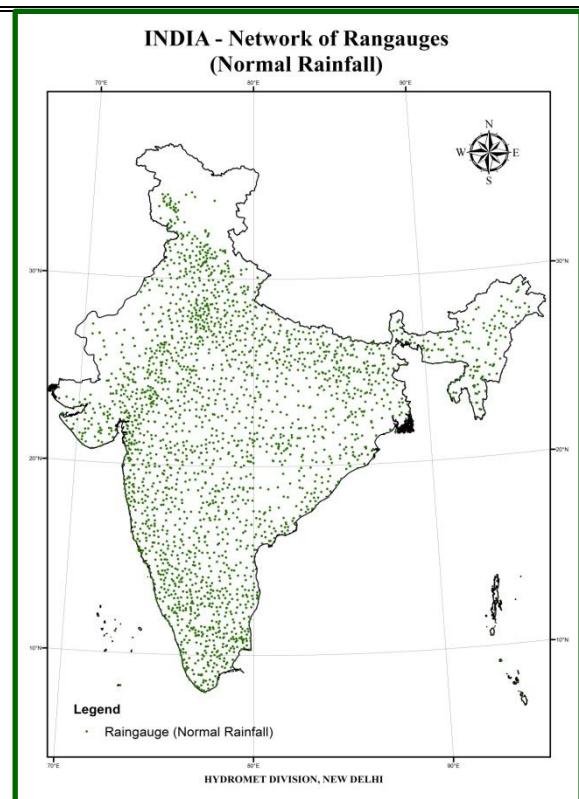


Figure 5: Raingauge Network - Normal Rainfall

Daily SW-Monsoon rainfall for the country and it's broad regions have been plotted against their normal rainfall, given below at Figure 6 through Figure 10.

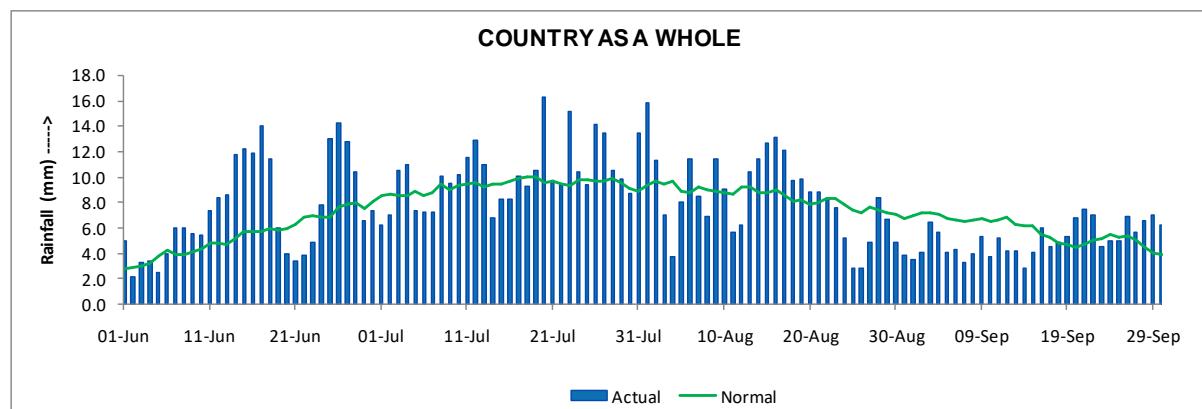


Figure 6: All India Rainfall - SW Monsoon Rainfall Distribution – 2013

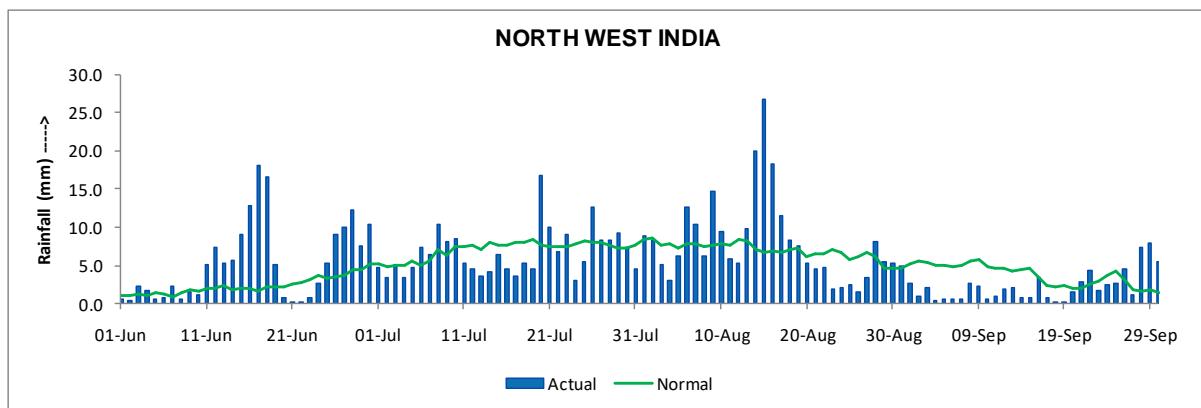


Figure 7: North West India - SW Monsoon Rainfall Distribution – 2013

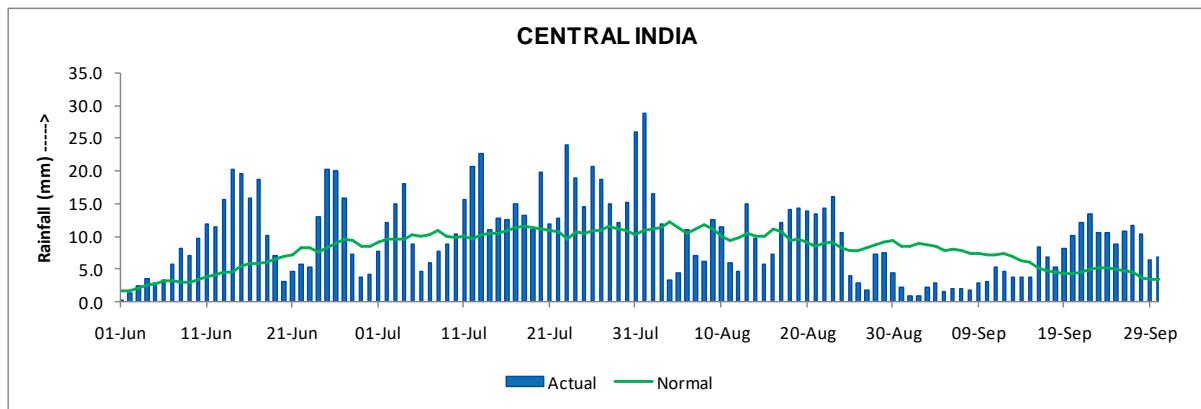


Figure 8: Central India - SW Monsoon Rainfall Distribution - 2013

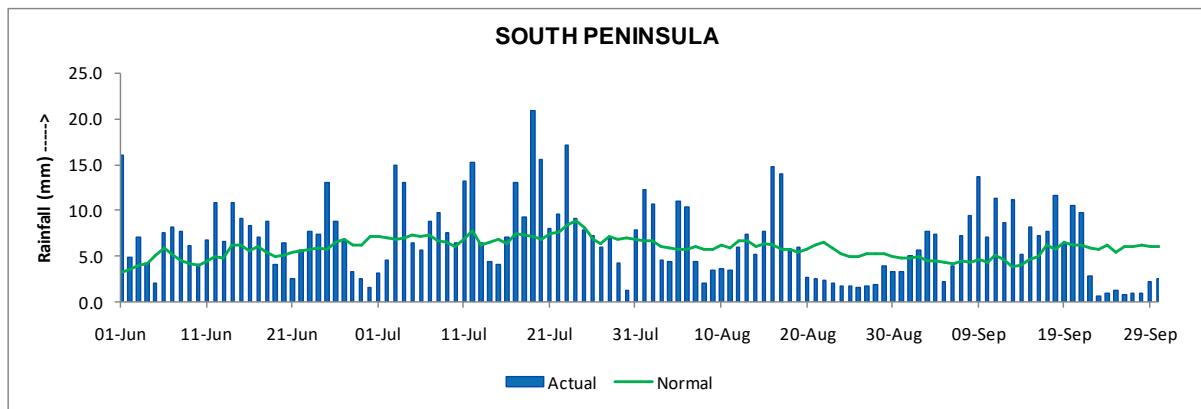


Figure 9: South Peninsula - SW Monsoon Rainfall Distribution – 2013

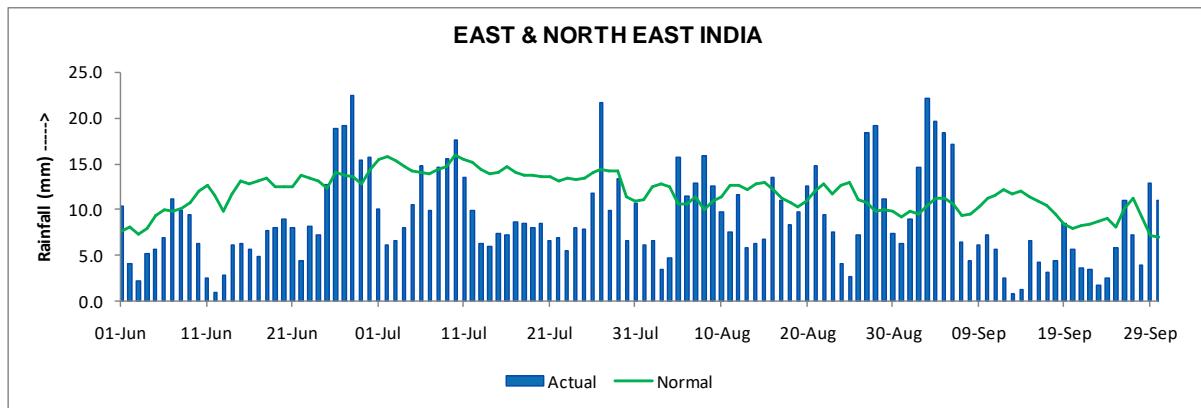


Figure 10: East & North East India - SW Monsoon Rainfall Distribution – 2013

SUBDIVISION-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

Seasonal and annual observed rainfall statistics during the year 2013 for all the 36 meteorological subdivisions are given in [Table 6](#) and Subdivisional percent departures of rainfall have been given in [Table 7](#). It may be observed from annual rainfall, Coastal Karnataka received highest rainfall of 4044.6 mm and West Rajasthan received lowest rainfall of 389.4 mm. During the monsoon season, Coastal Karnataka received highest rainfall of 3619.4 mm and Tamil Nadu and Pondicherry received lowest rainfall of 321.5 mm. On comparing with normals, it may be observed that, no subdivision remained in scanty category and only three met. subdivisions namely Arunachal Pradesh, Assam & Meghalaya and NMMT remained in deficient rainfall category by recording 70%, 71% and 72% respectively of its annual normal rainfall.

Table 6: Subdivision-wise seasonal and annual rainfall (mm) - Year 2013

| METEOROLOGICAL SUBDIVISIONS | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------------------|--------|-------------|---------|--------------|--------|
| A & N ISLAND | 104.7 | 598.6 | 2152.1 | 902.4 | 3757.8 |
| ARUNACHAL PRADESH | 59.0 | 626.0 | 1165.9 | 192.0 | 2042.9 |
| ASSAM & MEGHALAYA | 10.6 | 503.6 | 1168.4 | 128.9 | 1811.5 |
| N M M T | 5.9 | 428.9 | 995.2 | 127.1 | 1557.2 |
| SHWB & SIKKIM | 26.7 | 443.4 | 1717.6 | 218.5 | 2406.1 |
| GANGETIC WESTBENGAL | 12.9 | 265.7 | 1167.7 | 358.3 | 1804.7 |
| ODISHA | 11.2 | 113.4 | 1115.6 | 392.2 | 1632.4 |
| JHARKHAND | 19.0 | 109.0 | 844.5 | 281.1 | 1253.6 |
| BIHAR | 27.7 | 122.4 | 722.2 | 197.5 | 1069.9 |
| EAST U.P. | 65.9 | 12.6 | 864.6 | 99.0 | 1042.1 |
| WEST U.P. | 89.7 | 7.2 | 758.6 | 70.4 | 925.9 |
| UTTARAKHAND | 261.3 | 65.0 | 1373.0 | 36.2 | 1735.4 |
| HAR.CHD & DELHI | 73.2 | 10.0 | 363.3 | 14.8 | 461.3 |
| PUNJAB | 59.4 | 18.6 | 479.7 | 28.9 | 586.6 |
| HIMACHAL PRADESH | 249.8 | 131.3 | 774.2 | 61.6 | 1216.9 |
| JAMMU & KASHMIR | 257.1 | 189.4 | 651.9 | 95.4 | 1193.8 |
| WEST RAJASTHAN | 30.4 | 8.9 | 339.0 | 11.1 | 389.4 |
| EAST RAJASTHAN | 23.1 | 4.6 | 775.0 | 32.2 | 834.9 |
| WEST MADHYA PRADESH | 32.8 | 11.7 | 1280.4 | 71.4 | 1396.3 |
| EAST MADHYA PRADESH | 45.4 | 23.9 | 1326.9 | 125.7 | 1521.9 |
| GUJARAT REGION | 1.1 | 5.7 | 1183.8 | 60.0 | 1250.5 |
| SAURASHTRA & KUTCH | 2.1 | 9.8 | 777.3 | 34.7 | 823.9 |
| KONKAN & GOA | 4.7 | 22.2 | 3498.4 | 159.6 | 3684.9 |
| MADHYA MAHARASHTRA | 5.3 | 12.4 | 881.5 | 63.1 | 962.4 |
| MARATHWADA | 10.9 | 16.9 | 745.3 | 114.8 | 888.0 |
| VIDARBHA | 19.6 | 7.0 | 1360.0 | 133.5 | 1520.0 |
| CHHATTISGARH | 22.3 | 56.0 | 1165.1 | 175.0 | 1418.3 |
| COASTAL ANDHRA PRADESH | 39.5 | 63.2 | 524.2 | 455.0 | 1081.8 |
| TELANGANA | 34.1 | 37.7 | 949.2 | 251.0 | 1272.1 |
| RAYALASEEMA | 22.2 | 69.1 | 420.4 | 165.5 | 677.2 |
| TAMILNADU & PONDICHERRY | 34.8 | 92.2 | 321.5 | 293.4 | 741.9 |
| COASTAL KARNATAKA | 19.3 | 124.1 | 3619.4 | 281.8 | 4044.6 |
| N. I. KARNATAKA | 7.3 | 75.7 | 534.9 | 105.2 | 723.2 |
| S. I. KARNATAKA | 10.6 | 142.0 | 827.1 | 131.0 | 1110.7 |
| KERALA | 43.9 | 218.5 | 2561.2 | 431.8 | 3255.4 |
| LAKSHADWEEP | 60.6 | 131.1 | 1057.0 | 177.6 | 1426.3 |

Table 7: % Departures of subdivision-wise seasonal and annual rainfall - Year 2013

| METEOROLOGICAL SUBDIVISIONS | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------------------|--------|-------------|---------|--------------|--------|
| A & N ISLAND | 26% | 29% | 28% | 30% | 28% |
| ARUNACHAL PRADESH | -60% | -17% | -34% | -28% | -30% |
| ASSAM & MEGHALAYA | -77% | -15% | -35% | -34% | -31% |
| N M M T | -87% | -13% | -34% | -48% | -32% |
| SHWB & SIKKIM | -56% | -3% | -14% | 18% | -11% |
| GANGETIC WEST BENGAL | -63% | 61% | 0% | 124% | 18% |
| ODISHA | -65% | -16% | -3% | 172% | 12% |
| JHARKHAND | -43% | 37% | -23% | 207% | -3% |
| BIHAR | 20% | 58% | -30% | 155% | -11% |
| EAST U.P. | 128% | -60% | -4% | 64% | 2% |
| WEST U.P. | 169% | -75% | -1% | 29% | 4% |
| UTTARAKHAND | 146% | -58% | 12% | -60% | 10% |
| HAR.CHD & DELHI | 122% | -71% | -22% | -50% | -18% |
| PUNJAB | 20% | -65% | -2% | -30% | -8% |
| HIMACHAL PRADESH | 28% | -46% | -6% | -43% | -11% |
| JAMMU & KASHMIR | 21% | -42% | 22% | -28% | -1% |
| WEST RAJASTHAN | 311% | -53% | 29% | 17% | 30% |
| EAST RAJASTHAN | 120% | -73% | 26% | 17% | 24% |
| WEST MADHYA PRADESH | 141% | -13% | 46% | 34% | 46% |
| EAST MADHYA PRADESH | 29% | -5% | 26% | 118% | 30% |
| GUJARAT REGION | -4% | -11% | 31% | 72% | 33% |
| SAURASHTRA & KUTCH | 250% | 152% | 64% | 20% | 63% |
| KONKAN & GOA | 1466% | -40% | 20% | 7% | 19% |
| MADHYA MAHARASHTRA | 181% | -67% | 21% | -41% | 10% |
| MARATHWADA | 60% | -44% | 9% | 13% | 8% |
| VIDARBHA | 14% | -77% | 42% | 63% | 40% |
| CHHATTISGARH | 5% | 24% | 2% | 128% | 10% |
| COASTAL ANDHRA PRADESH | 111% | -35% | -10% | 39% | 6% |
| TELANGANA | 202% | -34% | 26% | 110% | 35% |
| RAYALASEEMA | 236% | -16% | 6% | -25% | -4% |
| TAMILNADU & PONDICHERRY | 13% | -28% | 1% | -33% | -19% |
| COASTAL KARNATAKA | 2043% | -31% | 17% | 7% | 15% |
| N. I. KARNATAKA | 87% | -11% | 6% | -28% | -2% |
| S. I. KARNATAKA | 141% | -2% | 25% | -37% | 9% |
| KERALA | 88% | -42% | 26% | -10% | 11% |
| LAKSHADWEEP | 71% | -44% | 6% | -47% | -11% |

Annual rainfall statistics for the year 2013 show that, 24 meteorological subdivisions remained in Normal, 3 in deficient and 9 remained in Excess category of rainfall. The categorywise statistics and chart for seasonal distribution of no. of meteorological subdivisions have been given in **Table 8** and **Figure 11** respectively.

Table 8: Categorywise number of Meteorological Subdivisions - seasonally and annually - Year 2013

| CATEGORY | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------|--------|-------------|---------|--------------|--------|
| EXCESS | 25 | 6 | 14 | 15 | 9 |
| NORMAL | 4 | 11 | 16 | 7 | 24 |
| DEFICIENT | 2 | 12 | 6 | 13 | 3 |
| SCANTY | 5 | 7 | 0 | 1 | 0 |
| NO RAIN | 0 | 0 | 0 | 0 | 0 |
| NO DATA | 0 | 0 | 0 | 0 | 0 |

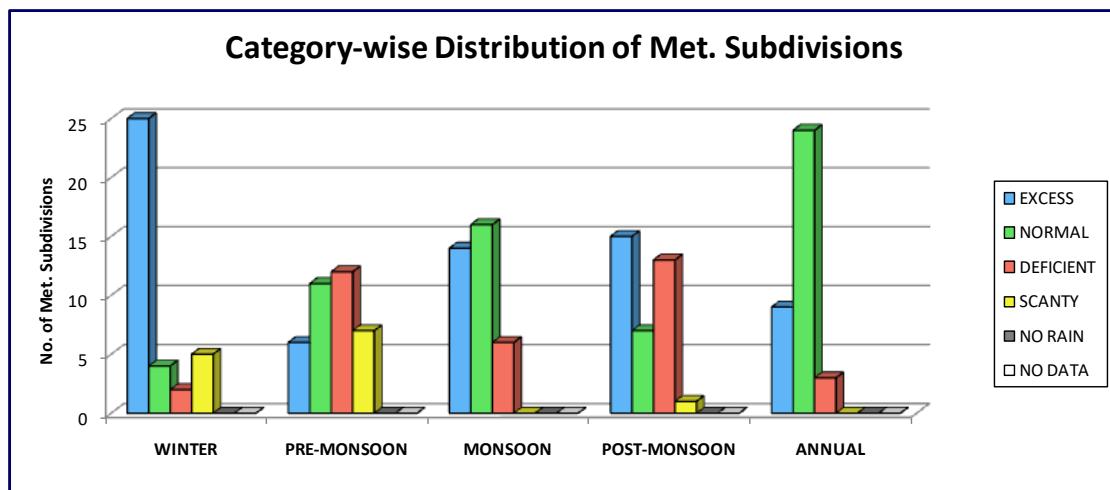


Figure 11: Categorywise distribution of Meteorological Subdivisions – seasonally and annually

Distribution of meteorological subdivisions in terms of their areas under different categories in the four seasons and for the years has been depicted in Figure 12 through Figure 16.

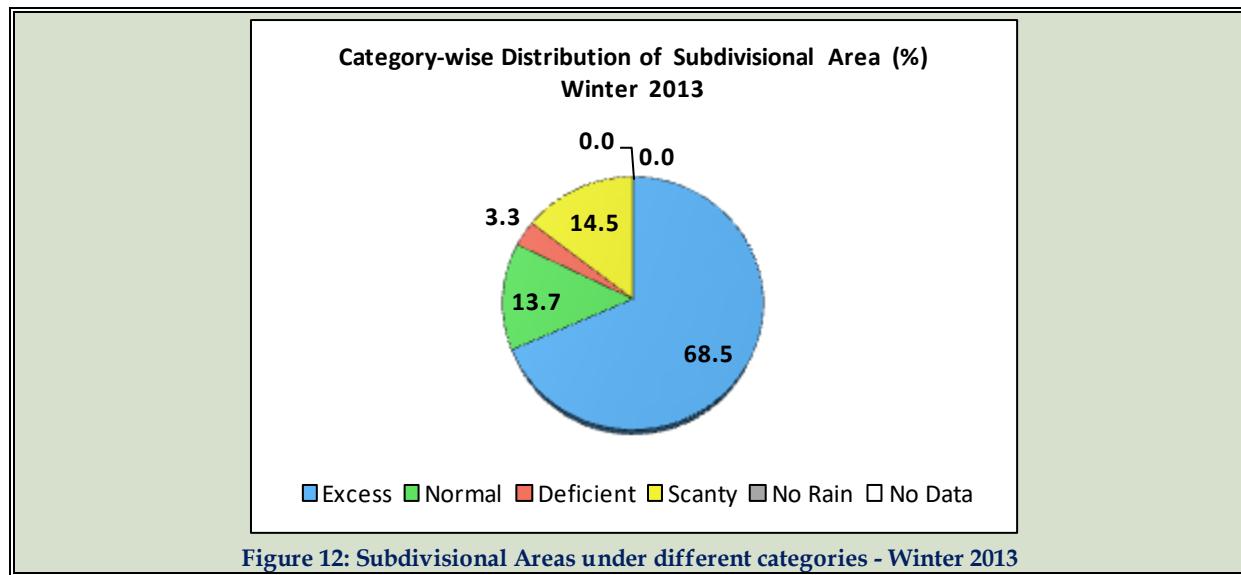


Figure 12: Subdivisional Areas under different categories - Winter 2013

**Category-wise Distribution of Subdivisional Area (%)
Pre - Monsoon 2013**

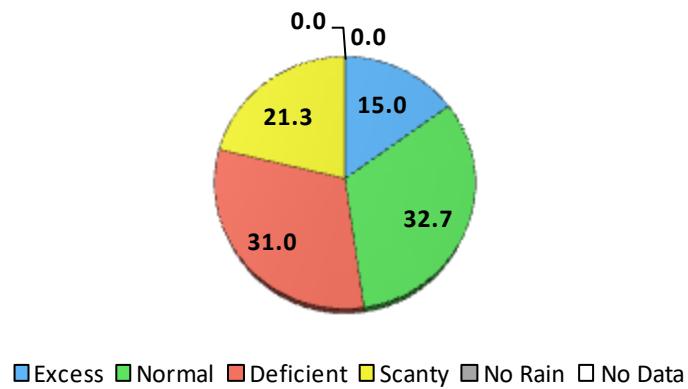


Figure 13: Subdivisional Areas under different categories - Pre Monsoon 2013

**Category-wise Distribution of Subdivisional Area (%)
Monsoon 2013**

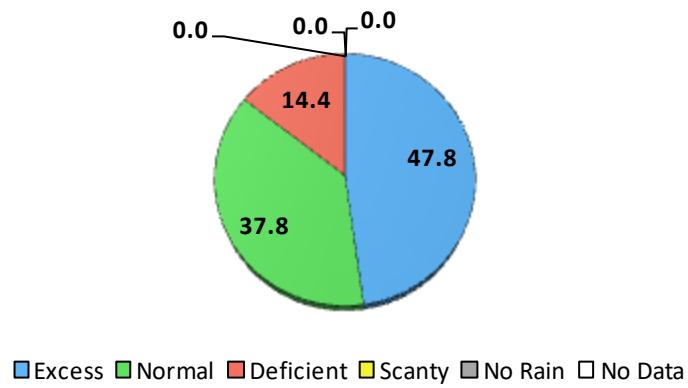


Figure 14: Subdivisional Areas under different categories - Monsoon 2013

**Category-wise Distribution of Subdivisional Area (%)
Post - Monsoon 2013**

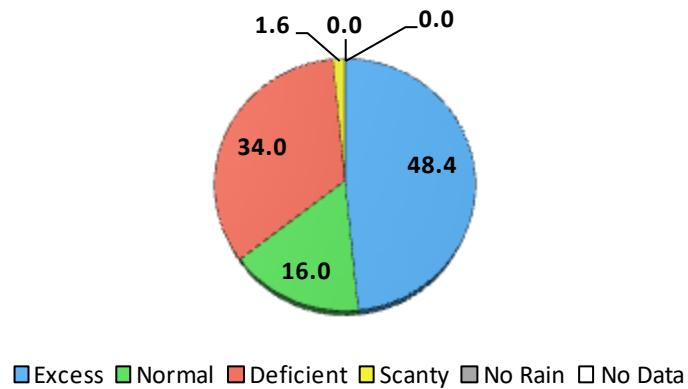
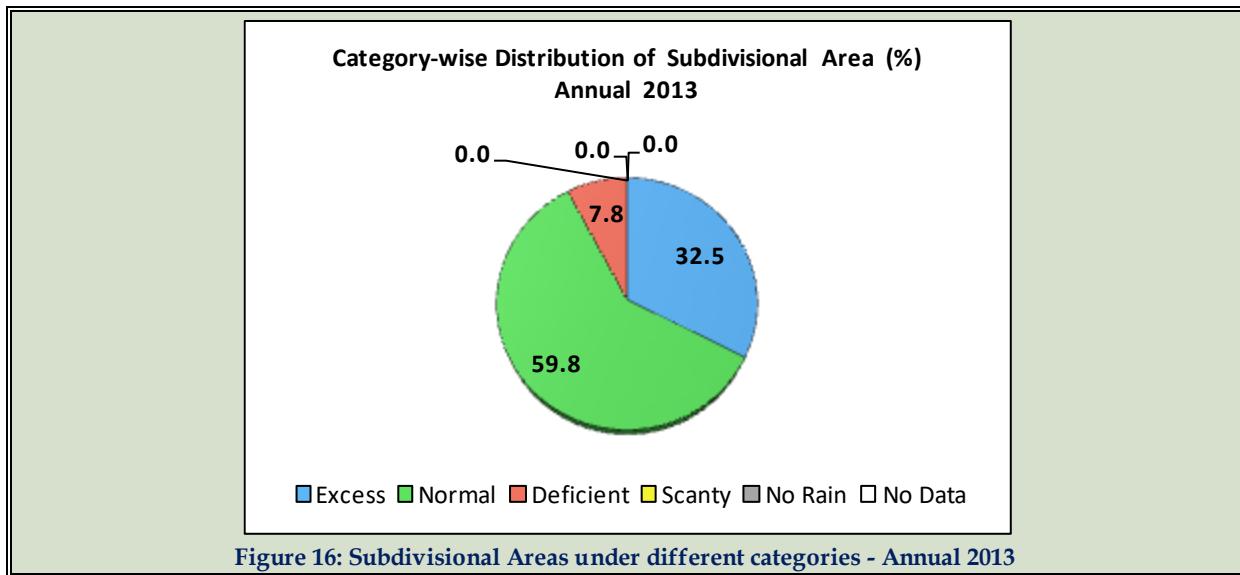


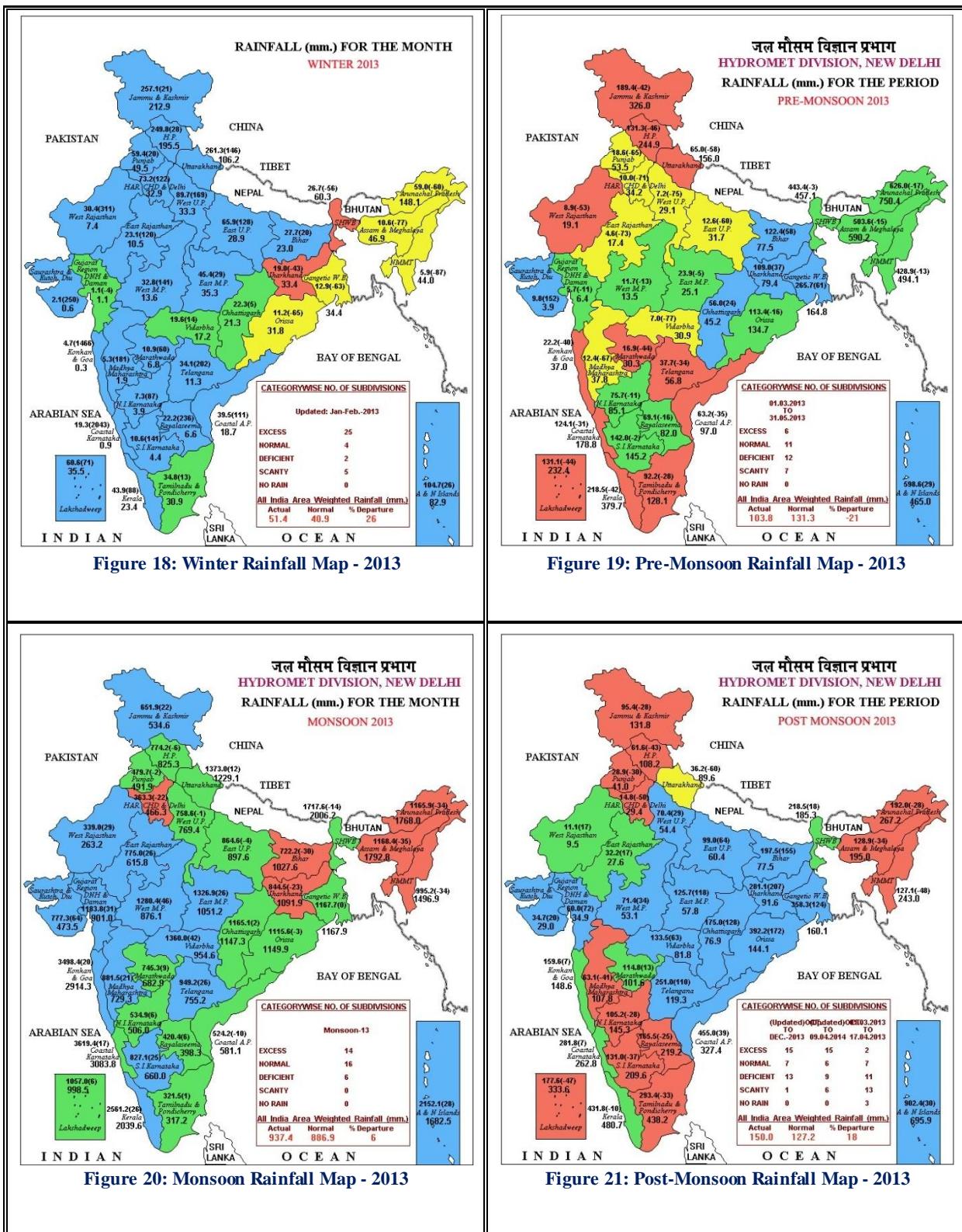
Figure 15: Subdivisional Areas under different categories - Post Monsoon 2013



SUBDIVISION-WISE ANNUAL & SEASONAL RAINFALL MAPS

Subdivisionwise rainfall maps depicting the observed and normal rainfall values alongwith their percentage departures from normals with defined colors for different categories are given below at Figure 17 through Figure 21. 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.





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 9 and Table 10 respectively.

Table 9: Subdivision-wise monthly rainfall (mm) - Year 2013

| METEOROLOGICAL SUBDIVISIONS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------------------|------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|------|
| A & N ISLAND | 67.1 | 37.6 | 43.0 | 46.3 | 509.3 | 777.0 | 564.8 | 336.7 | 473.6 | 455.8 | 354.2 | 92.3 |
| ARUNACHAL PRADESH | 18.5 | 40.5 | 115.1 | 175.1 | 335.8 | 290.0 | 329.6 | 230.2 | 316.1 | 164.1 | 13.3 | 14.6 |
| ASSAM & MEGHALAYA | 1.1 | 9.5 | 44.4 | 112.1 | 347.0 | 285.6 | 366.4 | 291.2 | 225.3 | 125.9 | 1.1 | 2.0 |
| N M M T | 0.2 | 5.7 | 19.7 | 60.3 | 348.9 | 206.6 | 255.9 | 291.3 | 241.4 | 125.6 | 0.3 | 1.2 |
| SHWB & SIKKIM | 3.0 | 23.6 | 32.1 | 114.7 | 296.5 | 404.9 | 588.4 | 416.3 | 308.0 | 199.8 | 16.1 | 2.7 |
| GANGETIC WEST BENGAL | 2.4 | 10.5 | 6.6 | 48.4 | 210.7 | 247.9 | 266.1 | 398.8 | 255.0 | 358.3 | 0.0 | 0.0 |
| ORISSA | 3.3 | 7.8 | 2.1 | 53.6 | 57.7 | 272.6 | 380.0 | 254.9 | 208.1 | 390.9 | 1.2 | 0.0 |
| JHARKHAND | 1.1 | 17.9 | 1.6 | 22.3 | 85.0 | 181.5 | 211.1 | 278.1 | 173.8 | 281.1 | 0.0 | 0.0 |
| BIHAR | 5.1 | 22.6 | 0.6 | 32.3 | 89.5 | 183.3 | 182.0 | 213.6 | 143.3 | 197.1 | 0.4 | 0.0 |
| EAST U.P. | 6.1 | 59.7 | 2.7 | 8.7 | 1.1 | 310.1 | 230.0 | 246.3 | 78.2 | 97.4 | 0.5 | 1.1 |
| WEST U.P. | 21.1 | 68.6 | 3.6 | 1.5 | 2.1 | 189.0 | 236.0 | 282.6 | 51.1 | 59.7 | 1.7 | 9.0 |
| UTTARAKHAND | 73.0 | 188.3 | 22.0 | 24.7 | 18.2 | 488.9 | 413.4 | 359.4 | 111.3 | 29.1 | 3.2 | 3.8 |
| HAR. CHD & DELHI | 21.1 | 52.1 | 5.3 | 3.3 | 1.4 | 61.9 | 96.8 | 161.8 | 42.8 | 11.0 | 1.7 | 2.1 |
| PUNJAB | 9.3 | 50.1 | 11.6 | 3.4 | 3.6 | 120.3 | 117.9 | 217.1 | 24.4 | 16.2 | 6.1 | 6.6 |
| HIMACHAL PRADESH | 75.6 | 174.2 | 75.1 | 25.0 | 31.3 | 240.7 | 219.7 | 245.9 | 67.9 | 20.5 | 15.8 | 25.4 |
| JAMMU & KASHMIR | 71.6 | 185.4 | 58.6 | 66.5 | 64.3 | 112.7 | 175.3 | 306.2 | 57.7 | 48.2 | 18.8 | 28.4 |
| WEST RAJASTHAN | 8.6 | 21.8 | 4.2 | 3.1 | 1.7 | 37.6 | 104.5 | 138.2 | 58.7 | 10.1 | 1.0 | 0.0 |
| EAST RAJASTHAN | 1.4 | 21.7 | 0.4 | 3.2 | 1.0 | 90.4 | 318.3 | 278.4 | 87.9 | 30.5 | 1.3 | 0.3 |
| WEST MADHYA PRADESH | 1.7 | 31.1 | 8.5 | 2.8 | 0.4 | 263.7 | 485.1 | 432.6 | 98.9 | 68.7 | 0.3 | 2.4 |
| EAST MADHYA PRADESH | 2.0 | 43.4 | 14.1 | 9.5 | 0.3 | 311.9 | 456.2 | 480.8 | 78.0 | 124.2 | 0.5 | 1.0 |
| GUJARAT REGION | 0.0 | 1.1 | 0.1 | 5.6 | 0.0 | 168.2 | 454.2 | 238.1 | 323.3 | 59.9 | 0.1 | 0.0 |
| SAURASHTRA & KUTCH | 1.9 | 0.2 | 0.1 | 9.6 | 0.1 | 159.1 | 208.9 | 100.4 | 308.9 | 34.7 | 0.0 | 0.0 |
| KONKAN & GOA | 0.0 | 4.7 | 0.0 | 0.1 | 22.1 | 1073.0 | 1555.1 | 517.2 | 353.1 | 155.8 | 2.5 | 1.3 |
| MADHYA MAHARASHTRA | 0.1 | 5.3 | 0.8 | 5.7 | 6.0 | 212.4 | 311.8 | 147.0 | 210.3 | 57.8 | 4.0 | 1.3 |
| MARATHWADA | 1.5 | 9.4 | 2.6 | 7.9 | 6.4 | 160.9 | 293.4 | 136.9 | 154.1 | 94.3 | 7.4 | 13.1 |
| VIDARBHA | 6.6 | 13.0 | 3.8 | 2.8 | 0.5 | 366.7 | 535.5 | 326.1 | 131.7 | 133.5 | 0.0 | 0.0 |
| CHHATTISGARH | 2.9 | 19.4 | 4.8 | 45.5 | 5.7 | 265.6 | 425.4 | 335.8 | 138.3 | 174.6 | 0.3 | 0.1 |
| COASTAL ANDHRA PRADESH | 1.2 | 38.2 | 4.5 | 37.0 | 21.7 | 101.0 | 157.9 | 127.3 | 138.0 | 384.3 | 66.5 | 4.2 |
| TELANGANA | 3.9 | 30.2 | 0.1 | 25.1 | 12.5 | 185.6 | 386.2 | 212.3 | 165.1 | 232.6 | 17.3 | 1.1 |
| RAYALASEEMA | 0.7 | 21.5 | 7.2 | 23.7 | 38.2 | 65.2 | 82.8 | 90.0 | 182.4 | 140.4 | 23.6 | 1.5 |
| TAMILNADU & PONDICHERRY | 3.9 | 30.9 | 30.0 | 20.3 | 42.0 | 54.6 | 42.7 | 110.7 | 113.5 | 127.9 | 112.3 | 53.2 |
| COASTAL KARNATAKA | 3.5 | 15.8 | 10.0 | 22.2 | 91.9 | 1044.5 | 1536.4 | 668.0 | 370.5 | 238.2 | 38.4 | 5.3 |
| N. I. KARNATAKA | 1.2 | 6.1 | 3.0 | 25.4 | 47.4 | 99.4 | 160.7 | 73.9 | 201.0 | 101.0 | 4.2 | 0.1 |
| S. I. KARNATAKA | 0.5 | 10.1 | 11.7 | 34.6 | 95.6 | 176.2 | 307.4 | 151.7 | 191.8 | 103.7 | 24.9 | 2.4 |
| KERALA | 3.9 | 40.1 | 49.9 | 49.3 | 119.3 | 1042.7 | 830.2 | 369.7 | 318.6 | 259.9 | 154.9 | 17.0 |
| LAKSHADWEEP | 26.2 | 34.4 | 37.5 | 5.3 | 88.3 | 426.2 | 296.4 | 154.4 | 180.0 | 72.8 | 78.1 | 26.7 |

Table 10: % Departures of subdivision-wise monthly rainfall - Year 2013

| METEOROLOGICAL SUBDIVISIONS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| A & N ISLAND | 25% | 29% | 72% | -43% | 42% | 77% | 39% | -17% | 10% | 54% | 40% | -37% |
| ARUNACHAL PRADESH | -63% | -59% | -36% | -37% | 15% | -42% | -39% | -36% | -15% | -10% | -71% | -62% |
| ASSAM & MEGHALAYA | -93% | -69% | -43% | -38% | 5% | -43% | -34% | -29% | -31% | -19% | -96% | -83% |
| N M M T | -99% | -81% | -74% | -60% | 30% | -50% | -38% | -23% | -17% | -30% | -99% | -90% |
| SHWB & SIKKIM | -89% | -30% | -49% | -7% | 10% | -17% | -4% | -16% | -25% | 30% | -21% | -75% |
| GANGETIC WEST BENGAL | -82% | -50% | -76% | 15% | 123% | 1% | -20% | 28% | -9% | 177% | -99% | -99% |

| METEOROLOGICAL SUBDIVISIONS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|
| ORISSA | -69% | -63% | -92% | 43% | -18% | 27% | 13% | -30% | -12% | 250% | -96% | -99% |
| JHARKHAND | -93% | 3% | -91% | 21% | 94% | -8% | -37% | -12% | -29% | 274% | -100% | -100% |
| BIHAR | -61% | 133% | -94% | 98% | 75% | 9% | -47% | -27% | -36% | 204% | -94% | -100% |
| EAST U.P. | -64% | 394% | -70% | 56% | -93% | 188% | -23% | -16% | -60% | 98% | -89% | -83% |
| WEST U.P. | 16% | 354% | -68% | -68% | -84% | 166% | -9% | -3% | -66% | 42% | -63% | 19% |
| UTTARAKHAND | 40% | 248% | -62% | -26% | -72% | 191% | -3% | -16% | -46% | -50% | -67% | -82% |
| HAR. CHD & DELHI | 18% | 245% | -58% | -56% | -90% | 35% | -42% | -7% | -47% | -38% | -65% | -70% |
| PUNJAB | -63% | 106% | -54% | -73% | -77% | 171% | -37% | 27% | -73% | -26% | 7% | -51% |
| HIMACHAL PRADESH | -23% | 78% | -34% | -62% | -52% | 152% | -28% | -13% | -52% | -52% | -22% | -44% |
| JAMMU & KASHMIR | -25% | 58% | -61% | -32% | -16% | 76% | -9% | 65% | -37% | 24% | -43% | -53% |
| WEST RAJASTHAN | 198% | 383% | 10% | -27% | -85% | 26% | 2% | 55% | 42% | 88% | -61% | -100% |
| EAST RAJASTHAN | -75% | 344% | -89% | 11% | -91% | 45% | 41% | 22% | -12% | 81% | -82% | -90% |
| WEST MADHYA PRADESH | -80% | 509% | 85% | 41% | -95% | 150% | 66% | 40% | -42% | 100% | -97% | -69% |
| EAST MADHYA PRADESH | -90% | 183% | 13% | 72% | -96% | 133% | 31% | 30% | -61% | 231% | -95% | -90% |
| GUJARAT REGION | -100% | 250% | -93% | 1764% | -99% | 29% | 35% | -14% | 106% | 153% | -99% | -100% |
| SAURASHTRA & KUTCH | 367% | 15% | -92% | 4703% | -95% | 85% | 11% | -19% | 313% | 94% | -99% | -100% |
| KONKAN & GOA | -100% | 2249% | -100% | -98% | -36% | 53% | 40% | -32% | 2% | 29% | -89% | -75% |
| MADHYA MAHARASHTRA | -93% | 558% | -72% | -35% | -77% | 46% | 29% | -22% | 38% | -27% | -83% | -79% |
| MARATHWADA | -60% | 213% | -54% | 22% | -65% | 12% | 57% | -27% | -6% | 30% | -65% | 62% |
| VIDARBHA | -35% | 85% | -69% | -64% | -96% | 118% | 72% | 7% | -22% | 124% | -99% | -100% |
| CHHATTISGARH | -73% | 83% | -64% | 230% | -68% | 45% | 13% | -10% | -36% | 180% | -97% | -99% |
| COASTAL ANDHRA PRADESH | -85% | 268% | -59% | 70% | -66% | -3% | -2% | -19% | -13% | 99% | -38% | -85% |
| TELANGANA | -32% | 449% | -99% | 52% | -60% | 37% | 62% | -3% | 2% | 152% | -20% | -80% |
| RAYALASEEMA | -77% | 497% | 11% | 19% | -31% | -4% | -12% | -13% | 37% | 8% | -64% | -94% |
| TAMILNADU & PONDICHERRY | -78% | 130% | 64% | -52% | -38% | 19% | -37% | 27% | -2% | -29% | -34% | -40% |
| COASTAL KARNATAKA | 397% | 7806% | 145% | -21% | -37% | 20% | 32% | -12% | 23% | 26% | -36% | -62% |
| N. I. KARNATAKA | -45% | 259% | -43% | -1% | -13% | -5% | 19% | -39% | 38% | -10% | -85% | -99% |
| S. I. KARNATAKA | -65% | 237% | 38% | -21% | 3% | 25% | 42% | -6% | 36% | -30% | -49% | -81% |
| KERALA | -56% | 173% | 64% | -55% | -50% | 60% | 14% | -12% | 30% | -11% | 3% | -55% |
| LAKSHADWEEP | 26% | 134% | 218% | -89% | -49% | 29% | 3% | -29% | 10% | -54% | -34% | -55% |

The statistics and chart for monthly distribution of no. of meteorological subdivisions in different categories have been given in [Table 11](#) and [Figure 22](#) respectively.

It may be observed ([Table 10](#)) that Arunachal Pradesh, Assam & Meghalaya and NMMT remained Scanty or Deficient continuously for period of four months from January to April. Assam & Meghalaya again experienced deficiency of rainfall continuously for the months from June to September. Similarly, Uttarakhand, Himachal Pradesh and Haryana, Chandigarh & Delhi also recorded deficient or scanty rainfall for the months from September to December. In the month of December, all the subdivisions were in deficient/scanty/No Rain category, except for the subdivisions, Marathwada and West Uttar Pradesh. Similarly, in the months of November, only three meteorological subdivisions, A & N Islands, Punjab and Kerala remained in Excess/Normal rainfall category. It may be observed from [Table 11](#) that in the month of January, most part of the country experienced deficient/scanty rainfall, where as in the month of February, most part of the country experienced excess/normal rainfall. Similar is the case for the months of May and June.

Table 11: Categorywise monthly number of meteorological subdivisions - Year 2013

| CATEGORY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EXCESS | 6 | 28 | 7 | 12 | 5 | 24 | 12 | 8 | 9 | 22 | 1 | 1 |
| NORMAL | 2 | 2 | 3 | 5 | 7 | 9 | 13 | 18 | 12 | 5 | 2 | 1 |
| DEFICIENT | 6 | 3 | 9 | 12 | 7 | 3 | 11 | 10 | 11 | 9 | 9 | 7 |
| SCANTY | 20 | 3 | 16 | 7 | 17 | 0 | 0 | 0 | 4 | 0 | 23 | 21 |
| NO RAIN | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| NO DATA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

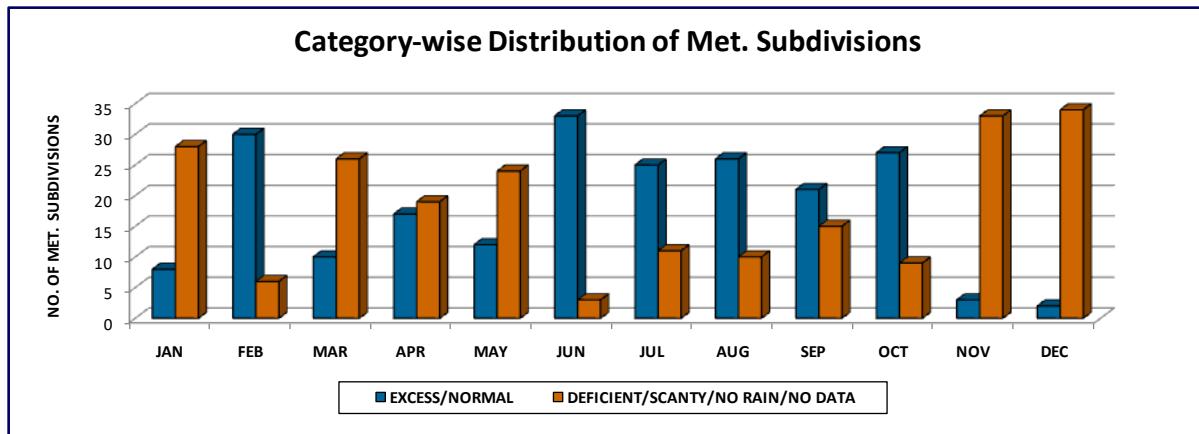


Figure 22: Categorywise distribution of Meteorological Subdivisions – Monthly - Year 2013

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 23 through Figure 34. 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.

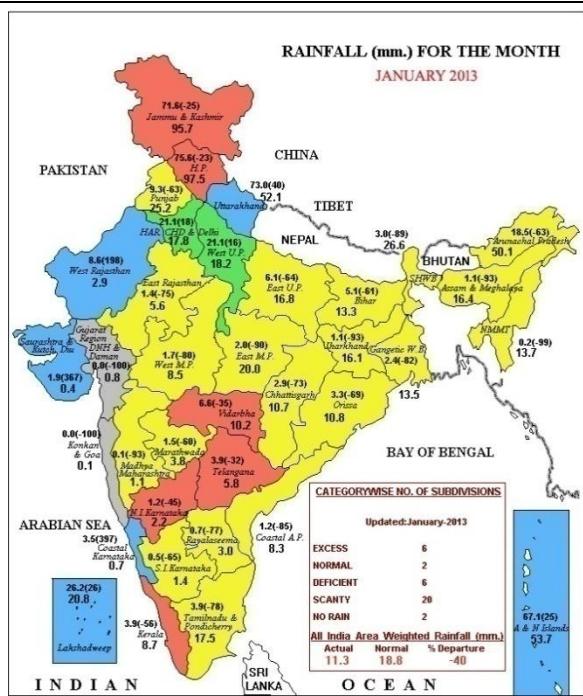


Figure 23: Rainfall map – January 2013

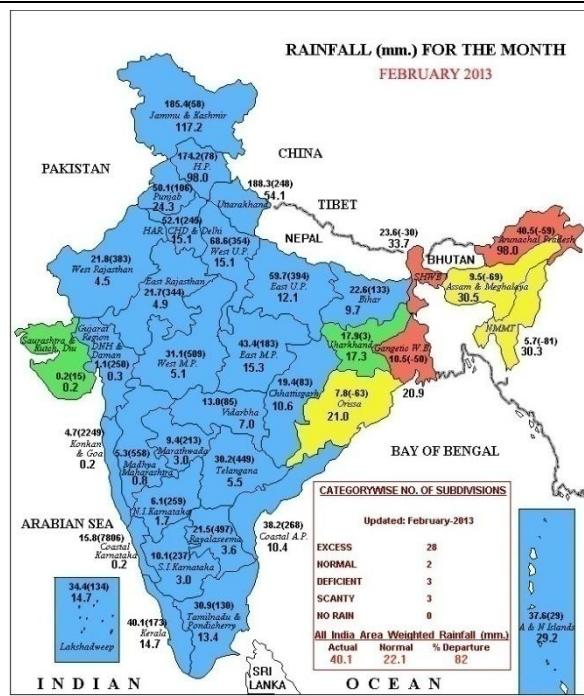


Figure 24: Rainfall map - February 2013

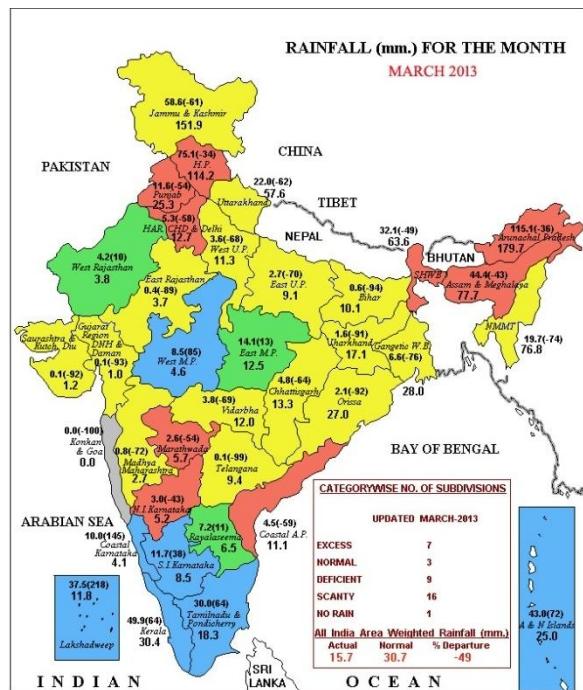


Figure 25: Rainfall map - March 2013

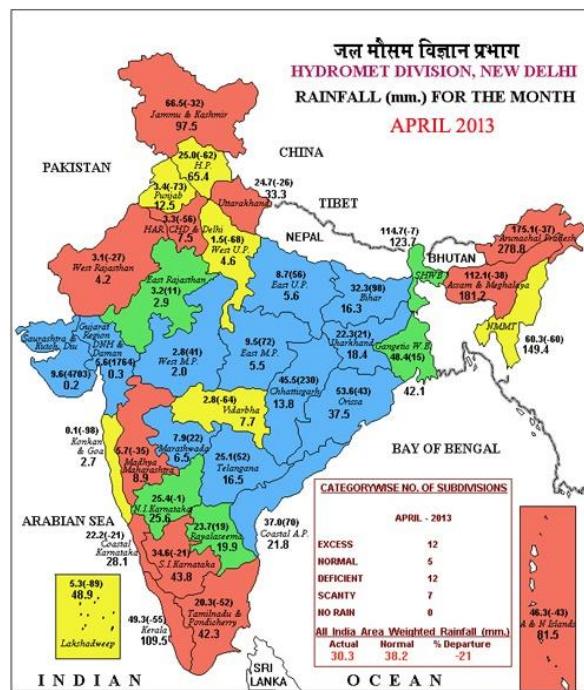


Figure 26: Rainfall map - April 2013

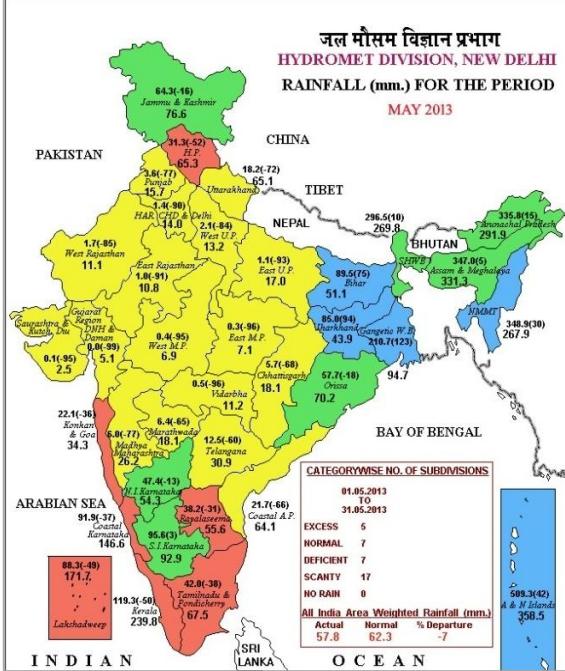


Figure 27: Rainfall map - May 2013

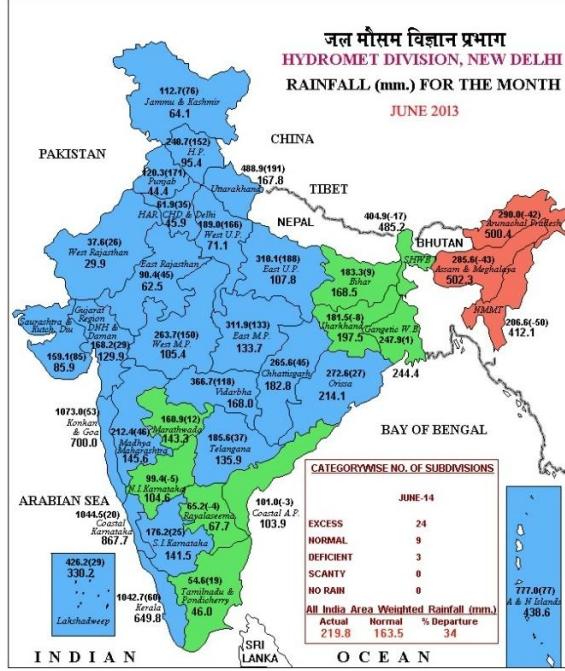


Figure 28: Rainfall map - June 2013

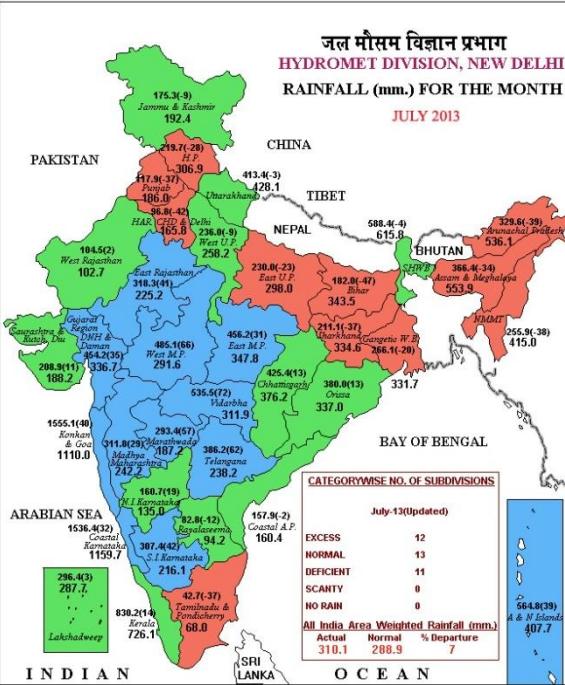


Figure 29: Rainfall map - July 2013

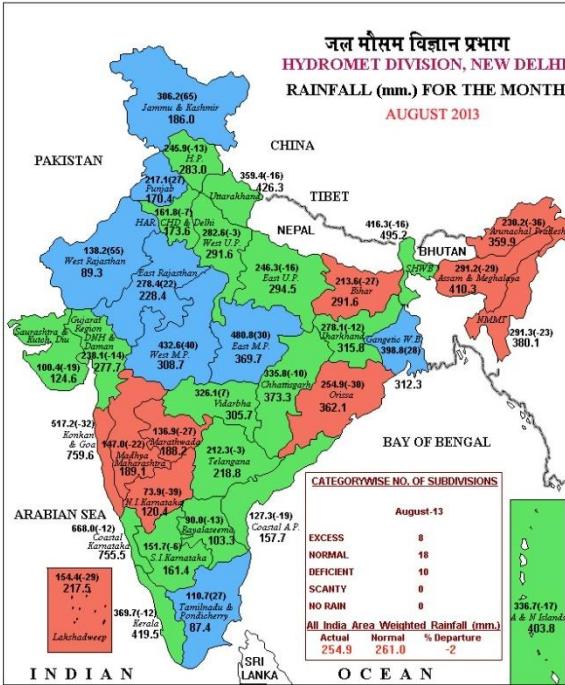


Figure 30: Rainfall map - August 2013

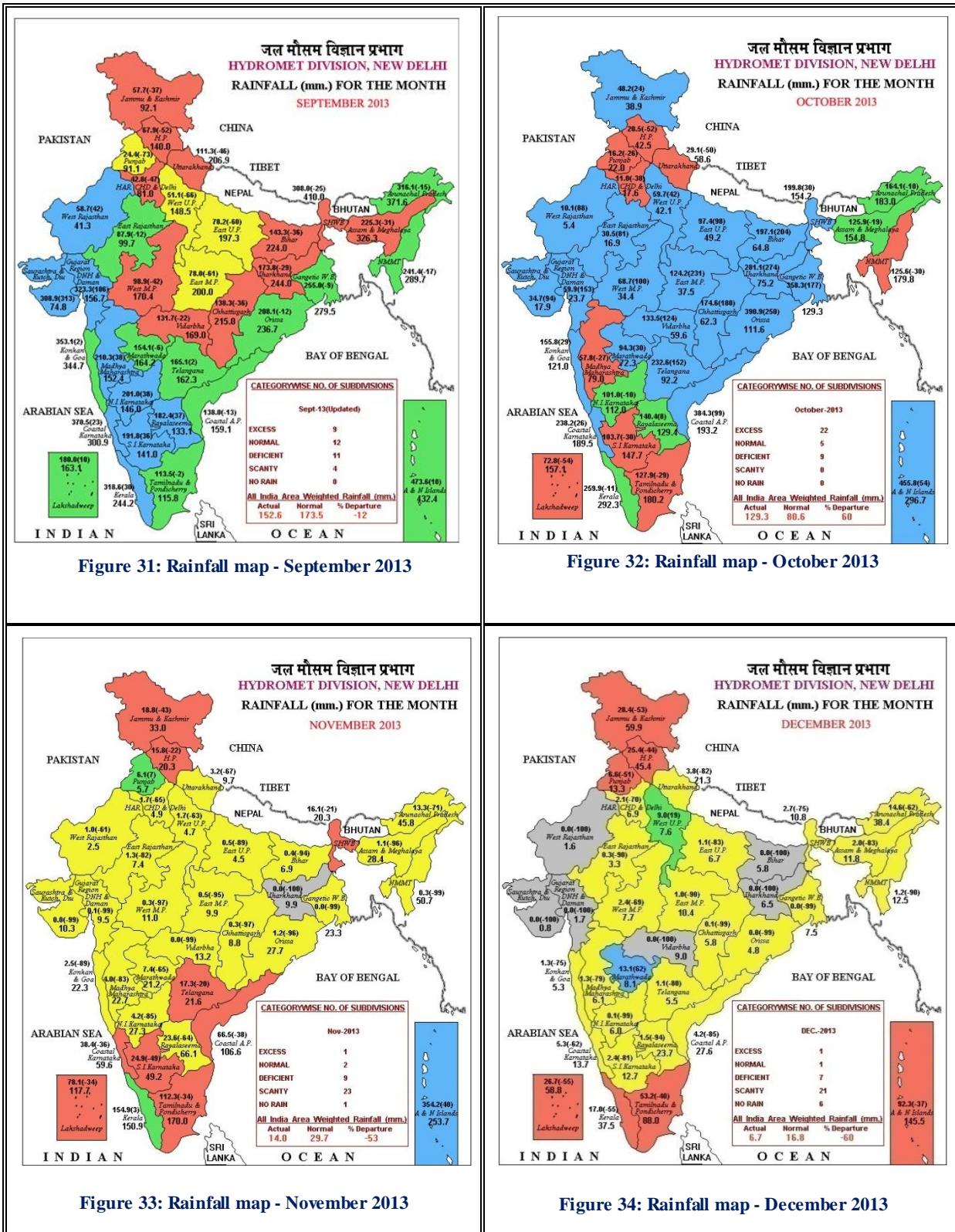


Figure 31: Rainfall map - September 2013

Figure 32: Rainfall map - October 2013

Figure 33: Rainfall map - November 2013

Figure 34: Rainfall map - December 2013

SUBDIVISION-WISE DAILY RAINFALL DISTRIBUTION

Daily observed rainfall distributions for each of the 36 subdivisions along with their daily rainfall normals, region-wise, have been depicted in Figure 35 through Figure 70.

REGION: NORTH WEST INDIA

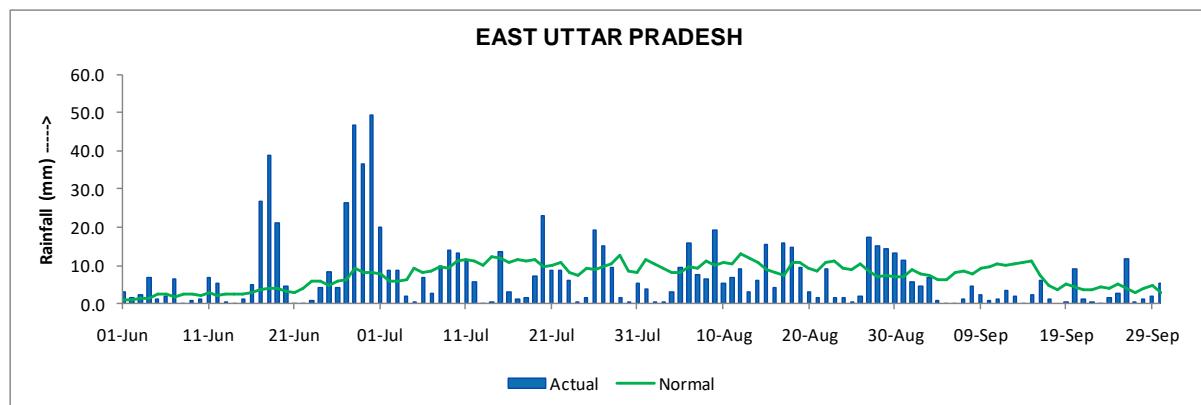


Figure 35: East Uttar Pradesh - Rainfall Distribution - SW Monsoon 2013

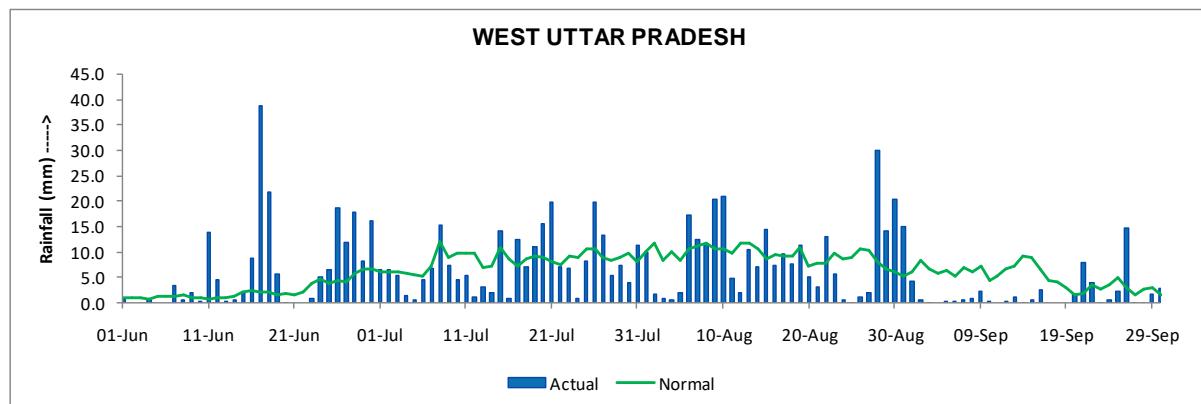


Figure 36: West Uttar Pradesh - Rainfall Distribution - SW Monsoon 2013

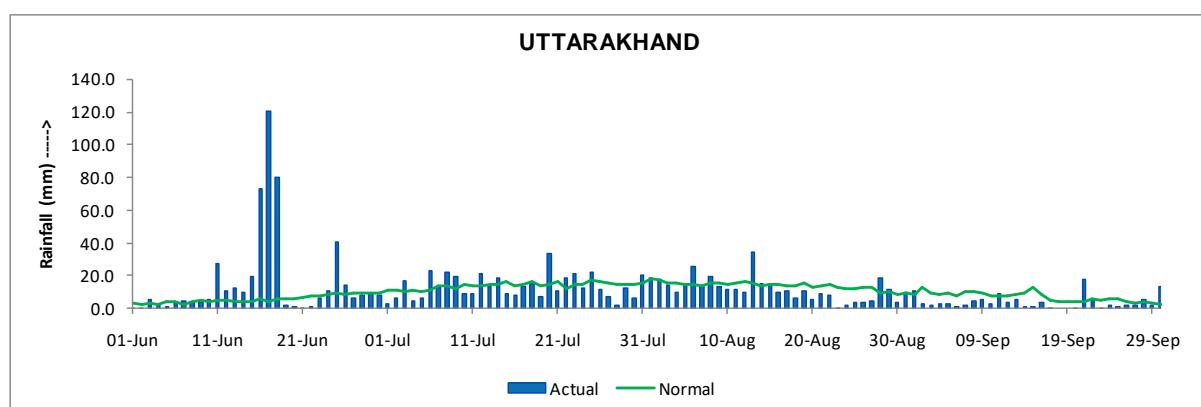


Figure 37: Uttarakhand - Rainfall Distribution - SW Monsoon 2013

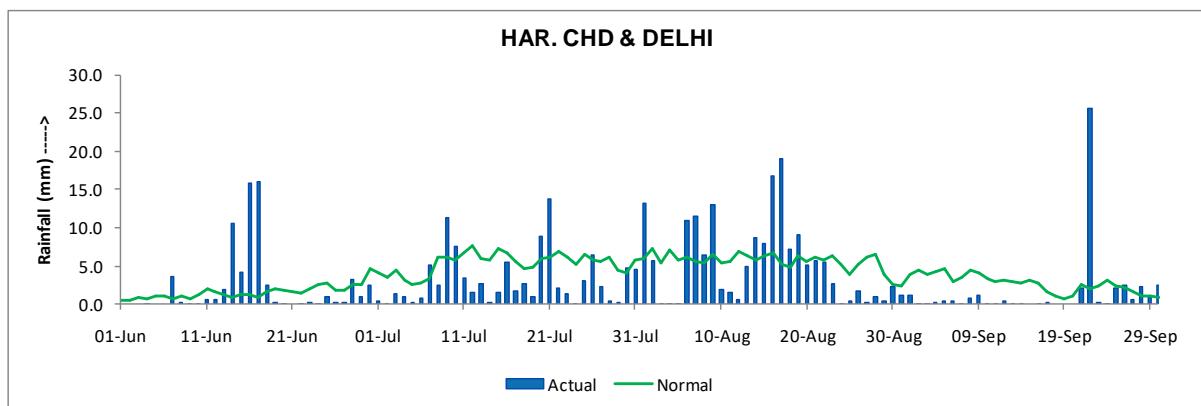


Figure 38: Haryana, Chandigarh & Delhi- Rainfall Distribution - SW Monsoon 2013

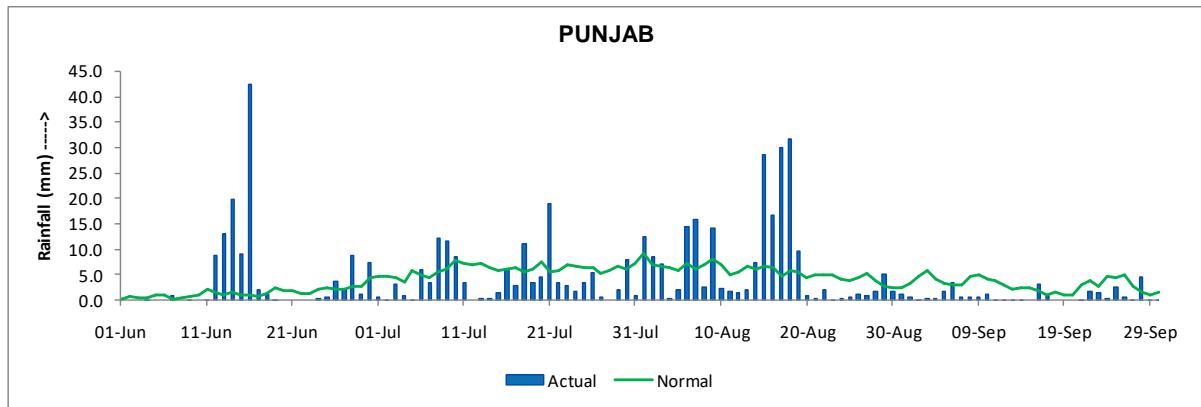


Figure 39: Punjab - Rainfall Distribution - SW Monsoon 2013

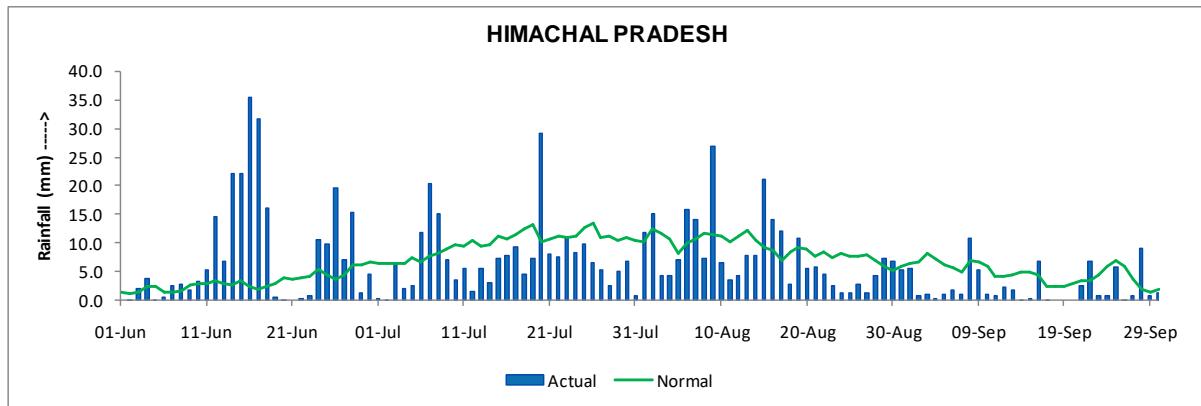


Figure 40: Himachal Pradesh - Rainfall Distribution - SW Monsoon 2013

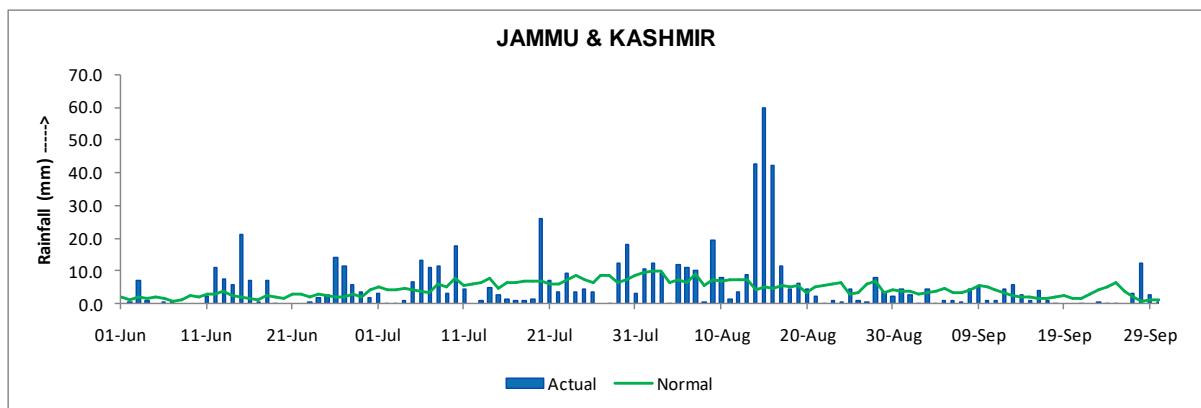


Figure 41: Jammu & Kashmir - Rainfall Distribution - SW Monsoon 2013

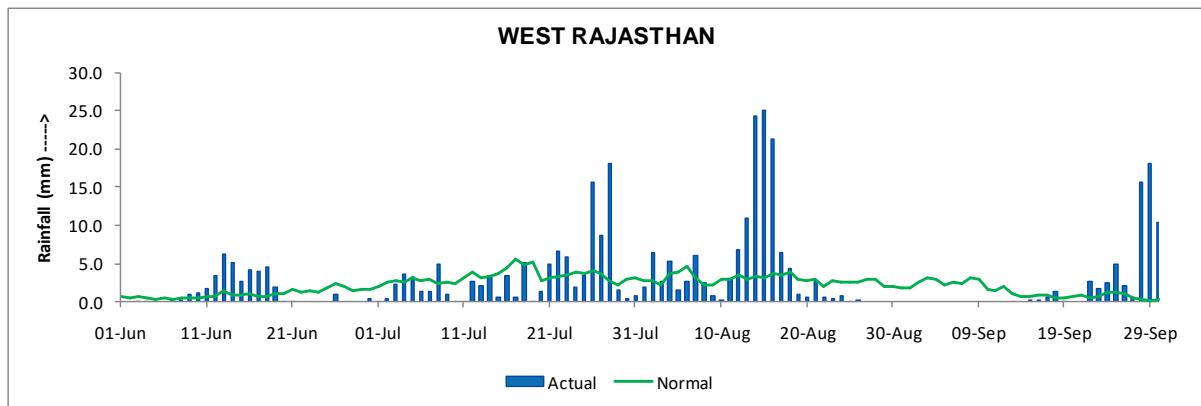


Figure 42: West Rajasthan - Rainfall Distribution - SW Monsoon 2013

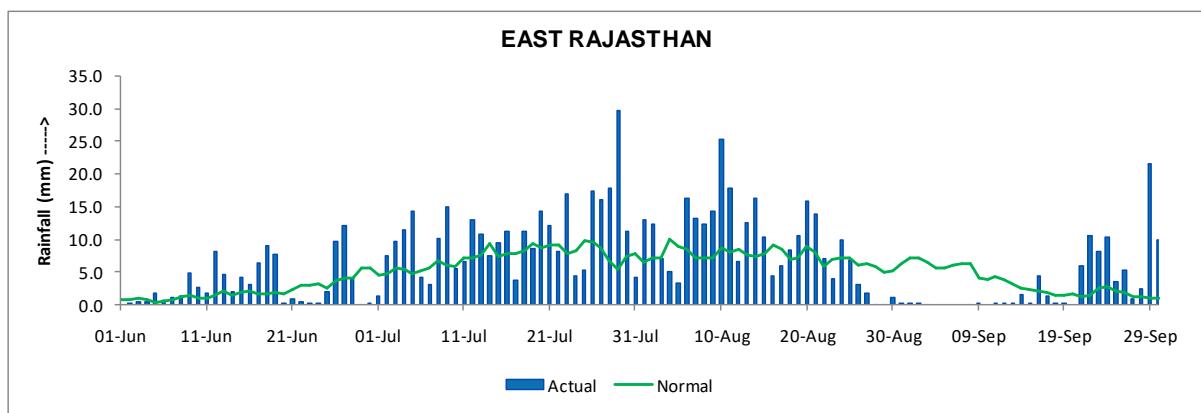


Figure 43: East Rajasthan - Rainfall Distribution - SW Monsoon 2013

REGION: CENTRAL INDIA

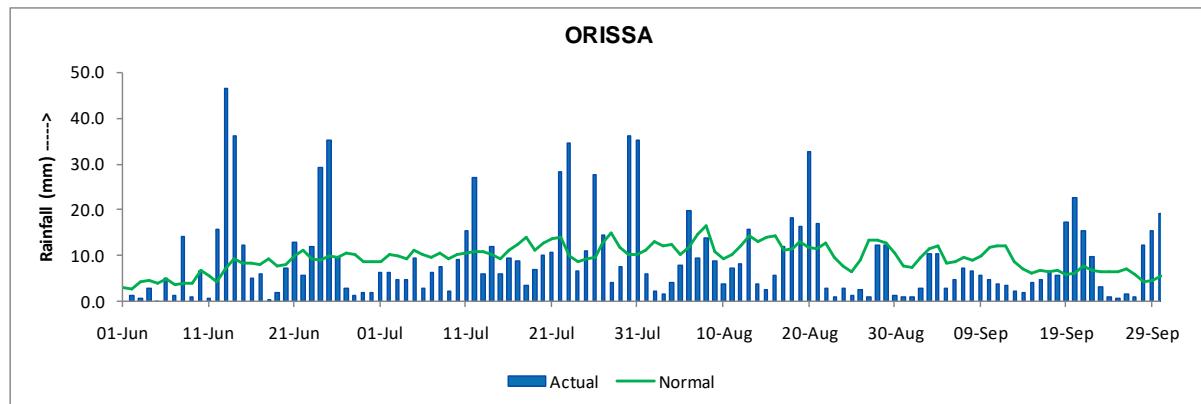


Figure 44: Orissa - Rainfall Distribution - SW Monsoon 2013

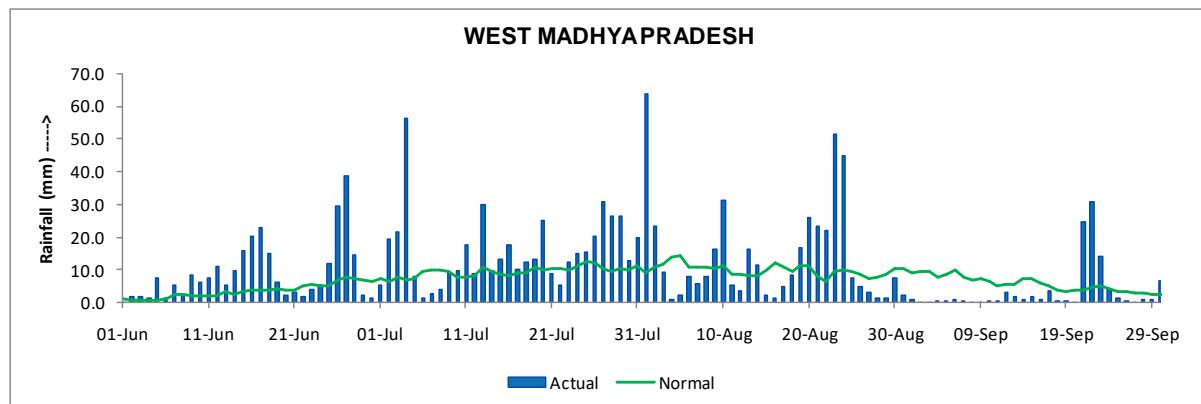


Figure 45: West Madhya Pradesh - Rainfall Distribution - SW Monsoon 2013

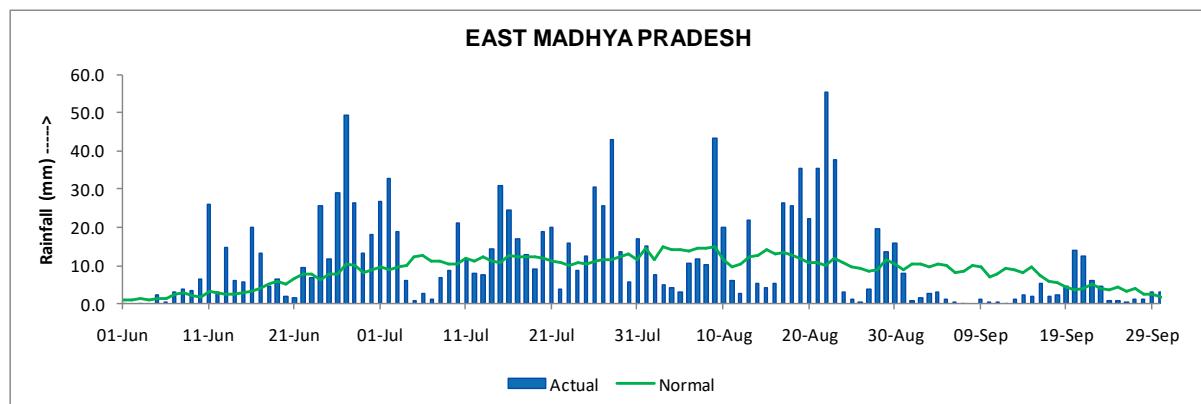


Figure 46: East Madhya Pradesh - Rainfall Distribution - SW Monsoon 2013

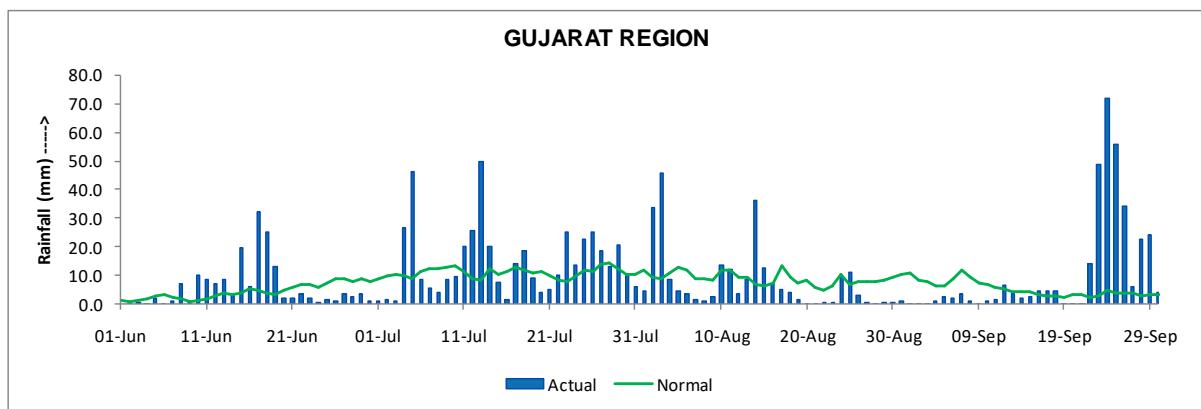


Figure 47: Gujarat Region - Rainfall Distribution - SW Monsoon 2013

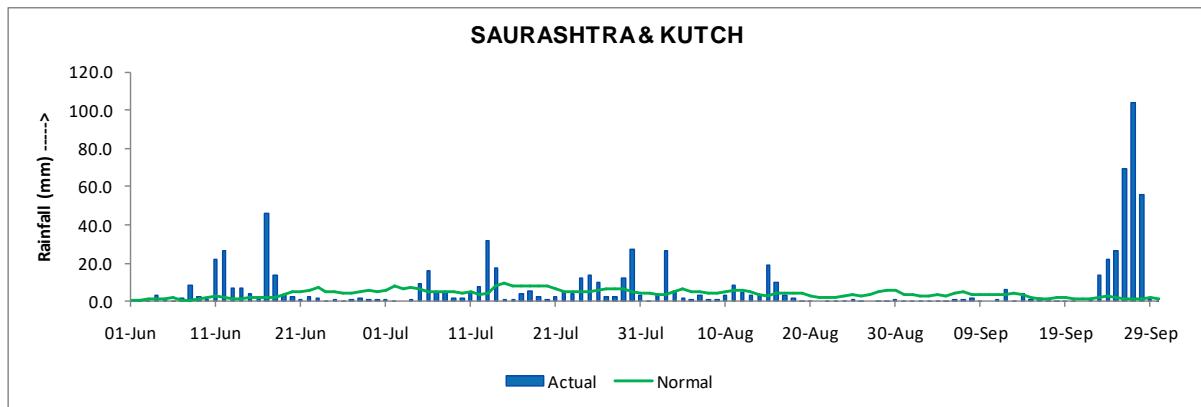


Figure 48: Saurashtra & Kutch - Rainfall Distribution - SW Monsoon 2013

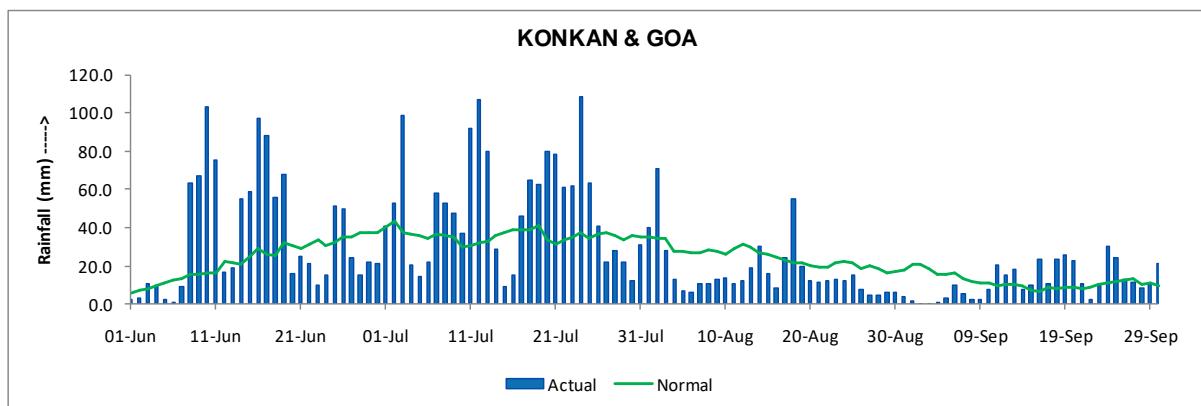


Figure 49: Konkan & Goa - Rainfall Distribution - SW Monsoon 2013

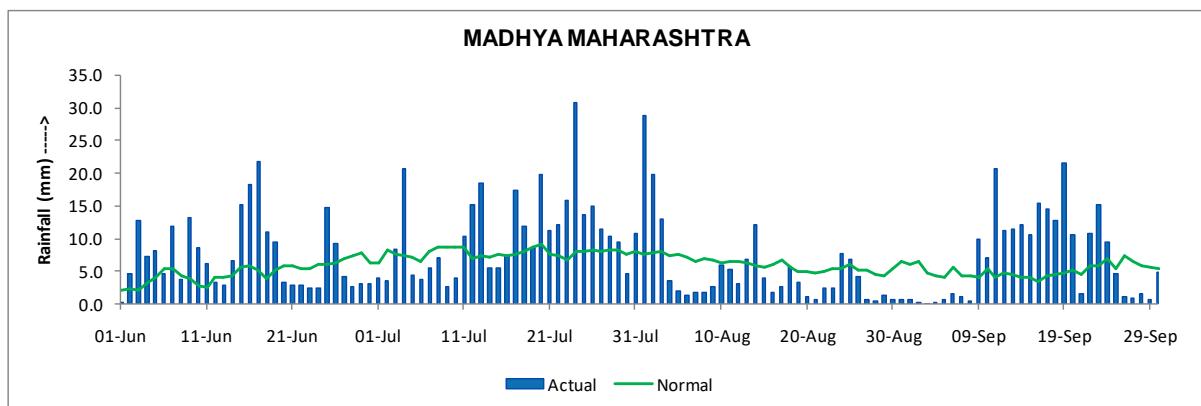


Figure 50: Madhya Maharashtra - Rainfall Distribution - SW Monsoon 2013

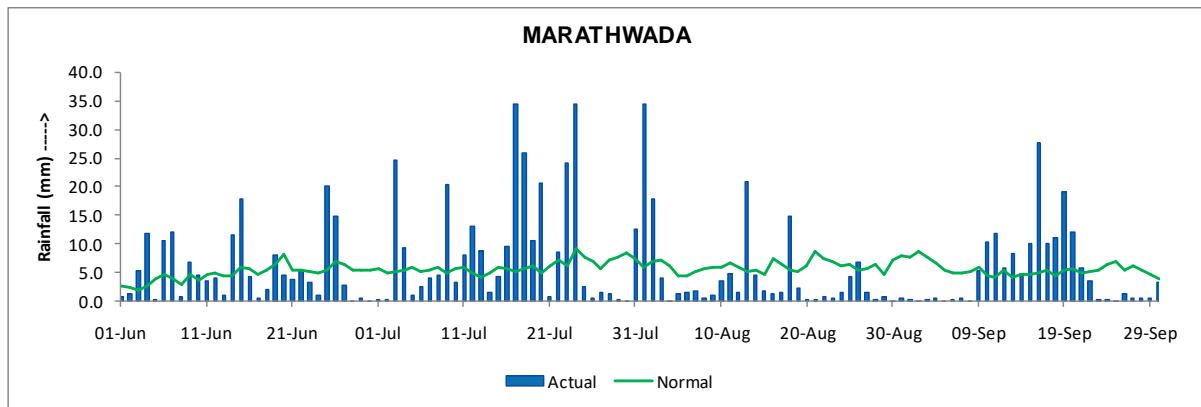


Figure 51: Marathwada - Rainfall Distribution - SW Monsoon 2013

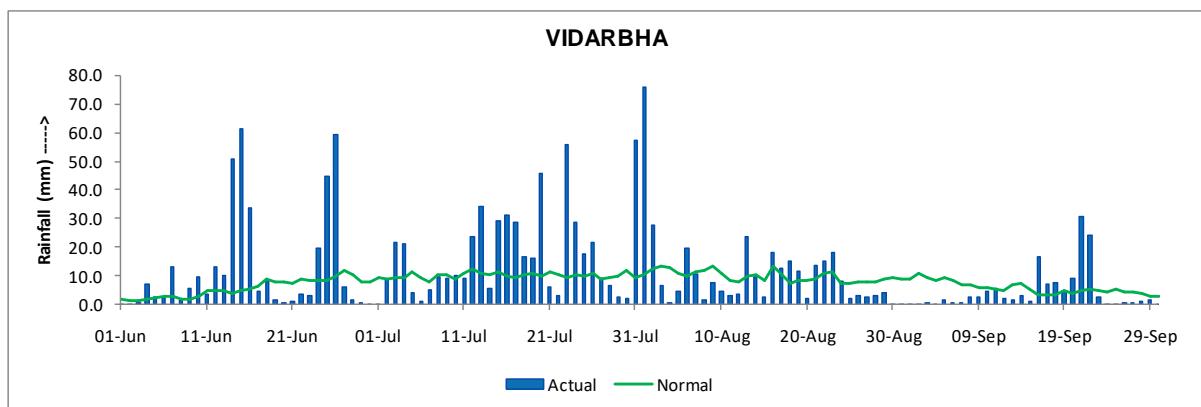


Figure 52: Vidarbha - Rainfall Distribution - SW Monsoon 2013

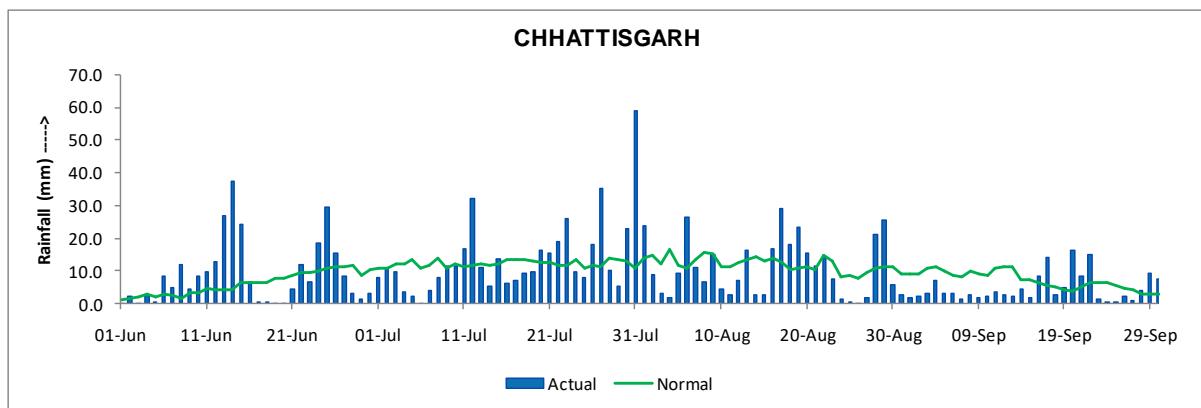


Figure 53: Chhattisgarh - Rainfall Distribution - SW Monsoon 2013

REGION: SOUTH PENINSULA

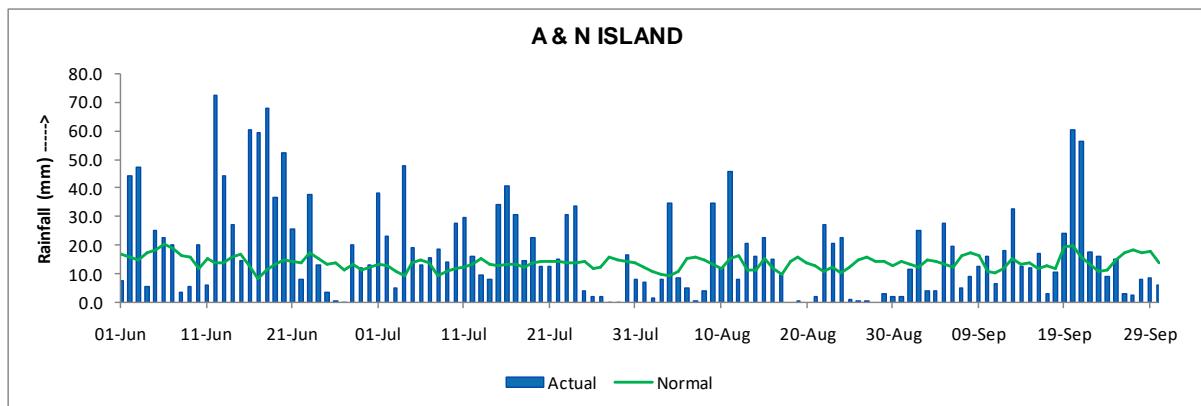


Figure 54: Andaman & Nicobar Islands - Rainfall Distribution - SW Monsoon 2013

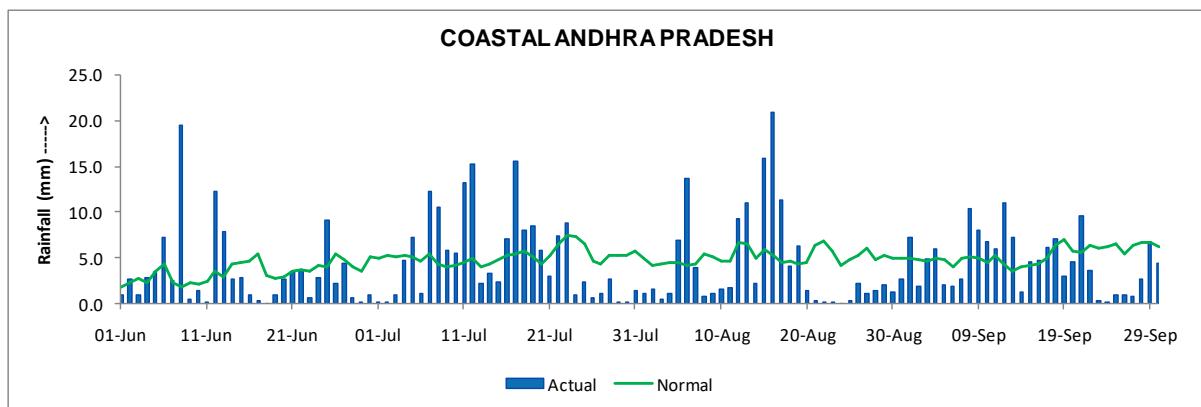


Figure 55: Coastal Andhra Pradesh - Rainfall Distribution - SW Monsoon 2013

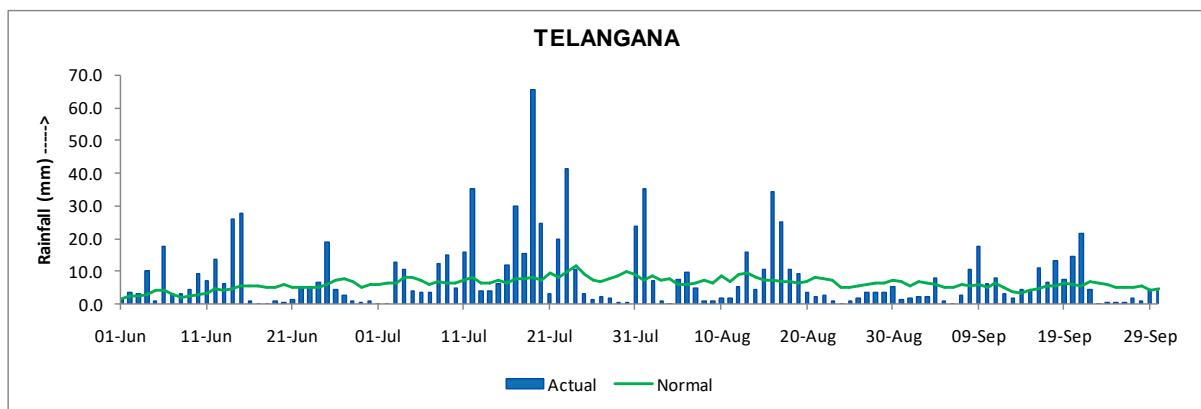


Figure 56: Telangana - Rainfall Distribution - SW Monsoon 2013

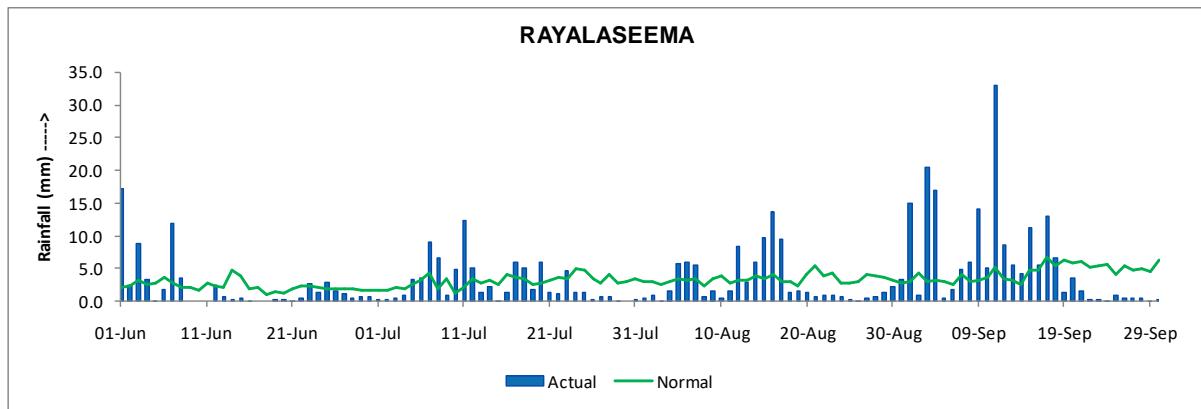


Figure 57: Rayalaseema - Rainfall Distribution - SW Monsoon 2013

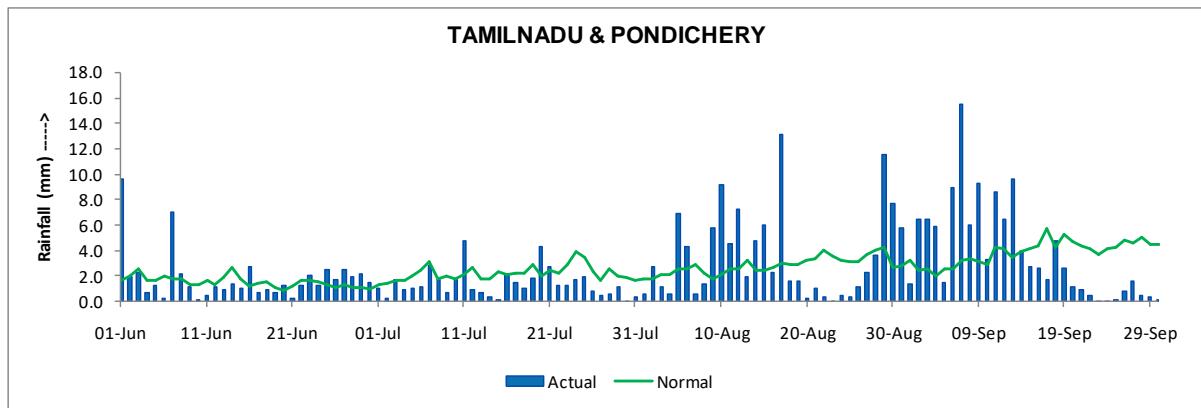


Figure 58: Tamilnadu & Pondicherry - Rainfall Distribution - SW Monsoon 2013

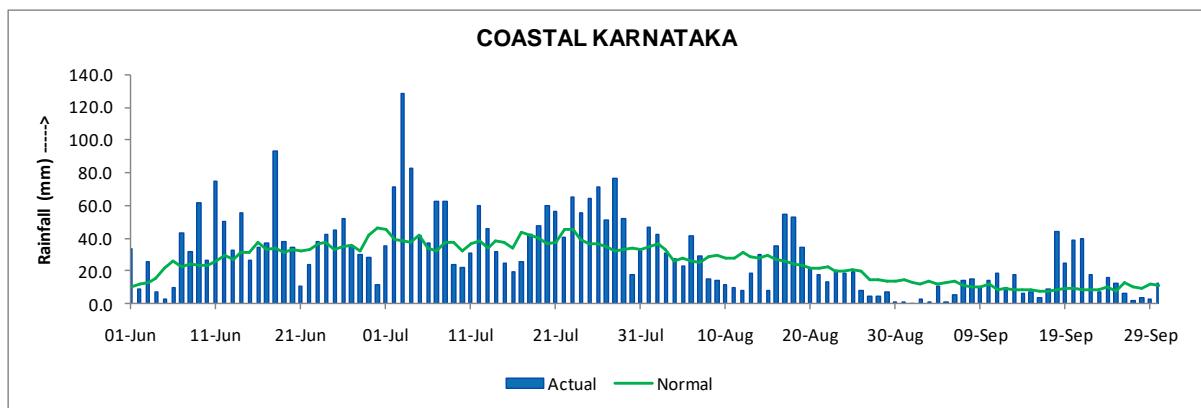


Figure 59: Coastal Karnataka - Rainfall Distribution - SW Monsoon 2013

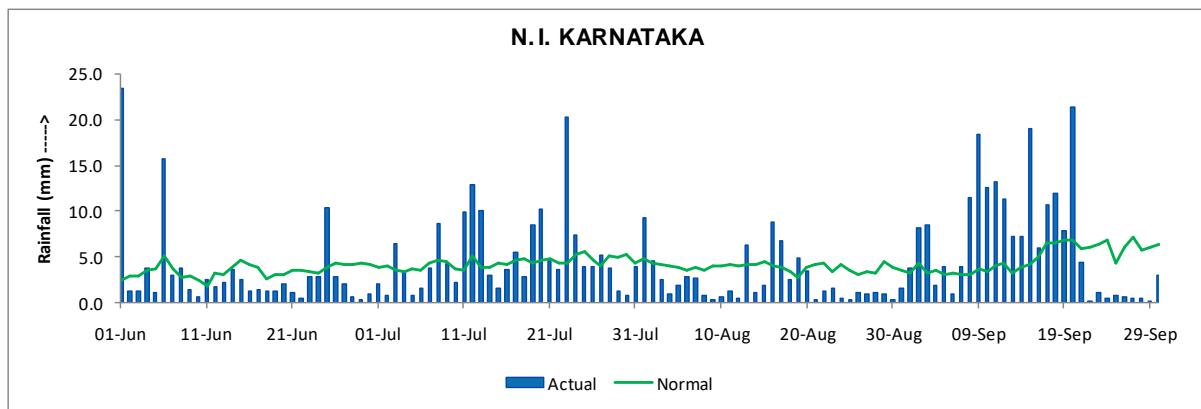


Figure 60: North Interior Karnataka - Rainfall Distribution - SW Monsoon 2013

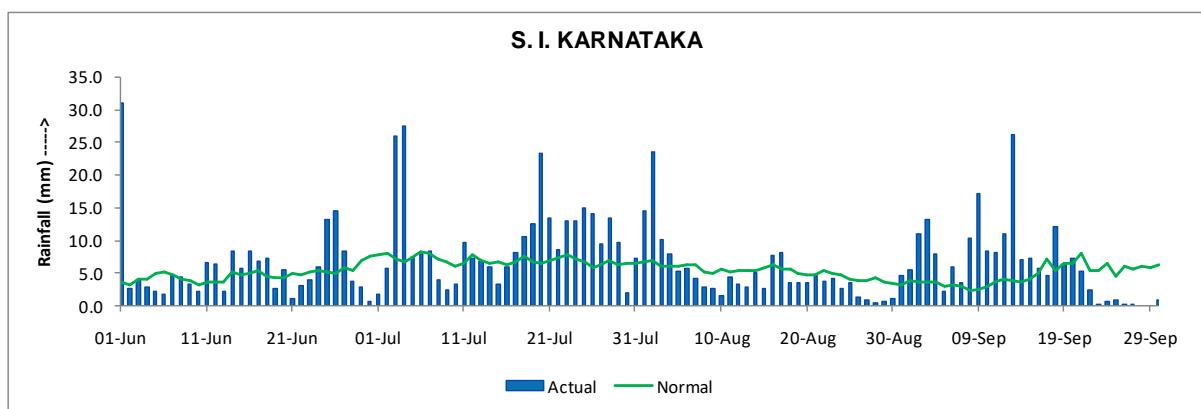


Figure 61: South Interior Karnataka - Rainfall Distribution - SW Monsoon 2013

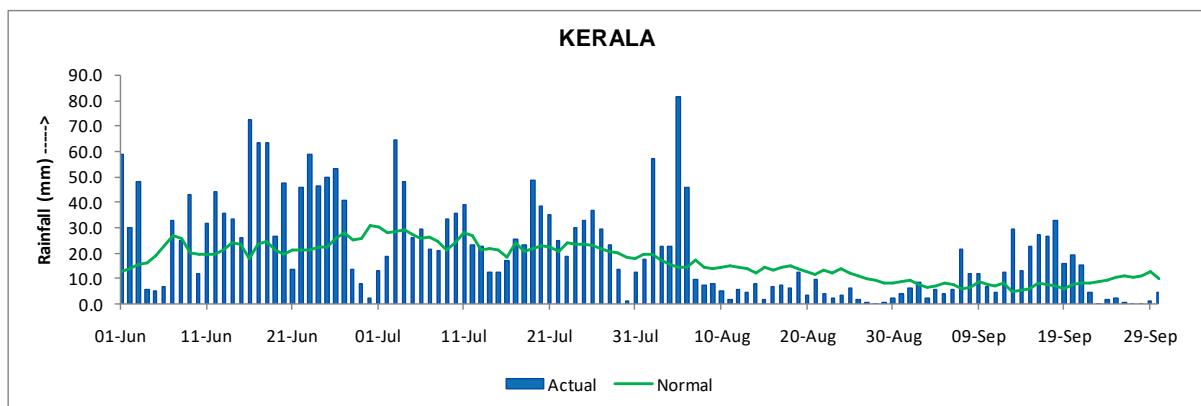


Figure 62: Kerala - Rainfall Distribution - SW Monsoon 2013

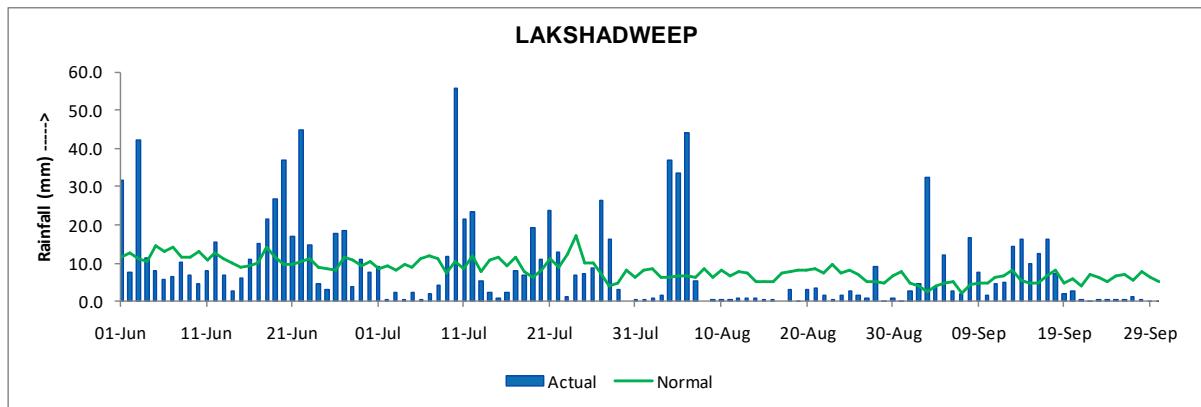


Figure 63: Lakshadweep - Rainfall Distribution - SW Monsoon 2013

REGION: EAST & NORTH EAST INDIA

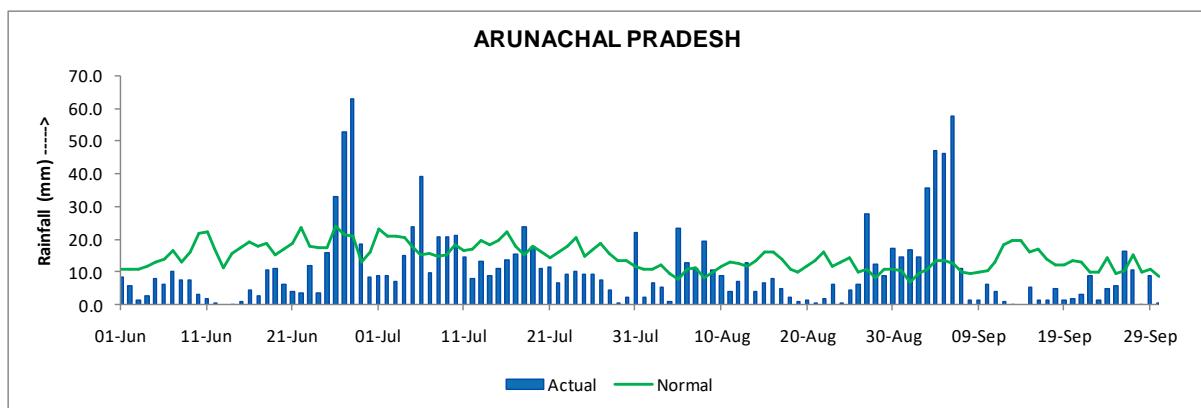


Figure 64: Arunachal Pradesh - Rainfall Distribution - SW Monsoon 2013

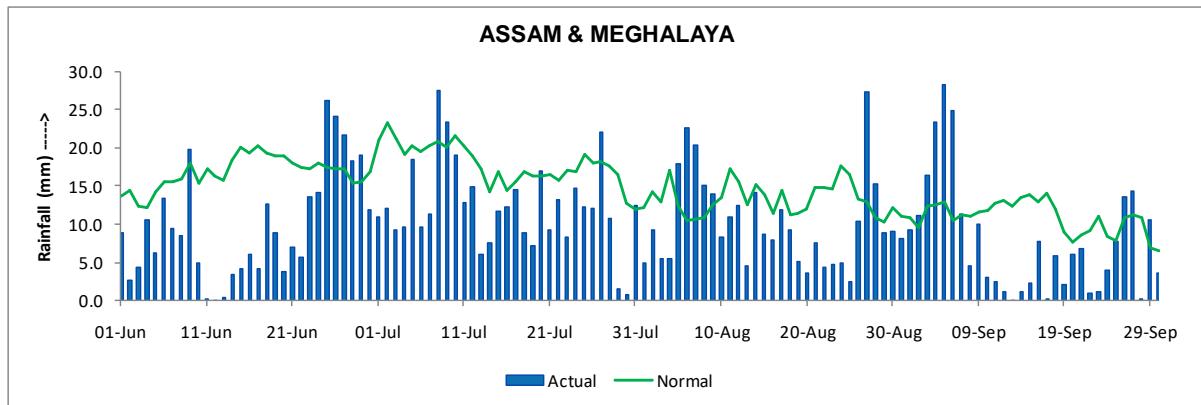


Figure 65: Assam & Meghalaya - Rainfall Distribution - SW Monsoon 2013

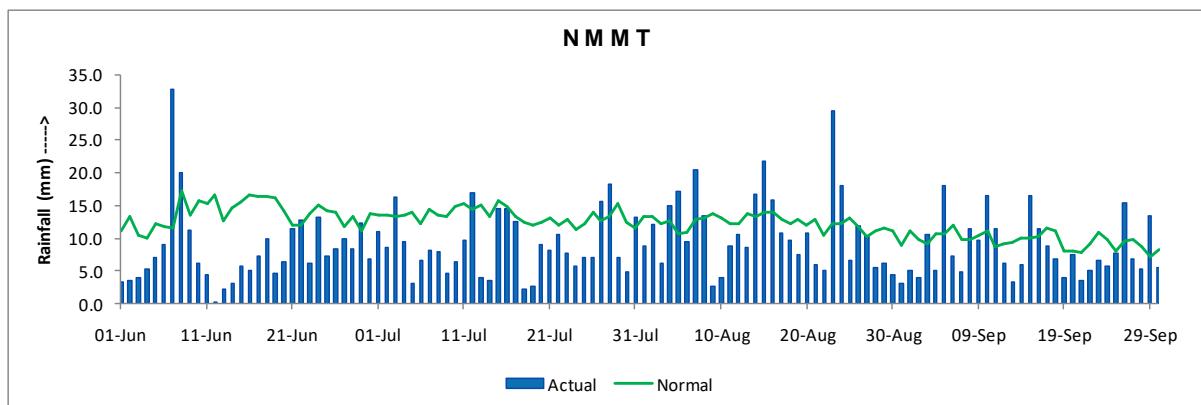


Figure 66: NMMT - Rainfall Distribution - SW Monsoon 2013

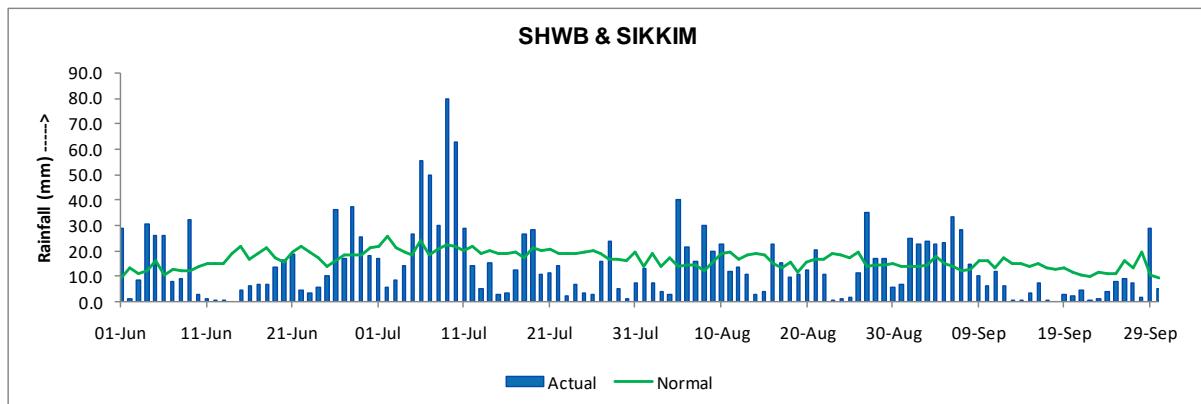


Figure 67: Sub Himalayan West Bengal & Sikkim - Rainfall Distribution - SW Monsoon 2013

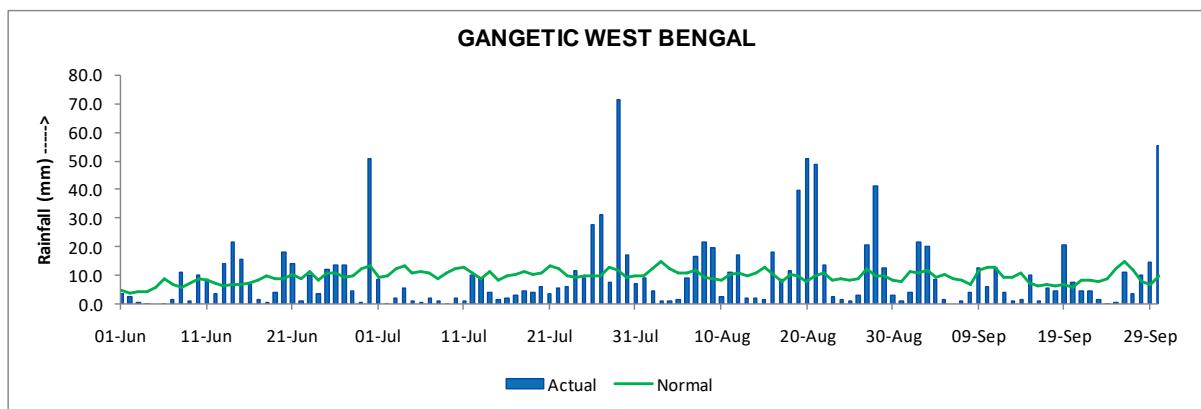


Figure 68: Gangetic West Bengal - Rainfall Distribution - SW Monsoon 2013

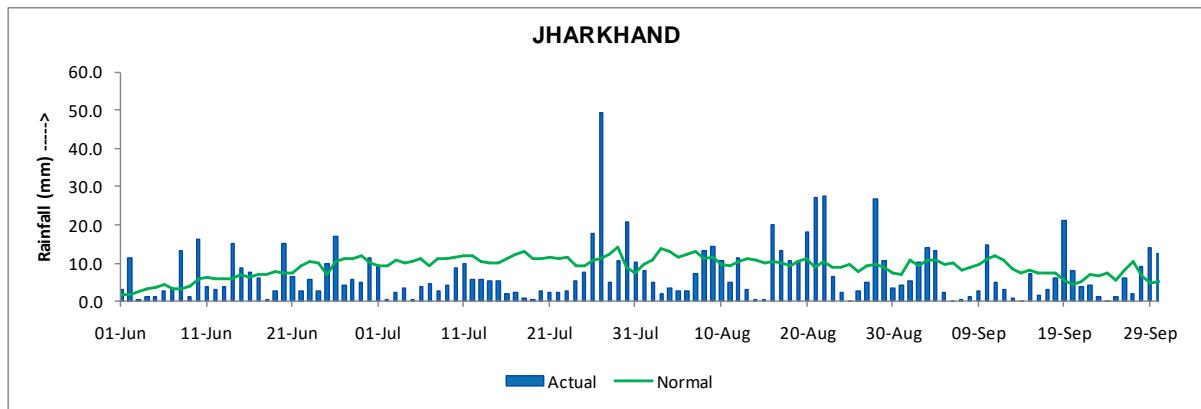


Figure 69: Jharkhand - Rainfall Distribution - SW Monsoon 2013

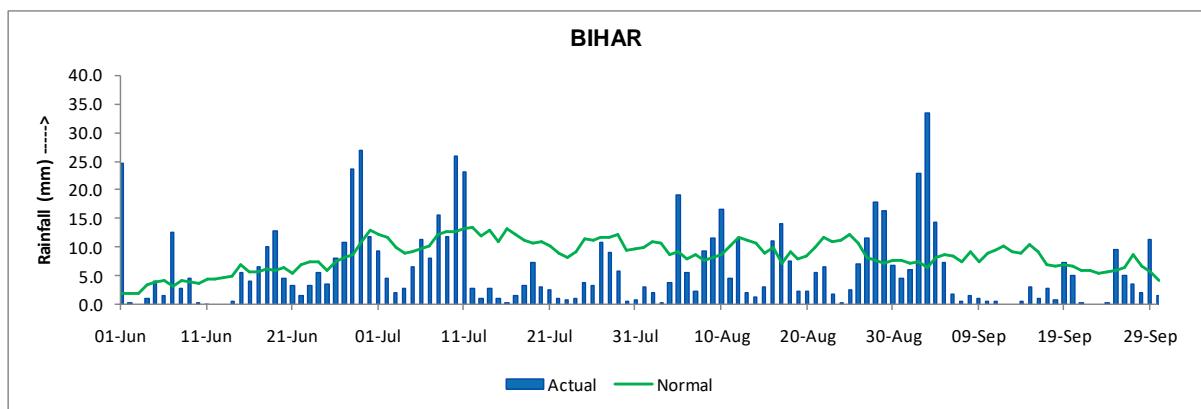


Figure 70: Bihar - Rainfall Distribution - SW Monsoon 2013

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 12** and **Table 13** respectively. It may be observed that during 2013, highest rainfall of 3757.8 mm was received at Andaman & Nicobar Islands and the lowest rainfall of 452.2 mm was received at Haryana. However, on comparing with Normal rainfall, it may be seen that, Gujarat received 145% of its normal where as Andaman & Nicobar Islands received 126% of its normal rainfall. Similarly, Meghalaya had 36% deficiency from its normal rainfall where as Haryana had only 18% deficiency from its normal rainfall.

Table 12: State-wise Seasonal and Annual Rainfall (mm) - Year 2013

| STATES | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------|--------|-------------|---------|--------------|--------|
| A & N ISLAND(UT) | 104.7 | 598.6 | 2152.1 | 902.4 | 3757.8 |
| ARUNACHAL PRADESH | 59.0 | 626.0 | 1165.9 | 192.0 | 2042.9 |
| ASSAM | 10.1 | 497.4 | 1147.0 | 122.3 | 1797.7 |
| MEGHALAYA | 11.4 | 526.3 | 1281.8 | 161.8 | 2448.4 |
| NAGALAND | 10.5 | 367.9 | 832.1 | 117.3 | 1350.9 |
| MANIPUR | 4.9 | 172.1 | 768.0 | 99.0 | 1428.8 |
| MIZORAM | 4.1 | 447.7 | 1171.4 | 145.6 | 1848.8 |
| TRIPURA | 5.3 | 801.0 | 1083.6 | 153.5 | 2043.5 |
| SIKKIM | 59.5 | 807.7 | 1434.1 | 266.3 | 2567.6 |
| WEST BENGAL | 13.6 | 280.3 | 1325.8 | 320.1 | 1939.9 |
| ORISSA | 11.2 | 113.4 | 1115.6 | 392.2 | 1632.4 |
| JHARKHAND | 19.0 | 109.0 | 844.5 | 281.1 | 1253.6 |
| BIHAR | 27.7 | 122.4 | 722.2 | 197.5 | 1069.9 |
| UTTAR PRADESH | 75.3 | 10.5 | 822.6 | 87.9 | 995.2 |
| UTTARAKHAND | 261.3 | 65.0 | 1373.0 | 36.2 | 1735.4 |
| HARYANA | 71.8 | 9.9 | 356.8 | 13.7 | 452.2 |
| CHANDIGARH(UT) | 126.9 | 39.0 | 792.8 | 47.4 | 1006.1 |
| DELHI | 112.1 | 12.3 | 537.0 | 45.3 | 706.8 |
| PUNJAB | 59.4 | 18.6 | 479.7 | 28.9 | 586.6 |
| HIMACHAL PRADESH | 249.8 | 131.3 | 774.2 | 61.6 | 1216.9 |
| JAMMU & KASHMIR | 257.1 | 189.4 | 651.9 | 95.4 | 1193.8 |
| RAJASTHAN | 27.2 | 7.0 | 532.0 | 20.4 | 586.6 |
| MADHYA PRADESH | 38.3 | 17.0 | 1300.8 | 95.2 | 1451.4 |
| GUJARAT | 1.6 | 8.0 | 951.2 | 45.7 | 1006.5 |
| DNH & DAMAN(UTs) | | | 2794.8 | | |
| DIU(UT) | 0.0 | 0.0 | 812.4 | 99.4 | 911.8 |
| GOA | 12.7 | 79.4 | 3359.5 | 191.0 | 3642.6 |
| MAHARASHTRA | 10.8 | 11.9 | 1265.7 | 106.0 | 1409.8 |
| CHHATISGARH | 22.3 | 56.0 | 1165.1 | 175.0 | 1418.3 |
| ANDHRA PRADESH | 33.0 | 54.0 | 676.3 | 299.0 | 1062.3 |
| TAMILNADU | 34.8 | 92.5 | 320.9 | 292.6 | 740.9 |
| PONDICHERRY(UT) | 10.3 | 15.8 | 557.0 | 500.0 | 1083.2 |
| KARNATAKA | 10.1 | 112.7 | 977.9 | 135.0 | 1235.6 |
| KERALA | 43.9 | 218.5 | 2561.2 | 431.8 | 3255.4 |
| LAKSHADWEEP(UT) | 60.6 | 131.1 | 1057.0 | 177.6 | 1426.3 |

It may be observed ([Table 13](#)) that, state of Meghalaya, Manipur and Mizoram were Scanty/Deficient for all the seasons as well as annually. On the contrary, A & N Islands and Gujarat recorded excess rainfall for all the seasons and also annually.

Table 13: % Departures of State-wise Seasonal and Annual Rainfall - Year 2013

| STATES | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------|--------|-------------|---------|--------------|--------|
| A & N ISLAND(UT) | 26% | 29% | 28% | 30% | 28% |
| ARUNACHAL PRADESH | -60% | -17% | -34% | -28% | -30% |
| ASSAM | -79% | -11% | -25% | -28% | -22% |
| MEGHALAYA | -72% | -27% | -54% | -45% | -36% |
| NAGALAND | -78% | -11% | -37% | -30% | -31% |
| MANIPUR | -89% | -52% | -45% | -57% | -30% |
| MIZORAM | -90% | -21% | -31% | -54% | -30% |
| TRIPURA | -88% | 13% | -27% | -34% | -17% |
| SIKKIM | -59% | 11% | -20% | -11% | -14% |
| WEST BENGAL | -60% | 31% | -5% | 104% | 8% |
| ORISSA | -65% | -16% | -3% | 172% | 12% |
| JHARKHAND | -43% | 37% | -23% | 207% | -3% |
| BIHAR | 20% | 58% | -30% | 155% | -11% |
| UTTAR PRADESH | 144% | -66% | -3% | 52% | 3% |
| UTTARAKHAND | 146% | -58% | 12% | -60% | 10% |
| HARYANA | 122% | -71% | -22% | -53% | -18% |
| CHANDIGARH(UT) | 53% | -50% | -6% | -27% | -6% |
| DELHI | 243% | -72% | -16% | 31% | -5% |
| PUNJAB | 20% | -65% | -2% | -30% | -8% |
| HIMACHAL PRADESH | 28% | -46% | -6% | -43% | -11% |
| JAMMU & KASHMIR | 21% | -42% | 22% | -28% | -1% |
| RAJASTHAN | 199% | -61% | 27% | 15% | 26% |
| MADHYA PRADESH | 64% | -5% | 37% | 74% | 38% |
| GUJARAT | 82% | 67% | 45% | 45% | 45% |
| DNH & DAMAN(UTs) | | | 21% | | |
| DIU(UT) | -100% | -100% | 26% | 108% | 31% |
| GOA | 2012% | -17% | 13% | -5% | 12% |
| MAHARASHTRA | 32% | -64% | 26% | 4% | 22% |
| CHHATISGARH | 5% | 24% | 2% | 128% | 10% |
| ANDHRA PRADESH | 150% | -29% | 11% | 40% | 16% |
| TAMILNADU | 13% | -28% | 1% | -33% | -19% |
| PONDICHERRY(UT) | -82% | -77% | 57% | -45% | -22% |
| KARNATAKA | 165% | -8% | 18% | -28% | 8% |
| KERALA | 81% | -42% | 26% | -10% | 11% |
| LAKSHADWEEP(UT) | 71% | -44% | 6% | -47% | -11% |

Annual rainfall statistics for the year 2013 show that, 21 states remained in Normal, 7 in deficient and 6 remained in Excess category of rainfall. The categorywise statistics and chart of number of states for different seasons have been given at [Table 14](#) and [Figure 71](#) respectively.

Table 14: Category-wise Number of States - Seasonally and Annually - Year 2013

| CATEGORY | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------|--------|-------------|---------|--------------|--------|
| EXCESS | 19 | 6 | 10 | 12 | 6 |
| NORMAL | 2 | 9 | 14 | 5 | 21 |
| DEFICIENT | 2 | 11 | 11 | 16 | 7 |
| SCANTY | 10 | 7 | 0 | 1 | 0 |
| NO RAIN | 1 | 1 | 0 | 0 | 0 |
| NO DATA | 1 | 1 | 0 | 1 | 1 |

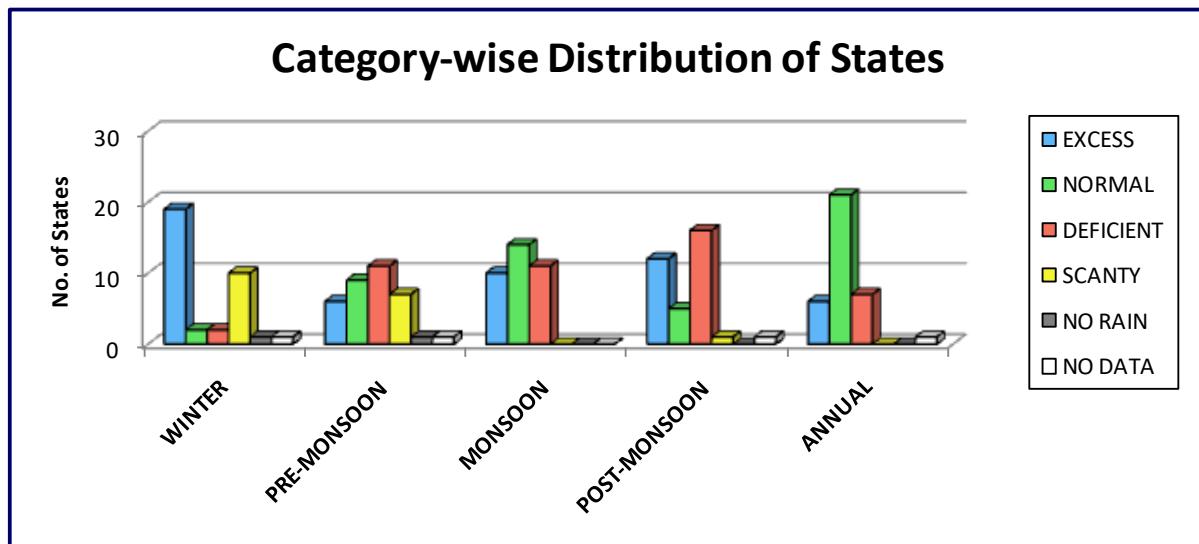


Figure 71: Category-wise distribution of States – Seasonally and Annually

Distribution of states of India in terms of their areas under different categories in the four seasons and annual has been depicted in Figure 72 through Figure 76.

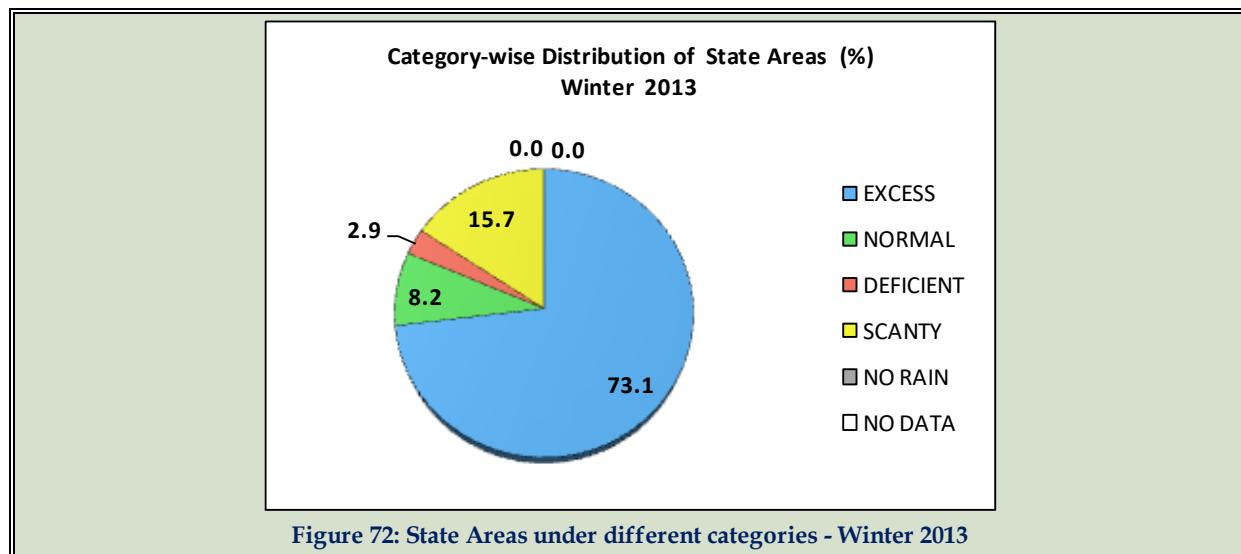


Figure 72: State Areas under different categories - Winter 2013

**Category-wise Distribution of State Areas (%)
Pre-Monsoon 2013**

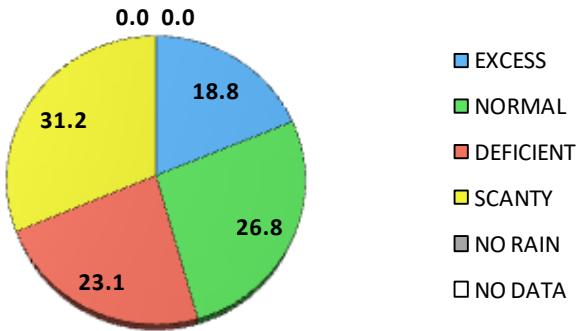


Figure 73: State Areas under different categories - Pre Monsoon 2013

**Category-wise Distribution of State Areas (%)
Monsoon 2013**

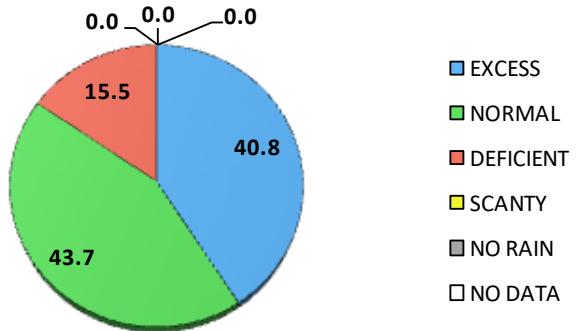


Figure 74: State Areas under different categories - Monsoon 2013

**Category-wise Distribution of State Areas (%)
Post-Monsoon 2013**

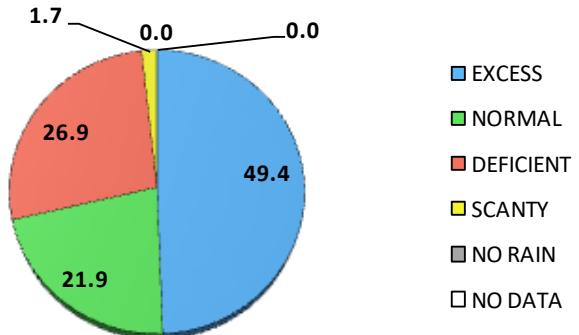
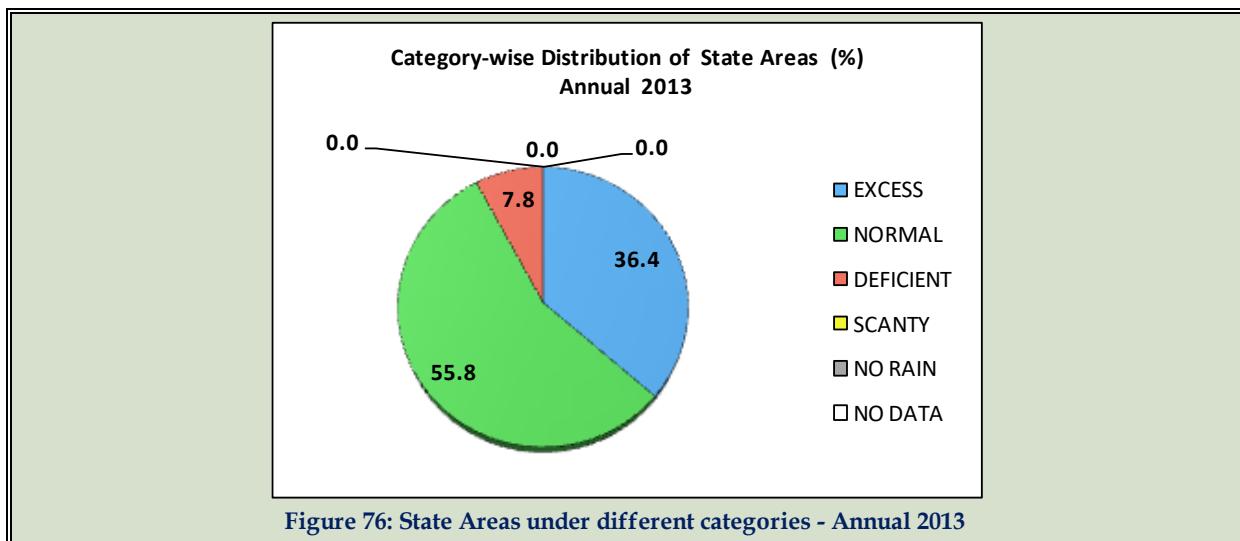


Figure 75: State Areas under different categories - Post Monsoon 2013



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 15](#) and [Table 16](#).

Table 15: State-wise Monthly Rainfall (mm) - Year 2013

| STATES | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| A & N ISLAND(UT) | 67.1 | 37.6 | 43.0 | 46.3 | 509.3 | 777.0 | 564.8 | 336.7 | 473.6 | 455.8 | 354.2 | 92.3 |
| ARUNACHAL PRADESH | 18.5 | 40.5 | 115.1 | 175.1 | 335.8 | 290.0 | 329.6 | 230.2 | 316.1 | 164.1 | 13.3 | 14.6 |
| ASSAM | 1.3 | 9.0 | 51.5 | 113.5 | 332.5 | 257.6 | 373.9 | 284.0 | 224.0 | 119.1 | 0.9 | 2.3 |
| MEGHALAYA | 0.0 | 11.4 | 18.4 | 107.1 | 400.8 | 397.6 | 336.0 | 317.8 | 230.6 | 158.6 | 1.7 | 0.8 |
| NAGALAND | 0.6 | 9.9 | 48.9 | 76.6 | 235.0 | 189.8 | 282.4 | 236.9 | 162.8 | 115.6 | 0.3 | 1.4 |
| MANIPUR | 0.0 | 4.9 | 22.8 | 26.4 | 126.6 | 161.7 | 198.0 | 277.4 | 144.4 | 96.3 | 0.0 | 0.2 |
| MIZORAM | 0.0 | 4.1 | 4.0 | 59.6 | 384.1 | 214.9 | 290.7 | 295.2 | 357.5 | 144.8 | 0.8 | 0.0 |
| TRIPURA | 0.3 | 5.1 | 7.9 | 86.5 | 706.7 | 250.6 | 239.0 | 351.8 | 242.3 | 148.7 | 0.0 | 4.8 |
| SIKKIM | 8.0 | 51.5 | 109.1 | 191.0 | 507.6 | 308.3 | 498.4 | 334.8 | 292.6 | 200.9 | 55.3 | 10.1 |
| WEST BENGAL | 2.2 | 11.5 | 6.7 | 58.6 | 215.0 | 294.3 | 352.6 | 409.6 | 269.3 | 319.2 | 0.8 | 0.1 |
| ORISSA | 3.3 | 7.8 | 2.1 | 53.6 | 57.7 | 272.6 | 380.0 | 254.9 | 208.1 | 390.9 | 1.2 | 0.0 |
| JHARKHAND | 1.1 | 17.9 | 1.6 | 22.3 | 85.0 | 181.5 | 211.1 | 278.1 | 173.8 | 281.1 | 0.0 | 0.0 |
| BIHAR | 5.1 | 22.6 | 0.6 | 32.3 | 89.5 | 183.3 | 182.0 | 213.6 | 143.3 | 197.1 | 0.4 | 0.0 |
| UTTAR PRADESH | 12.1 | 63.2 | 3.1 | 5.8 | 1.5 | 262.1 | 232.4 | 260.7 | 67.5 | 82.5 | 1.0 | 4.3 |
| UTTARAKHAND | 73.0 | 188.3 | 22.0 | 24.7 | 18.2 | 488.9 | 413.4 | 359.4 | 111.3 | 29.1 | 3.2 | 3.8 |
| HARYANA | 20.8 | 51.0 | 5.2 | 3.2 | 1.4 | 59.9 | 93.7 | 161.0 | 42.2 | 9.9 | 1.7 | 2.1 |
| CHANDIGARH(UT) | 41.1 | 85.8 | 23.3 | 0.9 | 14.8 | 251.5 | 182.7 | 276.1 | 82.5 | 27.2 | 9.5 | 10.7 |
| DELHI | 28.2 | 83.9 | 4.7 | 6.4 | 1.2 | 110.9 | 189.3 | 177.9 | 58.9 | 43.1 | 0.4 | 1.8 |
| PUNJAB | 9.3 | 50.1 | 11.6 | 3.4 | 3.6 | 120.3 | 117.9 | 217.1 | 24.4 | 16.2 | 6.1 | 6.6 |
| HIMACHAL PRADESH | 75.6 | 174.2 | 75.1 | 25.0 | 31.3 | 240.7 | 219.7 | 245.9 | 67.9 | 20.5 | 15.8 | 25.4 |
| JAMMU & KASHMIR | 71.6 | 185.4 | 58.6 | 66.5 | 64.3 | 112.7 | 175.3 | 306.2 | 57.7 | 48.2 | 18.8 | 28.4 |

| STATES | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|------------------|------|------|------|------|-------|--------|--------|-------|-------|-------|-------|-------|
| RAJASTHAN | 5.4 | 21.7 | 2.5 | 3.1 | 1.4 | 60.9 | 199.2 | 200.3 | 71.6 | 19.2 | 1.1 | 0.1 |
| MADHYA PRADESH | 1.9 | 36.5 | 11.0 | 5.7 | 0.3 | 284.9 | 472.4 | 453.8 | 89.7 | 93.1 | 0.4 | 1.8 |
| GUJARAT | 1.0 | 0.6 | 0.1 | 7.8 | 0.1 | 162.6 | 314.3 | 159.9 | 314.4 | 45.6 | 0.1 | 0.0 |
| DNH & DAMAN(UTs) | | | | 0.0 | 0.0 | 345.8 | 1252.9 | 558.2 | 637.9 | 99.5 | 0.0 | |
| DIU(UT) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 259.6 | 239.4 | 133.0 | 180.4 | 99.4 | 0.0 | 0.0 |
| GOA | 0.0 | 12.7 | 0.0 | 0.5 | 78.9 | 865.3 | 1590.0 | 520.9 | 383.3 | 183.8 | 7.2 | 0.0 |
| MAHARASHTRA | 2.6 | 8.4 | 2.0 | 4.7 | 5.2 | 338.3 | 501.7 | 238.3 | 187.3 | 98.9 | 3.2 | 3.5 |
| CHHATISGARH | 2.9 | 19.4 | 4.8 | 45.5 | 5.7 | 265.6 | 425.4 | 335.8 | 138.3 | 174.6 | 0.3 | 0.1 |
| ANDHRA PRADESH | 2.2 | 30.8 | 3.4 | 28.8 | 21.9 | 127.6 | 234.8 | 153.6 | 160.2 | 261.3 | 35.4 | 2.3 |
| TAMILNADU | 3.9 | 30.9 | 30.0 | 20.4 | 42.1 | 54.5 | 42.7 | 110.1 | 113.5 | 128.1 | 111.9 | 52.7 |
| PONDICHERRY(UT) | 3.6 | 6.7 | 14.0 | 0.7 | 1.1 | 83.7 | 40.8 | 297.1 | 135.3 | 81.8 | 233.4 | 184.8 |
| KARNATAKA | 1.1 | 9.0 | 7.9 | 29.6 | 75.2 | 229.0 | 366.2 | 169.7 | 213.0 | 115.7 | 17.6 | 1.7 |
| KERALA | 3.9 | 40.1 | 49.9 | 49.3 | 119.3 | 1042.7 | 830.2 | 369.7 | 318.6 | 259.9 | 154.9 | 17.0 |
| LAKSHADWEEP(UT) | 26.2 | 34.4 | 37.5 | 5.3 | 88.3 | 426.2 | 296.4 | 154.4 | 180.0 | 72.8 | 78.1 | 26.7 |

Table 16: % Departures of State-wise monthly rainfall - Year 2013

| STATES | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|
| A & N ISLAND(UT) | 25% | 29% | 72% | -43% | 42% | 77% | 39% | -17% | 10% | 54% | 40% | -37% |
| ARUNACHAL PRADESH | -63% | -59% | -36% | -37% | 15% | -42% | -39% | -36% | -15% | -10% | -71% | -62% |
| ASSAM | -92% | -72% | -34% | -34% | 9% | -40% | -18% | -20% | -22% | -10% | -96% | -81% |
| MEGHALAYA | -99% | -52% | -76% | -49% | -7% | -49% | -64% | -48% | -52% | -33% | -96% | -93% |
| NAGALAND | -97% | -66% | -22% | -44% | 9% | -45% | -30% | -33% | -29% | -4% | -99% | -86% |
| MANIPUR | -100% | -85% | -60% | -78% | -30% | -62% | -48% | -19% | -45% | -43% | -100% | -98% |
| MIZORAM | -100% | -85% | -96% | -60% | 20% | -51% | -36% | -33% | -4% | -39% | -99% | -100% |
| TRIPURA | -97% | -85% | -92% | -61% | 80% | -46% | -42% | -1% | -7% | -16% | -100% | -57% |
| SIKKIM | -85% | -42% | -34% | -14% | 49% | -38% | 1% | -22% | -23% | -16% | 47% | -53% |
| WEST BENGAL | -85% | -41% | -77% | 9% | 63% | -3% | -14% | 13% | -14% | 149% | -96% | -99% |
| ORISSA | -69% | -63% | -92% | 43% | -18% | 27% | 13% | -30% | -12% | 250% | -96% | -99% |
| JHARKHAND | -93% | 3% | -91% | 21% | 94% | -8% | -37% | -12% | -29% | 274% | -100% | -100% |
| BIHAR | -61% | 133% | -94% | 98% | 75% | 9% | -47% | -27% | -36% | 204% | -94% | -100% |
| UTTAR PRADESH | -31% | 368% | -68% | 10% | -90% | 182% | -18% | -11% | -62% | 78% | -78% | -39% |
| UTTARAKHAND | 40% | 248% | -62% | -26% | -72% | 191% | -3% | -16% | -46% | -50% | -67% | -82% |
| HARYANA | 18% | 245% | -58% | -56% | -90% | 33% | -43% | -6% | -47% | -43% | -64% | -69% |
| CHANDIGARH(UT) | -7% | 121% | -30% | -94% | -51% | 110% | -35% | -4% | -47% | -14% | -4% | -54% |
| DELHI | 72% | 415% | -69% | -28% | -94% | 85% | -14% | -28% | -47% | 110% | -93% | -79% |
| PUNJAB | -63% | 106% | -54% | -73% | -77% | 171% | -37% | 27% | -73% | -26% | 7% | -51% |
| HIMACHAL PRADESH | -23% | 78% | -34% | -62% | -52% | 152% | -28% | -13% | -52% | -52% | -22% | -44% |
| JAMMU & KASHMIR | -25% | 58% | -61% | -32% | -16% | 76% | -9% | 65% | -37% | 24% | -43% | -53% |
| RAJASTHAN | 21% | 373% | -30% | -13% | -87% | 37% | 27% | 33% | 7% | 79% | -77% | -93% |
| MADHYA PRADESH | -86% | 280% | 39% | 74% | -95% | 142% | 49% | 35% | -51% | 163% | -96% | -80% |
| GUJARAT | 75% | 97% | -93% | 7747% | -98% | 55% | 25% | -16% | 186% | 125% | -99% | -100% |
| DNH & DAMAN(UTs) | | | | -100% | -100% | -10% | 42% | -15% | 63% | 158% | -100% | |
| DIU(UT) | -100% | -100% | -100% | -100% | -100% | 55% | -15% | 0% | 183% | 206% | -100% | -100% |
| GOA | -100% | 8952% | -100% | -94% | -10% | -4% | 44% | -23% | 37% | 18% | -79% | -100% |

| STATES | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------|------|------|------|------|------|-----|------|------|------|------|------|------|
| MAHARASHTRA | -47% | 148% | -66% | -36% | -74% | 65% | 48% | -16% | 4% | 31% | -84% | -55% |
| CHHATISGARH | -73% | 83% | -64% | 230% | -68% | 45% | 13% | -10% | -36% | 180% | -97% | -99% |
| ANDHRA PRADESH | -65% | 346% | -64% | 51% | -55% | 18% | 33% | -10% | 4% | 93% | -42% | -87% |
| TAMILNADU | -77% | 131% | 63% | -52% | -38% | 19% | -37% | 26% | -2% | -29% | -34% | -39% |
| PONDICHERRY(UT) | -88% | -75% | -17% | -94% | -97% | 75% | -46% | 163% | 15% | -70% | -42% | -21% |
| KARNATAKA | -40% | 350% | 22% | -14% | -8% | 16% | 34% | -16% | 34% | -16% | -57% | -83% |
| KERALA | -56% | 157% | 64% | -55% | -50% | 60% | 14% | -12% | 30% | -11% | 3% | -55% |
| LAKSHADWEEP(UT) | 26% | 134% | 218% | -89% | -49% | 29% | 3% | -29% | 10% | -54% | -34% | -55% |

The statistics and chart for categorywise number of states in different months of the year have been given at [Table 17](#) and [Figure 77](#) respectively.

It may be observed ([Table 16](#) and [Table 17](#)) that the states of Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram and Tripura recorded deficient/scanty/no rain during the first four months of the year. Again, Meghalaya remained scanty/deficient for all months except for May, when it was in normal category of rainfall. Similarly, the only months in which the state of Manipur recorded normal rainfall was in August. For rest of the months of the year, it remained in scant/deficient/no rain category.

Table 17: Category-wise Number of States - Monthly - Year 2013

| CATEGORY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EXCESS | 6 | 21 | 6 | 7 | 7 | 19 | 9 | 6 | 6 | 16 | 2 | 0 |
| NORMAL | 2 | 1 | 1 | 5 | 8 | 8 | 12 | 18 | 12 | 9 | 3 | 0 |
| DEFICIENT | 6 | 4 | 9 | 12 | 7 | 7 | 13 | 11 | 15 | 9 | 7 | 13 |
| SCANTY | 16 | 7 | 16 | 9 | 11 | 1 | 1 | 0 | 2 | 1 | 18 | 15 |
| NO RAIN | 4 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 6 |
| NO DATA | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

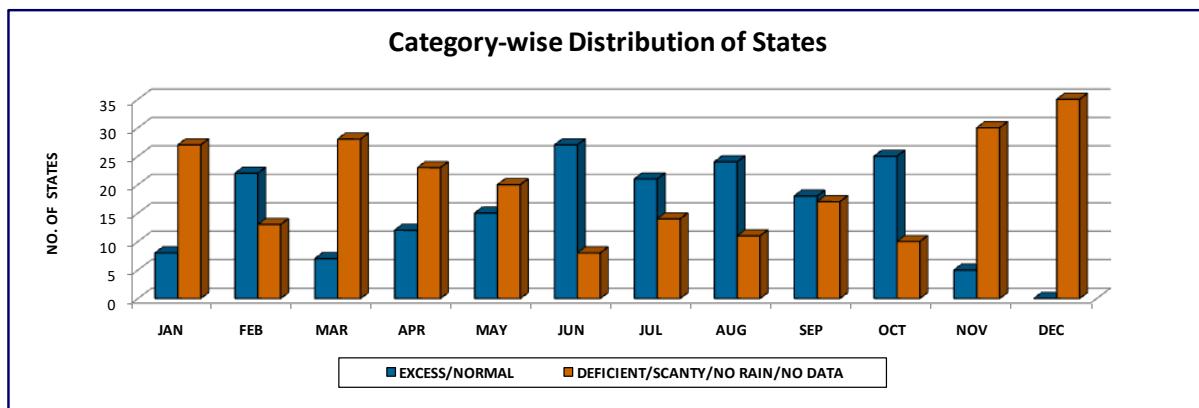


Figure 77: Category-wise distribution of States – Monthly

DISTRICT-WISE SEASONAL & ANNUAL RAINFALL STATISTICS

The rainfall statistics is prepared for 641 districts of India. The districtwise observed seasonal and annual rainfall is given in [Table 18](#). Also the percent departures of observed rainfall from their normals have been given in [Table 19](#). 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. The District of East Khasi Hills in Meghalaya received the highest rainfall of 5295.5 mm where as the District Kargil in Jammu & Kashmir received the lowest rainfall of 25.2 mm, which resembles with the normal pattern of rainfall in India.

Table 18: District-wise Monthly Rainfall (mm) - Year 2013

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------------|--------|-------------|---------|--------------|--------|
| A & N ISLAND | | | | | |
| NICOBAR | 319.9 | 405.6 | 1619.9 | 656.2 | 3001.6 |
| NORTH & MIDDLE ANDAMAN | 9.0 | 691.3 | 2710.8 | 1317.5 | 4728.6 |
| SOUTH AND AMAN | 76.3 | 616.6 | 1871.2 | 601.5 | 3165.6 |
| ANDHRA PRADESH | | | | | |
| ADILABAD | 45.0 | 20.2 | 1363.9 | 178.6 | 1607.7 |
| ANANTAPUR | 7.4 | 52.0 | 351.0 | 91.3 | 501.7 |
| CHITTOOR | 47.6 | 99.8 | 447.8 | 260.8 | 856.0 |
| CUDDAPAH | 26.5 | 45.0 | 404.8 | 212.9 | 689.2 |
| EAST GODAVARI | 21.1 | 78.3 | 472.7 | 548.1 | 1120.2 |
| GUNTUR | 81.0 | 52.0 | 607.6 | 420.9 | 1161.5 |
| HYDERABAD | 18.8 | 87.5 | 738.9 | 243.7 | 1088.9 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------------|--------|-------------|---------|--------------|--------|
| KARIMNAGAR | 49.8 | 35.0 | 1073.2 | 269.7 | 1427.7 |
| KHAMMAM | 20.4 | 59.2 | 1171.6 | 252.0 | 1503.2 |
| KRISHNA | 77.3 | 81.1 | 693.3 | 465.6 | 1317.3 |
| KURNOOL | 12.6 | 82.3 | 485.7 | 122.8 | 703.4 |
| MAHBUBNAGAR | 18.5 | 33.2 | 608.1 | 251.0 | 910.8 |
| MEDAK | 22.7 | 40.3 | 793.9 | 211.2 | 1068.1 |
| NALGONDA | 60.3 | 34.3 | 658.9 | 392.8 | 1146.3 |
| NELLORE | 51.8 | 53.3 | 382.6 | 384.1 | 871.8 |
| NIZAMABAD | 45.9 | 44.7 | 1095.0 | 156.1 | 1341.7 |
| PRAKASAM | 48.5 | 44.2 | 502.2 | 391.3 | 986.2 |
| RANGAREDDY | 17.4 | 62.2 | 651.1 | 241.1 | 971.8 |
| SRIKAKULAM | 1.2 | 94.7 | 628.0 | 698.0 | 1421.9 |
| VISHAKHAPATNAM | 9.2 | 72.2 | 475.7 | 525.4 | 1082.5 |
| VIZIANAGARAM | 1.8 | 89.7 | 538.9 | 397.9 | 1028.3 |
| WARANGAL | 27.9 | 24.2 | 1053.6 | 260.8 | 1366.5 |
| WEST GODAVARI | 24.6 | 39.3 | 550.8 | 391.4 | 1006.1 |
| ARUNACHAL PRADESH | | | | | |
| ANJAW | | | | | |
| CHANGLANG | 18.2 | 542.7 | 1130.5 | 155.0 | 1846.4 |
| DIBANG VALLEY | 138.0 | 889.0 | 607.0 | 325.5 | 1959.5 |
| EAST KAMENG | 19.6 | 240.3 | 912.6 | 92.3 | 1264.8 |
| EAST SIANG | 32.6 | 548.3 | 2524.1 | 251.4 | 3356.4 |
| KURUNG KUMEY | | | | | |
| LOHIT | 38.2 | 924.0 | 1369.2 | 136.8 | 2468.2 |
| LOWER DIBANG VALLEY | 56.9 | 840.7 | | 329.2 | |
| LOWER SUBANSIRI | | 248.6 | | | |
| PAPUMPARA | 20.6 | 723.0 | 1662.4 | 154.4 | 2560.4 |
| TAWANG | 41.0 | 883.0 | 1010.7 | 191.5 | 2126.2 |
| TIRAP | 13.2 | 663.5 | 1674.2 | 182.9 | 2533.8 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------|--------|-------------|---------|--------------|--------|
| UPPER SIANG | 143.0 | 1216.7 | 1966.6 | 240.9 | 3567.2 |
| UPPER SUBANSIRI | 34.3 | 496.0 | 621.9 | 120.7 | 1272.9 |
| WEST KAMENG | 57.0 | 427.4 | 1291.0 | 148.9 | 1924.3 |
| WEST SIANG | 48.0 | 623.0 | 1237.1 | 118.1 | 2026.2 |
| ASSAM | | | | | |
| BAKSA | 9.9 | 420.4 | 969.0 | 88.8 | 1488.1 |
| BARPETA | 12.8 | 508.7 | 1535.3 | 128.1 | 2184.9 |
| BONGAIGAON | 8.6 | 620.8 | 1458.9 | 187.0 | 2275.3 |
| CACHAR | 3.0 | 874.2 | 1493.9 | 185.0 | 2556.1 |
| CHIRANG | 13.7 | 496.9 | 1482.4 | 158.6 | 2151.6 |
| DARRANG | 12.0 | 58.0 | | 88.0 | |
| DHEMAJI | | 465.0 | 1254.0 | 63.0 | |
| DHUBRI | 8.7 | 386.9 | 998.3 | 119.6 | 1513.5 |
| DIBRUGARH | 11.4 | 742.8 | 1423.2 | 175.5 | 2352.9 |
| GOALPARA | 11.8 | 796.3 | 1107.1 | 96.6 | 2011.8 |
| GOLAGHAT | 10.3 | 377.1 | 852.3 | 150.0 | 1389.7 |
| HAILAKANDI | 3.5 | 691.0 | 1129.3 | 169.7 | 1993.5 |
| JORHAT | 10.8 | 512.3 | 1235.4 | 147.3 | 1905.8 |
| KAMRUP | 13.5 | 399.6 | 897.8 | 117.2 | 1428.1 |
| KAMRUP METRO. | 9.2 | 376.3 | 641.9 | 149.4 | 1176.8 |
| KARBIA GLONG | 4.0 | 355.4 | 813.8 | 79.1 | 1252.3 |
| KARIMGANJ | 5.2 | 605.0 | 1571.1 | 156.2 | 2337.5 |
| KOKRAJHAR | 18.9 | 621.2 | 2030.7 | 207.9 | 2878.7 |
| LAKHIMPUR | 13.8 | 498.7 | 1733.8 | 119.3 | 2365.6 |
| MORIGAON | 8.2 | 307.0 | 1151.6 | 98.6 | 1565.4 |
| N. C. HILLS | 12.4 | 658.6 | 828.9 | 91.8 | 1591.7 |
| NAGAON | 10.8 | 284.6 | 716.6 | 120.2 | 1132.2 |
| NALBARI | 11.1 | 442.3 | 926.6 | 145.8 | 1525.8 |
| SHONITPUR | 12.0 | 500.5 | 1220.5 | 80.1 | 1813.1 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------|--------|-------------|---------|--------------|--------|
| SIBSAGAR | 9.2 | 529.4 | 1095.9 | 111.0 | 1745.5 |
| TINSUKIA | 13.4 | 722.5 | 1210.7 | 179.2 | 2125.8 |
| UDALGURI | 18.0 | 489.8 | 1354.2 | 67.3 | 1929.3 |
| BIHAR | | | | | |
| ARARIA | 49.9 | 211.1 | 1498.5 | 233.3 | 1992.8 |
| ARWAL | 41.2 | 106.4 | 703.7 | 147.9 | 999.2 |
| AURANGABAD | 49.5 | 15.0 | 567.3 | 118.8 | 750.6 |
| BANKA | | | 797.4 | 308.4 | |
| BEGUSARAI | 17.6 | 121.2 | 542.4 | 224.8 | 906.0 |
| BHABUA | | | 641.9 | 95.3 | |
| BHAGALPUR | 14.5 | 202.0 | 752.1 | 326.1 | 1294.7 |
| BHOJPUR | | | 634.4 | 295.9 | |
| BUXAR | | | 478.5 | 149.2 | |
| DARBHANGA | | | 574.3 | 210.7 | |
| EAST CHAMPARAN | 46.6 | 169.4 | 713.5 | 227.5 | 1157.0 |
| GAYA | 10.7 | 124.8 | 423.5 | 158.5 | 717.5 |
| GOPALGANJ | 42.2 | 48.2 | 557.9 | 230.3 | 878.6 |
| JAHANABAD | 12.6 | 87.1 | 547.8 | 107.7 | 755.2 |
| JAMUI | 6.4 | 129.5 | 669.1 | 218.9 | 1023.9 |
| KATIHAR | 13.4 | 135.7 | 866.9 | 328.0 | 1344.0 |
| KHAGARIA | 5.5 | 62.5 | 711.1 | 148.3 | 927.4 |
| KISHANGANJ | | 189.4 | 2329.1 | 121.4 | |
| LAKHISARAI | 5.2 | 114.4 | 404.0 | 84.0 | 607.6 |
| MADHEPURA | 10.7 | 111.5 | 996.5 | 308.0 | 1426.7 |
| MADHUBANI | | | 588.9 | 193.0 | |
| MONGHYR | 0.0 | 108.4 | 691.5 | 182.0 | 981.9 |
| MUZAFFARPUR | 60.0 | 174.5 | 452.9 | 230.7 | 918.1 |
| NALANDA | 13.5 | 102.5 | 633.8 | 165.8 | 915.6 |
| NAWADA | 0.0 | 97.8 | 440.4 | 141.8 | 680.0 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|---------------------|--------|-------------|---------|--------------|--------|
| PATNA | 49.2 | 128.6 | 566.9 | 173.0 | 917.7 |
| PURNEA | 13.7 | 184.5 | 1016.7 | 226.7 | 1441.6 |
| ROHTAS | 59.8 | 12.1 | 798.5 | 112.5 | 982.9 |
| SAHARSA | 10.6 | 158.0 | 875.9 | 144.6 | 1189.1 |
| SAMASTIPUR | 9.6 | 44.1 | 477.9 | 214.5 | 746.1 |
| SARAN | 35.1 | 115.4 | 538.8 | 232.5 | 921.8 |
| SHEIKHPURA | 3.6 | 83.8 | 377.1 | 132.9 | 597.4 |
| SHEOHAR | 41.0 | 172.7 | 478.5 | 162.4 | 854.6 |
| SITAMARHI | 54.2 | 140.1 | 420.5 | 155.2 | 770.0 |
| SIWAN | | | 833.3 | 382.8 | |
| SUPAUL | 21.2 | 85.9 | 1013.0 | 171.5 | 1291.6 |
| VAISHALI | 39.3 | 104.7 | 381.4 | 172.7 | 698.1 |
| WEST CHAMPARAN | 37.0 | 188.4 | 1009.7 | 140.6 | 1375.7 |
| CHANDIGARH | | | | | |
| CHANDIGARH | 126.9 | 39.0 | 792.8 | 47.4 | 1006.1 |
| CHHATTISGARH | | | | | |
| BASTAR | 14.9 | 123.0 | 1112.3 | 184.3 | 1434.5 |
| BIJAPUR | 14.0 | 148.7 | 2381.2 | 231.9 | 2775.8 |
| BILASPUR | 25.6 | 63.3 | 1070.3 | 290.3 | 1449.5 |
| DANTEWADA | 3.0 | 100.0 | 1309.4 | 207.4 | 1619.8 |
| DHAMTARI | 19.2 | 15.8 | 1214.7 | 212.4 | 1462.1 |
| DURG | 13.6 | 17.2 | 1360.1 | 177.1 | 1568.0 |
| JANJGIR | 23.0 | 37.0 | 936.9 | 227.9 | 1224.8 |
| JASHPUR | 29.5 | 81.5 | 678.7 | 213.6 | 1003.3 |
| KANKER | 0.0 | 26.0 | 1368.7 | 227.5 | 1622.2 |
| KORBA | 47.0 | 29.0 | 946.3 | 197.1 | 1219.4 |
| KORIYA | 52.7 | 98.5 | 1324.8 | 130.5 | 1606.5 |
| KOWARDHA | 28.0 | 64.0 | 759.0 | 223.0 | 1074.0 |
| MAHASAMUND | 21.0 | 29.5 | 1332.1 | 128.7 | 1511.3 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------------|--------|-------------|---------|--------------|--------|
| NARAYANPUR | 4.0 | 37.0 | 1400.4 | 135.4 | 1576.8 |
| RAIGARH | 0.0 | 20.3 | 1014.7 | 186.3 | 1221.3 |
| RAIPUR | 8.7 | 34.8 | 1262.1 | 138.0 | 1443.6 |
| RAJNANDGAON | 28.6 | 0.0 | 1278.7 | 162.8 | 1470.1 |
| SURGUJA | 56.2 | 56.2 | 579.8 | 116.8 | 809.0 |
| DELHI | | | | | |
| CENTRAL DELHI | 93.9 | 16.0 | 694.0 | 64.0 | 867.9 |
| EAST DELHI | 66.0 | 2.0 | 504.0 | 65.0 | 637.0 |
| NEW DELHI | 135.3 | 21.7 | 847.4 | 75.3 | 1079.7 |
| NORTH DELHI | 117.4 | 12.8 | 601.5 | 55.7 | 787.4 |
| NORTH EAST DELHI | 37.0 | 1.0 | 249.0 | 0.0 | 287.0 |
| NORTH WEST DELHI | 148.0 | 7.8 | 568.7 | 28.5 | 753.0 |
| SOUTH DELHI | 98.1 | 18.8 | 485.7 | 50.5 | 653.1 |
| SOUTH WEST DELHI | 103.3 | 14.2 | 579.8 | 55.5 | 752.8 |
| WEST DELHI | 98.0 | 16.0 | 395.0 | 54.0 | 563.0 |
| DIU | | | | | |
| DIU | 0.0 | 0.0 | 812.4 | 99.4 | 911.8 |
| DNH & DAMAN | | | | | |
| DADARA & NAGAR HAVELI | | | 2874.2 | | |
| DAMAN | | | 2253.3 | | |
| GOA | | | | | |
| NORTH GOA | 15.7 | 70.5 | 3520.5 | 197.3 | 3804.0 |
| SOUTH GOA | 10.0 | 87.2 | 3217.4 | 185.5 | 3500.1 |
| GUJARAT | | | | | |
| AHMEDABAD | 0.0 | 10.7 | 854.7 | 63.6 | 929.0 |
| AMRELI | 0.0 | 37.3 | 774.8 | 89.1 | 901.2 |
| ANAND | 0.0 | 1.8 | 1136.1 | 21.8 | 1159.7 |
| BANASKANTHA | 3.9 | 9.8 | 873.1 | 79.5 | 966.3 |
| BARODA | 0.0 | 0.6 | 1399.7 | 41.8 | 1442.1 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------|--------|-------------|---------|--------------|--------|
| BHAVNAGAR | 0.0 | 44.1 | 835.5 | 53.6 | 933.2 |
| BROACH | 0.0 | 0.1 | 1122.3 | 42.7 | 1165.1 |
| DAHOD | 0.0 | 3.0 | 746.8 | 52.5 | 802.3 |
| DANGS | 0.3 | 3.0 | 1591.6 | 47.1 | 1642.0 |
| GANDHINAGAR | 5.7 | 1.9 | 964.6 | 75.8 | 1048.0 |
| JAMNAGAR | 1.9 | 0.1 | 895.5 | 36.6 | 934.1 |
| JUNAGARH | 0.0 | 0.6 | 1115.4 | 76.4 | 1192.4 |
| KHEDA | 0.0 | 6.8 | 961.1 | 59.3 | 1027.2 |
| KUTCH | 4.4 | 4.3 | 630.5 | 12.9 | 652.1 |
| MEHSANA | 1.4 | 2.3 | 831.2 | 70.0 | 904.9 |
| NARMADA | 0.0 | 0.0 | 1636.9 | 48.9 | 1685.8 |
| NAVSARI | 0.0 | 2.3 | 2005.7 | 40.4 | 2048.4 |
| PANCHMAHAL | 0.0 | 8.9 | 1024.2 | 70.4 | 1103.5 |
| PATAN | 0.0 | 4.0 | 708.6 | 52.1 | 764.7 |
| PORBANDAR | 0.0 | 0.0 | 1039.3 | 75.0 | 1114.3 |
| RAJKOT | 0.0 | 8.0 | 982.8 | 37.2 | 1028.0 |
| SABARKANTHA | 4.0 | 19.5 | 1026.6 | 84.6 | 1134.7 |
| SURAT | 0.0 | 1.2 | 1904.5 | 53.0 | 1958.7 |
| SURENDRANAGAR | 0.3 | 6.8 | 641.4 | 23.8 | 672.3 |
| TAPI | 0.0 | 0.0 | 1660.5 | 58.8 | 1719.3 |
| VALSAD | 0.0 | 2.1 | 2744.3 | 57.7 | 2804.1 |
| HARYANA | | | | | |
| AMBALA | 138 | 35.4 | 749.9 | 24.3 | 947.6 |
| BHIWANI | 62.6 | 5.5 | 212.4 | 12.4 | 292.9 |
| FARIDABAD | 25.5 | 3 | 585.3 | 4.3 | 618.1 |
| FATEHABAD | 42.1 | 12.1 | 190 | 6.3 | 250.5 |
| GURGAON | 64 | 6.5 | 330.5 | 0 | 401 |
| HISAR | 42.8 | 18.9 | 346.7 | 7.0 | 415.4 |
| JHAJJAR | 44.0 | 0.0 | 264.8 | 2.1 | 310.9 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------------------|--------|-------------|---------|--------------|--------|
| JIND | 119.8 | 12.2 | 351.5 | 2.2 | 485.7 |
| KAITHAL | 47.9 | 7.6 | 302.5 | 8.1 | 366.1 |
| KARNAL | 119.1 | 9.7 | 543.5 | 19.5 | 691.8 |
| KURUKSHETRA | 63.4 | 14.5 | 220.4 | 7.7 | 306.0 |
| MAHENDRAGARH | 93.2 | 0.0 | 313.4 | 1.1 | 407.7 |
| MEWAT | 99.0 | 0.2 | 341.6 | 15.0 | 455.8 |
| PALWAL | 84.3 | 0.7 | 330.6 | 23.8 | 439.4 |
| PANCHKULA | 107.5 | 12.7 | 559.6 | 29.8 | 709.6 |
| PANIPAT | 140.8 | 4.6 | 227.0 | 21.5 | 393.9 |
| REWARI | 34.2 | 9.8 | 379.3 | 44.2 | 467.5 |
| ROHTAK | 5.3 | 18.0 | 222.5 | 17.0 | 262.8 |
| SIRSA | 8.0 | 10.2 | 163.9 | 1.0 | 183.1 |
| SONEPAT | 131.8 | 0.9 | 401.4 | 42.4 | 576.5 |
| YAMUNA NAGAR | 218.4 | 29.0 | 1055.4 | 47.4 | 1350.2 |
| HIMACHAL PRADESH | | | | | |
| BILASPUR | 190.5 | 92.4 | 832.6 | 47.1 | 1162.6 |
| CHAMBA | 285.1 | 133.6 | 791.0 | 100.8 | 1310.5 |
| HAMIRPUR | 166.5 | 103.9 | 1090.6 | 67.0 | 1428.0 |
| KANGRA | 173.5 | 127.9 | 1945.4 | 156.7 | 2403.5 |
| KINNAUR | 393.6 | 177.6 | 460.5 | 23.3 | 1055.0 |
| KULLU | 385.5 | 199.1 | 639.9 | 67.2 | 1291.7 |
| LAHAUL & SPITI | 207.3 | 156.1 | 119.6 | 26.6 | 509.6 |
| MANDI | 204.9 | 119.2 | 1194.6 | 54.9 | 1573.6 |
| SHIMLA | 285.2 | 121.6 | 576.2 | 44.0 | 1027.0 |
| SIRMAUR | 304.1 | 41.8 | 1391.0 | 70.6 | 1807.5 |
| SOLAN | 275.7 | 86.2 | 812.2 | 76.2 | 1250.3 |
| UNA | 111.5 | 56.1 | 1189.7 | 100.8 | 1458.1 |
| JAMMU & KASHMIR | | | | | |
| ANANTNAG | 244.1 | 271.5 | 302.8 | 118.9 | 937.3 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------|--------|-------------|---------|--------------|--------|
| BADGAM | 174.0 | 202.9 | 211.4 | 56.3 | 644.6 |
| BANDIPORE | | | | | |
| BARAMULA | 270.0 | 297.6 | 313.3 | 60.7 | 941.6 |
| DODA | 396.4 | 204.6 | 641.2 | 122.2 | 1364.4 |
| GANDERWAL | 208.6 | 363.1 | 271.5 | 93.0 | 936.2 |
| JAMMU | 189.2 | 46.8 | 1101.0 | 97.1 | 1434.1 |
| KARGIL | 18.0 | 5.2 | 2.0 | 0.0 | 25.2 |
| KATHUA | 181.4 | 61.5 | 1335.7 | 215.9 | 1794.5 |
| KISTWAR | | | | | |
| KULGAM | 268.3 | 242.6 | 224.7 | 57.1 | 792.7 |
| KUPWARA | 280.3 | 276.4 | 292.2 | 51.6 | 900.5 |
| LADAKH (LEH) | 10.2 | 11.4 | 19.6 | 6.4 | 47.6 |
| POONCH | 344.0 | 134.0 | 551.0 | 29.1 | 1058.1 |
| PULWAMA | 148.1 | 177.2 | 160.4 | 41.0 | 526.7 |
| RAJOURI | 215.2 | 103.1 | 593.5 | 81.4 | 993.2 |
| RAMBAN | 443.1 | 219.1 | 423.4 | 77.6 | 1163.2 |
| REASI | 296.0 | 145.7 | 2303.8 | 196.0 | 2941.5 |
| SAMBA | 141.2 | 30.9 | 1276.7 | 51.9 | 1500.7 |
| SHOPIAN | 210.0 | 219.0 | 206.0 | 49.5 | 684.5 |
| SRINAGAR | 188.8 | 235.1 | 313.4 | 48.2 | 785.5 |
| UDHAMPUR | 179.3 | 119.5 | 805.9 | 91.0 | 1195.7 |
| JHARKHAND | | | | | |
| BOKARO | 26.7 | 177.1 | 835.1 | 372.2 | 1411.1 |
| CHATRA | | | 509.3 | 200.1 | |
| DEOGHAR | 17.5 | 132.0 | 730.6 | 261.0 | 1141.1 |
| DHANBAD | 24.0 | 126.0 | 836.4 | 284.2 | 1270.6 |
| DUMKA | | | 661.5 | | |
| EAST SINGBHUM | 12.4 | 223.6 | 1263.0 | 349.0 | 1848.0 |
| GARHWA | | | 566.6 | 104.5 | |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|---------------------|--------|-------------|---------|--------------|--------|
| GIRIDIH | 15.8 | 135.6 | 714.4 | 266.4 | 1132.2 |
| GODDA | | | 968.4 | 270.6 | |
| GUMLA | | | 1091.8 | | |
| HAZARIBAG | 30.2 | 123.2 | 691.5 | 246.1 | 1091.0 |
| JAMTARA | 26.1 | 161.2 | 898.5 | 241.3 | 1327.1 |
| KHUNTI | | | 984.3 | 291.5 | |
| KODERMA | | | 697.7 | 244.5 | |
| LATEHAR | | | 984.2 | 321.2 | |
| LOHARDAGA | 0.0 | | 974.3 | 254.0 | |
| PAKUR | | | 1094.4 | 444.1 | |
| PALAMU | 20.8 | 10.9 | 659.1 | 222.2 | 913.0 |
| RAMGARH | 1.2 | 103.6 | 784.8 | 385.4 | 1275.0 |
| RANCHI | 27.4 | 57.4 | 717.9 | 300.1 | 1102.8 |
| SAHIBGANJ | 8.6 | 195.3 | 1176.2 | 210.8 | 1590.9 |
| SERAIKELA-KHARSAWAN | | | 864.5 | | |
| SIMDEGA | | | 1239.8 | | |
| WEST SINGBHUM | 10.8 | 124.5 | 886.2 | 383.2 | 1404.7 |
| KARNATAKA | | | | | |
| BAGALKOTE | 1.4 | 80.9 | 305.4 | 126.9 | 514.6 |
| BANGALORE RURAL | 6.9 | 160.8 | 509.5 | 195.6 | 872.8 |
| BANGALORE URBAN | 4.0 | 141.6 | 491.2 | 160.2 | 797.0 |
| BELGAM | 4.3 | 74.8 | 616.2 | 78.8 | 774.1 |
| BELLARY | 4.4 | 91.1 | 378.1 | 130.6 | 604.2 |
| BIDAR | 13.4 | 55.6 | 776.3 | 143.5 | 988.8 |
| BIJAPUR | 2.6 | 52.1 | 461.8 | 96.2 | 612.7 |
| CHAMARAJANAGAR | 0.4 | 162.1 | 355.0 | 161.4 | 678.9 |
| CHICKBALLAPUR | 16.9 | 95.4 | 352.3 | 154.9 | 619.5 |
| CHIKMAGALUR | 24.7 | 178.1 | 1905.1 | 93.2 | 2201.1 |
| CHITRADURGA | 4.7 | 129.5 | 390.4 | 59.2 | 583.8 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------|--------|-------------|---------|--------------|--------|
| DAKSHIN KANNADA | 26.0 | 168.5 | 3706.8 | 383.3 | 4284.6 |
| DAVANGERE | 4.7 | 199.8 | 537.2 | 74.8 | 816.5 |
| DHARWAD | 5.3 | 125.7 | 484.3 | 71.0 | 686.3 |
| GADAG | 0.0 | 115.7 | 345.6 | 81.2 | 542.5 |
| GULBARGA | 12.1 | 68.7 | 677.3 | 80.8 | 838.9 |
| HASSAN | 15.5 | 166.6 | 693.1 | 120.6 | 995.8 |
| HAVERI | 22.3 | 110.4 | 573.9 | 71.5 | 778.1 |
| KODAGU | 22.5 | 210.0 | 2608.4 | 190.4 | 3031.3 |
| KOLAR | 16.5 | 118.2 | 353.1 | 176.0 | 663.8 |
| KOPPAL | 5.0 | 72.1 | 417.1 | 164.4 | 658.6 |
| MANDYA | 15.6 | 160.7 | 290.6 | 142.4 | 609.3 |
| MYSORE | 1.8 | 143.3 | 414.8 | 170.1 | 730.0 |
| RAICHUR | 14.3 | 73.5 | 541.8 | 127.5 | 757.1 |
| RAMANAGARA | 1.0 | 155.8 | 515.8 | 126.4 | 799.0 |
| SHIMOGA | 22.4 | 117.9 | 2465.4 | 150.7 | 2756.4 |
| TUMKUR | 5.8 | 110.4 | 414.0 | 124.0 | 654.2 |
| UDUPI | 17.1 | 170.9 | 4315.8 | 348.7 | 4852.5 |
| UTTAR KANNADA | 16.9 | 86.9 | 3334.8 | 210.6 | 3649.2 |
| YADGIR | 5.9 | 54.6 | 566.6 | 137.0 | 764.1 |
| KERALA | | | | | |
| ALAPUZHA | 112.4 | 227.5 | 2110.9 | 373.1 | 2823.9 |
| CANNUR | 35.5 | 164.6 | 3441.3 | 381.0 | 4022.4 |
| ERNAKULAM | 71.6 | 237.6 | 2774.1 | 574.9 | 3658.2 |
| IDUKKI | 15.4 | 257.1 | 3345.2 | 442.7 | 4060.4 |
| KASARGOD | 83.2 | 180.5 | 3086.3 | 220.2 | 3570.2 |
| KOLLAM | 68.3 | 299.0 | 1777.4 | 544.2 | 2688.9 |
| KOTTAYAM | 38.9 | 376.8 | 2581.2 | 608.7 | 3605.6 |
| KOZHIKODE | 43.1 | 254.5 | 3166.6 | 379.4 | 3843.6 |
| MALAPPURAM | 7.7 | 141.5 | 2677.7 | 388.0 | 3214.9 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------------|--------|-------------|---------|--------------|--------|
| PALAKKAD | 43.5 | 124.1 | 2089.0 | 314.2 | 2570.8 |
| PATHANAMTHITTA | 33.4 | 293.0 | 1928.4 | 592.5 | 2847.3 |
| THIRUVANANTHAPURAM | 73.6 | 199.4 | 1108.7 | 463.4 | 1845.1 |
| THRISSUR | 46.8 | 169.3 | 2456.0 | 511.9 | 3184.0 |
| WYNAD | 11.5 | 238.5 | 2689.6 | 230.7 | 3170.3 |
| LAKSHADWEEP | | | | | |
| LAKSHADWEEP | 60.6 | 131.1 | 1057.0 | 177.6 | 1426.3 |
| MADHYA PRADESH | | | | | |
| ALIRAJPUR | 0.0 | 13.3 | 1307.6 | 86.8 | 1407.7 |
| ANUPPUR | 73.9 | 44.7 | 945.2 | 204.8 | 1268.6 |
| ASHOKNAGAR | 71.5 | 12.5 | 1267.2 | 118.3 | 1469.5 |
| BALAGHAT | 23.5 | 23.7 | 1278.9 | 102.7 | 1428.8 |
| BARWANI | 0.0 | 6.7 | 896.0 | 33.1 | 935.8 |
| BETUL | 32.2 | 4.5 | 1554.7 | 92.6 | 1684.0 |
| BHIND | 45.5 | 0.8 | 950.0 | 106.7 | 1103.0 |
| BHOPAL | 24.8 | 60.2 | 1263.4 | 26.2 | 1374.6 |
| BURHANPUR | 54.1 | 0.0 | 1339.8 | 94.5 | 1488.4 |
| CHHATARPUR | 63.6 | 3.3 | 1273.5 | 162.0 | 1502.4 |
| CHINDWARA | 28.3 | 3.5 | 1215.4 | 160.8 | 1408.0 |
| DAMOH | 31.8 | 15.4 | 1650.5 | 96.1 | 1793.8 |
| DATIA | 95.5 | 9.5 | 977.5 | 83.5 | 1166.0 |
| DEWAS | 31.7 | 3.2 | 1333.5 | 44.9 | 1413.3 |
| DHAR | 6.5 | 2.2 | 1149.6 | 138.4 | 1296.7 |
| DINDORI | 47.2 | 11.7 | 1106.3 | 63.9 | 1229.1 |
| GUNA | 67.6 | 31.5 | 1512.3 | 67.1 | 1678.5 |
| GWALIOR | 77.4 | 3.8 | 842.2 | 104.0 | 1027.4 |
| HARDA | 56.3 | 0.4 | 1693.2 | 87.7 | 1837.6 |
| HOSHANGABAD | 67.2 | 31.1 | 1946.0 | 58.5 | 2102.8 |
| INDORE | 11.2 | 19.8 | 1467.8 | 120.3 | 1619.1 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------|--------|-------------|---------|--------------|--------|
| JABALPUR | 69.1 | 47.2 | 1909.5 | 83.9 | 2109.7 |
| JHABUA | 0.0 | 0.0 | 1194.5 | 98.4 | 1292.9 |
| KATNI | 40.0 | 7.0 | 1225.3 | 70.3 | 1342.6 |
| KHANDWA | 20.4 | 0.6 | 1400.9 | 34.5 | 1456.4 |
| KHARGONE | 18.1 | 0.0 | 962.1 | 52.8 | 1033.0 |
| MANDLA | 48.3 | 55.0 | 1595.0 | 129.8 | 1828.1 |
| MANDSAUR | 18.2 | 7.3 | 1050.8 | 34.3 | 1110.6 |
| MORENA | 26.3 | 0.0 | 952.4 | 75.8 | 1054.5 |
| NARSINGHPUR | 40.3 | 6.5 | 1585.0 | 189.2 | 1821.0 |
| NEEMUCH | 16.8 | 1.7 | 1127.8 | 148.5 | 1294.8 |
| PANNA | 6.0 | 0.0 | 1414.3 | 201.6 | 1621.9 |
| RAISEN | 1.5 | 18.3 | 1505.6 | 76.0 | 1601.4 |
| RAJGARH | 40.0 | 28.2 | 1447.8 | 60.0 | 1576.0 |
| RATLAM | 9.1 | 10.7 | 1227.4 | 105.8 | 1353.0 |
| REWA | 46.5 | 18.5 | 1268.8 | 145.4 | 1479.2 |
| SAGAR | 18.7 | 27.4 | 1838.0 | 50.4 | 1934.5 |
| SATNA | 45.9 | 15.7 | 1145.9 | 143.7 | 1351.2 |
| SEHORE | 26.9 | 22.3 | 1404.1 | 27.5 | 1480.8 |
| SEONI | 40.1 | 77.1 | 1483.6 | 133.9 | 1734.7 |
| SHAHDOL | 91.2 | 7.5 | 801.6 | 155.0 | 1055.3 |
| SHAJAPUR | 34.8 | 18.6 | 1274.4 | 43.5 | 1371.3 |
| SHEOPUR | 47.0 | 2.0 | 898.6 | 71.2 | 1018.8 |
| SHIVPURI | 60.5 | 1.5 | 1214.1 | 55.6 | 1331.7 |
| SIDHI | 62.6 | 34.5 | 1130.6 | 99.6 | 1327.3 |
| SINGRAULI | 56.5 | 25.0 | 819.4 | 130.0 | 1030.9 |
| TIKAMGARH | 72.5 | 6.3 | 1106.0 | 130.0 | 1314.8 |
| UJJAIN | 18.0 | 28.5 | 1163.7 | 62.7 | 1272.9 |
| UMARIA | 82.1 | 53.0 | 992.7 | 48.1 | 1175.9 |
| VIDISHA | 24.9 | 27.4 | 1533.5 | 28.9 | 1614.7 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------|--------|-------------|---------|--------------|--------|
| MAHARASHTRA | | | | | |
| AHMEDNAGAR | 1.0 | 0.0 | 524.7 | 75.5 | 601.2 |
| AKOLA | 31.3 | 2.6 | 1146.7 | 154.3 | 1334.9 |
| AMRAOTI | 20.4 | 10.7 | 983.5 | 99.6 | 1114.2 |
| AURANGABAD | 0.8 | 2.6 | 599.0 | 107.1 | 709.5 |
| BEED | 0.0 | 8.0 | 577.7 | 104.8 | 690.5 |
| BHANDARA | 15.4 | 7.9 | 1619.9 | 121.5 | 1764.7 |
| BULDHANA | 4.3 | 0.9 | 842.1 | 71.5 | 918.8 |
| CHANDRAPUR | 29.7 | 7.6 | 1669.3 | 197.7 | 1904.3 |
| DHULE | | 1.8 | 809.2 | | |
| GADCHIROLI | 15.5 | 3.2 | 2030.4 | 197.0 | 2246.1 |
| GONDIA | 35.0 | 16.6 | 1806.1 | 97.9 | 1955.6 |
| HINGOLI | | 17.3 | 1023.3 | | |
| JALGAON | 22.2 | 1.9 | 847.5 | 57.8 | 929.4 |
| JALNA | 0.0 | 0.0 | 708.3 | 114.6 | 822.9 |
| KOLHAPUR | 4.9 | 51.1 | 1772.8 | 62.8 | 1891.6 |
| LATUR | 25.0 | 22.4 | 736.8 | 155.6 | 939.8 |
| MUMBAI CITY | 0.0 | 0.0 | 2370.3 | 73.1 | 2443.4 |
| MUMBAI SUBURBAN | 0.0 | 0.0 | 2432.9 | 85.3 | 2518.2 |
| NAGPUR | 15.0 | 9.1 | 1309.6 | 109.8 | 1443.5 |
| NANDED | 34.9 | 35.5 | 981.3 | 123.6 | 1175.3 |
| NANDURBAR | | 3.8 | 1282.6 | | |
| NASHIK | 5.1 | 5.0 | 1118.5 | 83.0 | 1211.6 |
| OSMANABAD | 0.6 | 29.4 | 636.4 | 69.8 | 736.2 |
| PARBHANI | 17.0 | 23.1 | 847.3 | 112.6 | 1000.0 |
| PUNE | 0.8 | 1.7 | 1052.7 | 51.2 | 1106.4 |
| RAIGAD | 0.0 | 0.3 | 3680.2 | 122.2 | 3802.7 |
| RATNAGIRI | 0.2 | 12.1 | 4084.5 | 260.6 | 4357.4 |
| SANGLI | 0.6 | 27.6 | 533.7 | 63.8 | 625.7 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------|--------|-------------|---------|--------------|--------|
| SATARA | 1.4 | 13.1 | 866.9 | 44.2 | 925.6 |
| SHOLAPUR | 0.9 | 33.6 | 515.0 | 44.3 | 593.8 |
| SINDHUDURG | 21.9 | 47.3 | 3606.7 | 135.5 | 3811.4 |
| THANE | 0.0 | 12.5 | 2910.1 | 103.9 | 3026.5 |
| WARDHA | 32.8 | 13.3 | 1065.3 | 115.9 | 1227.3 |
| WASHIM | 30.1 | 7.4 | 1178.9 | 113.4 | 1329.8 |
| YEOTMAL | 9.6 | 4.8 | 1173.9 | 129.2 | 1317.5 |
| MANIPUR | | | | | |
| BISHNUPUR | 0.0 | 40.0 | | 106.0 | |
| CHANDEL | 0.0 | 25.0 | | 62.0 | |
| CHURACHANDPUR | | 77.0 | 740.0 | | |
| IMPHAL EAST | 1.0 | 508.9 | 977.7 | 77.2 | 1564.8 |
| IMPHAL WEST | | | | 48.0 | |
| SENAPATI | 15.8 | | | 112.0 | |
| TAMENGLONG | | | | | |
| THOUBAL | 3.0 | 436.0 | 728.0 | 74.0 | 1241.0 |
| UKHRUL | 2.0 | 307.0 | | 128.0 | |
| MEGHALAYA | | | | | |
| EAST GARO HILLS | 16.0 | 30.0 | | 157.2 | |
| EAST KHASI HILLS | 19.3 | 1155.7 | 3811.9 | 308.6 | 5295.5 |
| JAINTIA HILLS | 1.0 | 662.2 | 1535.6 | 197.0 | 2395.8 |
| RI-BHOI | 14.2 | 521.4 | 1079.4 | 105.9 | 1720.9 |
| SOUTH GARO HILLS | 6.0 | 342.0 | 438.0 | 131.0 | 917.0 |
| WEST GARO HILLS | 1.8 | 533.2 | 1015.1 | 71.4 | 1621.5 |
| WEST KHASI HILLS | 20.0 | 406.0 | 348.0 | | |
| MIZORAM | | | | | |
| AIZWAL | 4.0 | 629.8 | 1445.0 | 122.6 | 2201.4 |
| CHAMPHAI | | 537.0 | 759.0 | 157.0 | |
| CHHIMTUIPUI | | | | | |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------|--------|-------------|---------|--------------|--------|
| KOLASIB | 5.0 | 266.0 | | 88.0 | |
| LAWNGTLAI | 5.0 | 507.0 | 1404.0 | 58.0 | 1974.0 |
| LUNGLEI | 3.0 | 302.0 | 1171.0 | 193.0 | 1669.0 |
| MAMIT | 5.0 | 359.0 | 840.0 | 83.0 | 1287.0 |
| SAIHA | 6.0 | 506.6 | 2241.4 | 430.1 | 3184.1 |
| SERCHHIP | 2.0 | 458.0 | 619.0 | 85.0 | 1164.0 |
| NAGALAND | | | | | |
| DIMAPUR | 0.0 | 433.5 | 917.0 | 137.6 | 1488.1 |
| KEPHIRE | 3.0 | 56.7 | 520.4 | 55.2 | 635.3 |
| KOHIMA | 17.2 | 419.0 | 1082.4 | 101.4 | 1620.0 |
| LONGLENG | | | | | |
| MOKOKCHUNG | 22.0 | 695.0 | 547.0 | 101.0 | 1365.0 |
| MON | | | | 90.0 | |
| PAREN | | | | | |
| PHEK | 1.7 | 285.3 | 829.1 | 190.6 | 1306.7 |
| TUENSANG | | | | | |
| WOKHA | 8.0 | 3.0 | | 139.0 | |
| ZUNHEBOTO | 12.0 | 690.0 | | | |
| ORISSA | | | | | |
| ANGUL | 10.5 | 75.7 | 980.5 | 356.6 | 1423.3 |
| BALASORE | 6.9 | 267.4 | 1169.6 | 746.0 | 2189.9 |
| BARGARH | 19.4 | 39.1 | 978.5 | 186.6 | 1223.6 |
| BHADRAK | 11.7 | 241.2 | 915.9 | 650.9 | 1819.7 |
| BOLANGIR | 5.6 | 68.1 | 1038.4 | 195.2 | 1307.3 |
| BOUDHGORH | 2.3 | 25.4 | 850.8 | 321.9 | 1200.4 |
| CUTTACK | 7.1 | 120.6 | 896.9 | 634.0 | 1658.6 |
| DEOGARH | 16.2 | 35.3 | 1111.7 | 277.6 | 1440.8 |
| DHENKANAL | 4.0 | 99.8 | 1061.3 | 454.9 | 1620.0 |
| GAJAPATI | 5.8 | 152.4 | 982.3 | 555.9 | 1696.4 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------|--------|-------------|---------|--------------|--------|
| GANJAM | 8.2 | 79.9 | 958.9 | 774.3 | 1821.3 |
| JAGATSINGHPUR | 2.2 | 121.6 | 658.4 | 497.8 | 1280.0 |
| JAJPUR | 15.4 | 154.4 | 874.5 | 646.6 | 1690.9 |
| JHARSUGUDA | 11.0 | 59.3 | 1020.0 | 193.5 | 1283.8 |
| KALAHANDI | 18.3 | 72.5 | 1262.1 | 224.8 | 1577.7 |
| KANDHAMAL | 5.5 | 85.8 | 1067.4 | 405.9 | 1564.6 |
| KENDRAPARA | 1.0 | 162.1 | 846.2 | 646.7 | 1656.0 |
| KEONJHARGARH | 20.6 | 155.2 | 1137.1 | 382.0 | 1694.9 |
| KHURDA | 5.1 | 90.4 | 970.9 | 664.0 | 1730.4 |
| KORAPUT | 13.9 | 109.8 | 1301.1 | 215.8 | 1640.6 |
| MALKANGIRI | 14.8 | 144.2 | 1414.4 | 178.5 | 1751.9 |
| MAYURBHANJ | 11.6 | 292.5 | 1345.0 | 624.8 | 2273.9 |
| NAWAPARA | 12.8 | 18.2 | 1264.7 | 150.7 | 1446.4 |
| NAWARANGPUR | 0.3 | 160.4 | 1558.0 | 256.1 | 1974.8 |
| NAYAGARH | 14.9 | 129.5 | 1124.0 | 761.0 | 2029.4 |
| PURI | 1.8 | 71.1 | 881.5 | 586.2 | 1540.6 |
| RAYAGADA | 8.1 | 98.5 | 1092.6 | 260.3 | 1459.5 |
| SAMBALPUR | 17.8 | 47.6 | 1097.2 | 248.1 | 1410.7 |
| SONEPUR | 12.7 | 48.4 | 1034.4 | 217.0 | 1312.5 |
| SUNDARGARH | 16.9 | 86.0 | 1191.4 | 209.9 | 1504.2 |
| PONDICHERRY | | | | | |
| KARAikal | 22.8 | 10.4 | 382.4 | 602.7 | 1018.3 |
| MAHE | | | | | |
| PONDICHERRY | 3.5 | 18.8 | 653.0 | 443.6 | 1118.9 |
| YANAM | | | | | |
| PUNJAB | | | | | |
| AMRITSAR | 77.6 | 10.6 | 552.2 | 45.4 | 685.8 |
| BARNALA | 34.8 | 3.2 | 232.1 | 5.5 | 275.6 |
| BHATINDA | 48.0 | 30.0 | 510.0 | 4.5 | 592.5 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------|--------|-------------|---------|--------------|--------|
| FARIDKOT | 90.5 | 23.0 | 633.4 | 50.0 | 796.9 |
| FATEHGARH SAHIB | 64.5 | 63.8 | 524.0 | 43.0 | 695.3 |
| FEROZEPUR | 9.7 | 2.8 | 299.1 | 22.1 | 333.7 |
| GURDASPUR | 165.7 | 26.9 | 1197.7 | 108.8 | 1499.1 |
| HOSHIARPUR | 79.0 | 18.2 | 450.5 | 38.3 | 586.0 |
| JALANDHAR | 90.6 | 23.7 | 470.3 | 9.3 | 593.9 |
| KAPURTHALA | 79.7 | 25.1 | 559.5 | 32.4 | 696.7 |
| LUDHIANA | 64.4 | 26.0 | 432.6 | 31.5 | 554.5 |
| MANSA | 27.7 | 5.0 | 224.8 | 2.5 | 260.0 |
| MOGA | 19.1 | 3.1 | 563.4 | 20.8 | 606.4 |
| MUKTSAR | 13.5 | 7.5 | 561.3 | 2.0 | 584.3 |
| NAWANSHAHAR | 70.8 | 53.3 | 674.9 | 36.7 | 835.7 |
| PATIALA | 62.7 | 17.8 | 414.2 | 9.1 | 503.8 |
| ROPAR | 84.3 | 53.6 | 783.1 | 36.8 | 957.8 |
| SANGRUR | 58.1 | 19.0 | 229.5 | 18.8 | 325.4 |
| SAS NAGAR MOHALI | 19.0 | 18.3 | 590.0 | 19.0 | 646.3 |
| TARN TARAN | 36.8 | 15.2 | 371.3 | 55.9 | 479.2 |
| RAJASTHAN | | | | | |
| AJMER | 12.1 | 0.6 | 533.2 | 12.7 | 558.6 |
| ALWAR | 58.4 | 7.3 | 575.9 | 21.4 | 663.0 |
| BANSWARA | 11.9 | 12.1 | 978.4 | 56.2 | 1058.6 |
| BARAN | 22.8 | 0.3 | 1445.6 | 33.9 | 1502.6 |
| BARMER | 9.9 | 6.4 | 365.0 | 24.1 | 405.4 |
| BHARATPUR | 10.5 | 4.5 | 505.1 | 30.6 | 550.7 |
| BHILWARA | 19.4 | 1.3 | 662.4 | 8.0 | 691.1 |
| BIKANER | 43.3 | 14.9 | 240.6 | 4.8 | 303.6 |
| BUNDI | 16.4 | 0.0 | 848.4 | 31.8 | 896.6 |
| CHITTORGARH | 1.2 | 3.0 | 909.0 | 17.2 | 930.4 |
| CHURU | 61.2 | 7.3 | 383.2 | 16.2 | 467.9 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------|--------|-------------|---------|--------------|--------|
| DAUSA | 40.5 | 1.3 | 758.7 | 30.6 | 831.1 |
| DHOLPUR | 51.8 | 0.6 | 828.1 | 133.2 | 1013.7 |
| DUNGARPUR | 13.3 | 8.8 | 864.4 | 68.8 | 955.3 |
| HANUMANGARH | 51.3 | 8.2 | 291.6 | 3.0 | 354.1 |
| JAIPUR | 31.9 | 5.7 | 591.6 | 15.9 | 645.1 |
| JAISALMER | 19.0 | 15.3 | 199.2 | 3.6 | 237.1 |
| JALORE | 27.1 | 4.8 | 540.4 | 35.2 | 607.5 |
| JHALAWAR | 28.8 | 3.3 | 1364.6 | 42.1 | 1438.8 |
| JHUNJHUNU | 46.6 | 9.3 | 406.8 | 22.9 | 485.6 |
| JODHPUR | 24.7 | 4.2 | 462.9 | 0.9 | 492.7 |
| KARAULI | 41.8 | 8.1 | 772.4 | 12.6 | 834.9 |
| KOTA | 14.5 | 4.5 | 1095.6 | 76.2 | 1190.8 |
| NAGAUR | 39.5 | 4.3 | 442.4 | 13.7 | 499.9 |
| PALI | 16.0 | 1.2 | 501.4 | 19.9 | 538.5 |
| PRATAPGARH | 13.8 | 12.2 | 1182.3 | 63.0 | 1271.3 |
| RAJSAMAND | 8.3 | 2.5 | 645.6 | 34.0 | 690.4 |
| SAWAI MADHOPUR | 32.4 | 11.5 | 883.1 | 13.0 | 940.0 |
| SIKAR | 45.7 | 2.6 | 444.1 | 25.1 | 517.5 |
| SIROHI | 4.5 | 8.1 | 852.8 | 92.1 | 957.5 |
| SRI GANGANagar | 53.3 | 9.0 | 166.9 | 4.1 | 233.3 |
| TONK | 19.2 | 1.6 | 760.6 | 11.5 | 792.9 |
| UDAIPUR | 4.4 | 4.9 | 702.9 | 35.4 | 747.6 |
| SIKKIM | | | | | |
| EAST SIKKIM | 36.4 | 792.8 | 1315.3 | 240.4 | 2384.9 |
| NORTH SIKKIM | 72.4 | 936.8 | 1455.9 | 319.5 | 2784.6 |
| SOUTH SIKKIM | 29.7 | 440.5 | 1115.0 | 157.2 | 1742.4 |
| WEST SIKKIM | 51.0 | 588.0 | 1657.7 | 164.9 | 2461.6 |
| TAMILNADU | | | | | |
| ARIYALUR | 7.3 | 29.5 | 345.2 | 285.8 | 667.8 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------|--------|-------------|---------|--------------|--------|
| CHENNAI | 16.9 | 28.8 | 600.0 | 463.5 | 1109.2 |
| COIMBATORE | 57.8 | 121.2 | 461.4 | 257.9 | 898.3 |
| CUDDALORE | 21.3 | 59.4 | 454.4 | 442.6 | 977.7 |
| DHARMAPURI | 22.0 | 180.2 | 284.8 | 314.4 | 801.4 |
| DINDIGUL | 33.9 | 102.7 | 175.0 | 219.7 | 531.3 |
| ERODE | 33.1 | 81.8 | 233.1 | 210.0 | 558.0 |
| KANCHIPURAM | 24.3 | 30.4 | 535.2 | 315.4 | 905.3 |
| KANYAKUMARI | 95.0 | 122.5 | 503.5 | 480.4 | 1201.4 |
| KARUR | 16.3 | 59.1 | 164.7 | 220.6 | 460.7 |
| KRISHNAGIRI | 7.2 | 145.4 | 378.2 | 235.2 | 766.0 |
| MADURAI | 43.6 | 110.2 | 189.9 | 266.5 | 610.2 |
| NAGAPATTINAM | 53.8 | 39.7 | 316.1 | 620.3 | 1029.9 |
| NAMAKKAL | 9.1 | 63.7 | 317.0 | 232.6 | 622.4 |
| NILGIRI | 17.8 | 246.0 | 872.3 | 398.1 | 1534.2 |
| PERAMBALUR | 13.1 | 60.6 | 340.1 | 312.1 | 725.9 |
| PUDUKKOTTAI | 34.6 | 89.9 | 286.5 | 202.8 | 613.8 |
| RAMANATHAPURAM | 95.5 | 78.2 | 73.1 | 333.1 | 579.9 |
| SALEM | 13.0 | 70.1 | 492.2 | 255.6 | 830.9 |
| SIVAGANGA | 59.2 | 131.6 | 269.4 | 264.6 | 724.8 |
| THANJAVUR | 29.3 | 75.0 | 299.6 | 311.8 | 715.7 |
| THENI | 44.6 | 176.3 | 371.5 | 257.9 | 850.3 |
| TIRUNELVELI | 98.9 | 169.7 | 237.0 | 412.8 | 918.4 |
| TIRUPUR | 38.2 | 35.8 | 37.1 | 166.6 | 277.7 |
| TIRUVALLUR | 55.2 | 59.4 | 612.7 | 339.9 | 1067.2 |
| TIRUVANNAMALAI | 4.0 | 72.4 | 405.2 | 331.5 | 813.1 |
| TIRUVARUR | 39.1 | 132.3 | 358.6 | 388.4 | 918.4 |
| TOOTHUKUDI | 45.5 | 49.9 | 13.8 | 301.6 | 410.8 |
| TRICHY | 6.5 | 58.2 | 207.9 | 250.3 | 522.9 |
| VELLORE | 20.9 | 112.0 | 455.1 | 204.6 | 792.6 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------------|--------|-------------|---------|--------------|--------|
| VILUPPURAM | 5.9 | 33.0 | 404.0 | 347.6 | 790.5 |
| VIRUDHUNAGAR | 42.3 | 89.0 | 189.5 | 296.7 | 617.5 |
| TRIPURA | | | | | |
| DHALAI | 4.3 | 811.7 | 944.4 | 108.5 | 1868.9 |
| NORTH TRIPURA | 4.4 | 957.0 | 1304.2 | 169.9 | 2435.5 |
| SOUTH TRIPURA | 3.3 | 742.6 | 1156.4 | 147.3 | 2049.6 |
| WEST TRIPURA | 8.6 | 687.2 | 941.0 | 180.4 | 1817.2 |
| UTTAR PRADESH | | | | | |
| AGRA | 37.8 | 6.0 | 578.8 | 88.4 | 711.0 |
| ALIGARH | 52.4 | 18.5 | 531.8 | 47.8 | 650.5 |
| ALLAHABAD | 68.1 | 3.5 | 941.8 | 220.9 | 1234.3 |
| AMBEDKAR NAGAR | 26.8 | 9.2 | 1146.2 | 154.0 | 1336.2 |
| AURAIYA | 16.8 | 0.0 | 640.8 | 36.0 | 693.6 |
| AZAMGARH | 48.4 | 9.5 | 652.8 | 151.7 | 862.4 |
| BADAUN | 47.5 | 3.9 | 549.4 | 62.4 | 663.2 |
| BAGHPAT | 131.3 | 8.0 | 525.0 | 60.8 | 725.1 |
| BAHRAICH | 89.0 | 49.5 | 1089.5 | 33.8 | 1261.8 |
| BALLIA | 32.3 | 20.9 | 575.1 | 158.2 | 786.5 |
| BALRAMPUR | 65.9 | 0.0 | 1174.8 | 54.5 | 1295.2 |
| BANDA | 78.8 | 3.9 | 1084.4 | 121.9 | 1289.0 |
| BARABANKI | 105.4 | 5.8 | 746.8 | 34.3 | 892.3 |
| BAREILLY | 87.3 | 12.3 | 1135.2 | 53.7 | 1288.5 |
| BASTI | 28.4 | 17.8 | 1198.0 | 129.4 | 1373.6 |
| BIJNOR | 153.9 | 15.1 | 874.3 | 55.8 | 1099.1 |
| BULANDSHAHAR | 99.3 | 12.7 | 393.3 | 25.4 | 530.7 |
| CHANDAULI | 55.2 | 23.8 | 533.4 | 69.2 | 681.6 |
| DEORIA | 21.5 | 15.5 | 581.0 | 229.3 | 847.3 |
| ETAH | 49.6 | 1.7 | 541.3 | 60.0 | 652.6 |
| ETAWAH | 26.5 | 0.0 | 624.2 | 31.0 | 681.7 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|---------------------|--------|-------------|---------|--------------|--------|
| FAIZABAD | 38.7 | 0.3 | 876.7 | 42.5 | 958.2 |
| FARRUKHABAD | 53.4 | 0.0 | 661.6 | 45.6 | 760.6 |
| FATEHPUR | 96.5 | 0.0 | 924.9 | 69.5 | 1090.9 |
| FIROZABAD | 44.4 | 0.0 | 710.9 | 86.4 | 841.7 |
| GAUTAM BUDDHA NAGAR | 87.0 | 1.0 | 251.0 | 20.0 | 359.0 |
| GHAZIABAD | 109.6 | 9.4 | 350.3 | 12.8 | 482.1 |
| GHAZIPUR | 57.1 | 35.3 | 772.6 | 217.2 | 1082.2 |
| GONDA | 95.0 | 13.1 | 1054.5 | 125.3 | 1287.9 |
| GORAKHPUR | 64.9 | 38.1 | 1209.2 | 158.8 | 1471.0 |
| HAMIRPUR | 97.4 | 7.3 | 919.5 | 112.3 | 1136.5 |
| HARDOI | 42.9 | 3.9 | 685.6 | 38.7 | 771.1 |
| JALAUN | 85.1 | 1.7 | 756.7 | 159.3 | 1002.8 |
| JAUNPUR | 47.4 | 2.2 | 529.3 | 147.9 | 726.8 |
| JHANSI | 91.6 | 7.8 | 929.8 | 174.9 | 1204.1 |
| JYOTIBA PHULE NAGAR | 87.4 | 9.8 | 485.6 | 27.5 | 610.3 |
| KANNAUJ | 83.0 | 2.0 | 945.6 | 70.6 | 1101.2 |
| KANPUR CITY | 107.1 | 0.8 | 812.7 | 103.3 | 1023.9 |
| KANPUR DEHAT | 106.8 | 0.0 | 523.3 | 60.4 | 690.5 |
| KANSHIRAM NAGAR | 81.0 | 1.0 | 748.5 | 97.0 | 927.5 |
| KAUSHAMBI | 77.7 | 0.0 | 518.4 | 70.8 | 666.9 |
| KHERI | 110.1 | 16.7 | 1085.5 | 48.5 | 1260.8 |
| KUSHI NAGAR | 29.5 | 18.5 | 382.3 | 95.5 | 525.8 |
| LALITPUR | 95.8 | 11.0 | 1486.9 | 91.0 | 1684.7 |
| LUCKNOW | 62.8 | 0.3 | 682.7 | 44.1 | 789.9 |
| MAHAMAYA NAGAR | 39.0 | 2.0 | 475.0 | 59.5 | 575.5 |
| MAHARAJGANJ | 11.3 | 30.1 | 688.1 | 101.2 | 830.7 |
| MAHOBA | 64.6 | 0.0 | 739.8 | 66.4 | 870.8 |
| MAINPURI | 49.2 | 0.0 | 665.7 | 80.6 | 795.5 |
| MATHURA | 55.0 | 0.0 | 345.5 | 35.3 | 435.8 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------------|--------|-------------|---------|--------------|--------|
| MAU | 26.0 | 24.6 | 484.8 | 139.5 | 674.9 |
| MEERUT | 135.1 | 28.4 | 696.3 | 64.0 | 923.8 |
| MIRZAPUR | 66.5 | 18.0 | 815.1 | 143.7 | 1043.3 |
| MORADABAD | 73.8 | 11.6 | 1071.1 | 49.2 | 1205.7 |
| MUZAFFARNAGAR | 195.4 | 18.7 | 766.9 | 82.7 | 1063.7 |
| PILIBHIT | 75.6 | 1.0 | 732.5 | 42.4 | 851.5 |
| PRATAPGARH | 95.7 | 5.7 | 1062.3 | 105.6 | 1269.3 |
| RAE BAREILLY | 51.3 | 3.2 | 800.9 | 64.5 | 919.9 |
| RAMPUR | 64.8 | 4.4 | 655.6 | 37.5 | 762.3 |
| SAHARANPUR | 256.5 | 0.0 | 1188.7 | 96.7 | 1541.9 |
| SAHUJI MAHARAJ NAGAR | 77.1 | 4.0 | 1134.2 | 103.0 | 1318.3 |
| SANT KABIR NAGAR | 29.0 | 24.0 | 919.0 | 143.0 | 1115.0 |
| SANT RAVIDAS NAGAR | 40.0 | 8.0 | 597.0 | 191.0 | 836.0 |
| SHAHJAHANPUR | 100.9 | 4.4 | 967.0 | 52.9 | 1125.2 |
| SHRAWASTI NAGAR | 32.5 | 0.0 | 1095.6 | | |
| SIDDHARTH NAGAR | 24.0 | 7.5 | 1315.8 | 55.6 | 1402.9 |
| SITAPUR | 59.1 | 0.0 | 942.6 | 26.0 | 1027.7 |
| SONBHADRA | 49.2 | 43.2 | 819.1 | 110.8 | 1022.3 |
| SULTANPUR | 47.1 | 2.6 | 1023.3 | 59.0 | 1132.0 |
| UNNAO | 133.3 | 0.9 | 704.1 | 102.8 | 941.1 |
| VARANASI | 76.2 | 18.7 | 772.6 | 161.6 | 1029.1 |
| UTTARAKHAND | | | | | |
| ALMORA | 216.6 | 31.3 | 868.6 | 47.1 | 1163.6 |
| BAGESHWAR | 270.8 | 44.6 | 1329.7 | 21.8 | 1666.9 |
| CHAMOLI | 247.0 | 70.3 | 1563.4 | 31.5 | 1912.2 |
| CHAMPAWAT | 194.7 | 21.5 | 1220 | 40.5 | 1476.7 |
| DEHRADUN | 282.9 | 35.8 | 2335.4 | 63.5 | 2717.6 |
| GARHWAL PAURI | 238.1 | 18.9 | 809.5 | 2.5 | 1069 |
| GARHWAL TEHRI | 297.5 | 69.4 | 918.4 | 14.1 | 1299.4 |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------|--------|-------------|---------|--------------|--------|
| HARDWAR | 270 | 8.5 | 1153.5 | 32.8 | 1464.8 |
| NAINITAL | 271.2 | 64.9 | 1770.8 | 27 | 2133.9 |
| PITHORAGARH | 246.8 | 136.8 | 1424.1 | 45 | 1852.7 |
| RUDRAPRAYAG | 282.2 | 55.2 | 1470.5 | 23.8 | 1831.7 |
| UDHAM SINGH NAGAR | 146.3 | 16.2 | 1092.8 | 72 | 1327.3 |
| UTTARKASHI | 333.5 | 101 | 1528.4 | 51.8 | 2014.7 |
| WEST BENGAL | | | | | |
| BANKURA | 15.9 | 437.9 | 1288.7 | 398.0 | 2140.5 |
| BIRBHAM | 16.3 | 199.4 | 831.1 | 327.5 | 1374.3 |
| BURDWAN | 24.3 | 221.2 | 947.5 | 342.5 | 1535.5 |
| COOCH BEHAR | 16.5 | 369.8 | 1873.3 | 186.0 | 2445.6 |
| DARJEELING | 31.8 | 553.7 | 2153.0 | 232.0 | 2970.5 |
| EAST MIDNAPORE | 6.2 | 238.2 | 1429.8 | 479.1 | 2153.3 |
| HOOGHLY | 11.0 | 152.6 | 918.9 | 282.8 | 1365.3 |
| HOWRAH | 15.4 | 149.5 | 1337.4 | 352.6 | 1854.9 |
| JALPAIGURI | 15.1 | 445.3 | 2804.6 | 207.7 | 3472.7 |
| KOLKATA | 22.1 | 154.8 | 1745.3 | 523.1 | 2445.3 |
| MALDA | 15.0 | 110.0 | 889.4 | 223.2 | 1237.6 |
| MURSHIDABAD | 1.0 | 226.8 | 796.4 | 204.0 | 1228.2 |
| NADIA | 15.4 | 190.5 | 856.9 | 225.0 | 1287.8 |
| NORTH 24 PARGANAS | 14.4 | 290.7 | 1185.3 | 337.4 | 1827.8 |
| NORTH DINAJPUR | 7.5 | 178.1 | 1225.0 | 169.3 | 1579.9 |
| PURULIA | 14.5 | 347.9 | 984.1 | 434.6 | 1781.1 |
| SOUTH 24 PARGANAS | 9.6 | 252.5 | 1649.2 | 388.8 | 2300.1 |
| SOUTH DINAJPUR | 9.0 | 164.9 | 807.9 | 188.6 | 1170.4 |
| WEST MIDNAPORE | 11.0 | 277.2 | 1272.8 | 391.7 | 1952.7 |

Table 19: % Departures of District-wise seasonal and annual rainfall – 2013

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------------|--------|-------------|---------|--------------|--------|
| A & N ISLAND | | | | | |
| NICOBAR | 94% | -25% | 34% | -26% | 7% |
| NORTH & MIDDLE ANDAMAN | -81% | 70% | 44% | 129% | 62% |
| SOUTH AND AMAN | 9% | 28% | 6% | -15% | 5% |
| ANDHRA PRADESH | | | | | |
| ADILABAD | 210% | -51% | 42% | 70% | 44% |
| ANANTAPUR | 17% | -36% | 9% | -44% | -12% |
| CHITTOOR | 211% | -3% | 7% | -28% | -5% |
| CUDDAPAH | 516% | -35% | 0% | -11% | -4% |
| EAST GODAVARI | 31% | -28% | -33% | 98% | 1% |
| GUNTUR | 514% | -36% | 12% | 80% | 33% |
| HYDERABAD | 41% | 27% | 15% | 94% | 28% |
| KARIMNAGAR | 204% | -31% | 34% | 140% | 46% |
| KHAMMAM | 76% | -32% | 36% | 85% | 37% |
| KRISHNA | 609% | 12% | -1% | 92% | 28% |
| KURNOOL | 306% | 9% | 6% | -13% | 4% |
| MAHBUBNAGAR | 294% | -41% | 9% | 127% | 25% |
| MEDAK | 99% | -28% | 7% | 91% | 16% |
| NALGONDA | 618% | -35% | 19% | 172% | 51% |
| NELLORE | 90% | -27% | 9% | -40% | -20% |
| NIZAMABAD | 273% | -2% | 19% | 37% | 23% |
| PRAKASAM | 190% | -43% | 31% | 19% | 22% |
| RANGAREDDY | 145% | -1% | 0% | 104% | 15% |
| SRIKAKULAM | -95% | -12% | -16% | 144% | 22% |
| VISHAKHAPATNAM | -53% | -55% | -29% | 96% | -3% |
| VIZIANAGARAM | -92% | -36% | -26% | 59% | -10% |
| WARANGAL | 73% | -56% | 32% | 119% | 38% |
| WEST GODAVARI | 46% | -53% | -30% | 42% | -13% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------------|--------|-------------|---------|--------------|--------|
| ARUNACHAL PRADESH | | | | | |
| ANJAW | | | | | |
| CHANGLANG | -92% | -57% | -31% | -63% | -48% |
| DIBANG VALLEY | -42% | -7% | -43% | 13% | -23% |
| EAST KAMENG | -84% | -48% | -27% | -54% | -38% |
| EAST SIANG | -71% | -15% | -16% | -6% | -17% |
| KURUNG KUMEY | | | | | |
| LOHIT | -69% | 10% | -26% | -41% | -19% |
| LOWER DIBANG VALLEY | -76% | -12% | | 15% | |
| LOWER SUBANSIRI | | -56% | | | |
| PAPUMPARA | -80% | -8% | -26% | -37% | -24% |
| TAWANG | -48% | 65% | -59% | -36% | -37% |
| TIRAP | -89% | -16% | -30% | -36% | -29% |
| UPPER SIANG | -43% | 4% | -23% | -43% | -19% |
| UPPER SUBANSIRI | -55% | 52% | -21% | 11% | -2% |
| WEST KAMENG | -28% | -20% | -48% | -51% | -43% |
| WEST SIANG | -48% | 14% | -23% | -38% | -17% |
| ASSAM | | | | | |
| BAKSA | -73% | -32% | -60% | -49% | -55% |
| BARPETA | -66% | -18% | -37% | -27% | -33% |
| BONGAIGAON | -79% | -9% | -36% | -6% | -29% |
| CACHAR | -95% | 7% | -21% | -19% | -15% |
| CHIRANG | -67% | -27% | -35% | -20% | -33% |
| DARRANG | -65% | -89% | | -28% | |
| DHEMAMI | | -19% | -38% | -66% | |
| DHUBRI | -60% | -34% | -48% | -33% | -44% |
| DIBRUGARH | -86% | 16% | -14% | -2% | -8% |
| GOALPARA | -64% | 23% | -35% | -48% | -22% |
| GOLAGHAT | -78% | -16% | -19% | 9% | -17% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------|--------|-------------|---------|--------------|--------|
| HAILAKANDI | -93% | -11% | -30% | -14% | -25% |
| JORHAT | -82% | -9% | -5% | -10% | -9% |
| KAMRUP | -59% | -21% | -22% | -9% | -21% |
| KAMRUP METRO. | -72% | -25% | -44% | 16% | -35% |
| KARBI ANGLONG | -89% | 19% | -6% | -43% | -7% |
| KARIMGANJ | -89% | -46% | -27% | -54% | -36% |
| KOKRAJHAR | -51% | -14% | -28% | 13% | -24% |
| LAKHIMPUR | -82% | -13% | -14% | -35% | -17% |
| MORIGAON | -81% | -9% | -5% | -33% | -10% |
| N. C. HILLS | -81% | -2% | -16% | -63% | -20% |
| NAGAON | -69% | -18% | -36% | -21% | -32% |
| NALBARI | -67% | -29% | -41% | 7% | -35% |
| SHONITPUR | -72% | 5% | -7% | -44% | -8% |
| SIBSAGAR | -83% | 15% | -6% | -13% | -4% |
| TINSUKIA | -84% | 17% | -25% | 10% | -14% |
| UDALGURI | -48% | -10% | 8% | -45% | -1% |
| BIHAR | | | | | |
| ARARIA | 129% | 27% | 11% | 141% | 22% |
| ARWAL | 81% | 443% | -11% | 249% | 14% |
| AURANGABAD | 69% | 46% | -34% | 104% | -23% |
| BANKA | | | -8% | 222% | |
| BEGUSARAI | 7% | 53% | -41% | 207% | -17% |
| BHABUA | | | -35% | 76% | |
| BHAGALPUR | -49% | 104% | -23% | 215% | 7% |
| BHOJPUR | | | -31% | 401% | |
| BUXAR | | | -44% | 128% | |
| DARBHANGA | | | -38% | 163% | |
| EAST CHAMPARAN | 108% | 142% | -30% | 172% | -3% |
| GAYA | -58% | 280% | -52% | 137% | -29% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|---------------------|--------|-------------|---------|--------------|--------|
| GOPALGANJ | 66% | -6% | -44% | 233% | -23% |
| JAHANABAD | -38% | 102% | -33% | 105% | -19% |
| JAMU I | -65% | 142% | -30% | 162% | -8% |
| KATIHAR | -32% | 5% | -22% | 294% | 0% |
| KHAGARIA | -60% | -10% | -33% | 59% | -25% |
| KISHANGANJ | | -16% | 33% | 32% | |
| LAKHISARAI | -74% | 65% | -59% | 0% | -47% |
| MADHEPURA | -50% | -12% | -14% | 237% | 2% |
| MADHUBANI | | | -44% | 106% | |
| MONGHYR | -100% | 57% | -29% | 117% | -14% |
| MUZAFFARPUR | 169% | 134% | -54% | 202% | -20% |
| NALANDA | -35% | 138% | -28% | 170% | -9% |
| NAWADA | -100% | 98% | -51% | 93% | -35% |
| PATNA | 120% | 192% | -40% | 158% | -15% |
| PURNEA | -24% | 10% | -23% | 130% | -10% |
| ROHTAS | 132% | -58% | -4% | 88% | 4% |
| SAHARSA | -38% | -1% | -38% | 34% | -30% |
| SAMASTIPUR | -59% | -36% | -53% | 186% | -37% |
| SARAN | 37% | 116% | -45% | 227% | -18% |
| SHEIKHPURA | -84% | 63% | -56% | 91% | -41% |
| SHEOHAR | 125% | 61% | -56% | 94% | -34% |
| SITAMARHI | 198% | 31% | -61% | 86% | -40% |
| SIWAN | | | -17% | 575% | |
| SUPAUL | 30% | -28% | -4% | 107% | 1% |
| VAISHALI | 66% | 115% | -63% | 109% | -41% |
| WEST CHAMPARAN | 26% | 116% | -21% | 75% | -7% |
| CHANDIGARH | | | | | |
| CHANDIGARH | 53% | -50% | -6% | -27% | -6% |
| CHHATTISGARH | | | | | |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------|--------|-------------|---------|--------------|--------|
| BASTAR | -11% | 34% | -4% | 84% | 5% |
| BIJAPUR | 35% | 244% | 74% | 120% | 82% |
| BILASPUR | -26% | 24% | 0% | 284% | 18% |
| DANTEWADA | -12% | 143% | 11% | 97% | 22% |
| DHAMTARI | 49% | -60% | 16% | 226% | 25% |
| DURG | 12% | -40% | 34% | 176% | 40% |
| JANJGIR | -9% | 14% | -22% | 306% | -7% |
| JASHPUR | -28% | 29% | -50% | 133% | -35% |
| KANKER | -100% | -51% | 11% | 162% | 16% |
| KORBA | 44% | -28% | -24% | 186% | -12% |
| KORIYA | 128% | 395% | 16% | 214% | 31% |
| KOWARDHA | 6% | 67% | -14% | 173% | 4% |
| MAHASAMUND | 83% | 5% | 28% | 123% | 32% |
| NARAYANPUR | -74% | -40% | 14% | 36% | 12% |
| RAIGARH | -100% | -51% | -11% | 204% | -4% |
| RAIPUR | -42% | -8% | 21% | 114% | 24% |
| RAJNANDGAON | 57% | -100% | 19% | 107% | 22% |
| SURGUJA | 66% | 54% | -51% | 76% | -39% |
| DELHI | | | | | |
| CENTRAL DELHI | 187% | -63% | 9% | 84% | 16% |
| EAST DELHI | 102% | -95% | -21% | 87% | -15% |
| NEW DELHI | 314% | -50% | 33% | 117% | 45% |
| NORTH DELHI | 259% | -71% | -5% | 61% | 5% |
| NORTH EAST DELHI | 13% | -98% | -61% | -100% | -62% |
| NORTH WEST DELHI | 353% | -82% | -11% | -18% | 1% |
| SOUTH DELHI | 200% | -57% | -24% | 46% | -13% |
| SOUTH WEST DELHI | 216% | -67% | -9% | 60% | 1% |
| WEST DELHI | 200% | -63% | -38% | 56% | -25% |
| DIU | | | | | |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------------|--------|-------------|---------|--------------|--------|
| DIU | -100% | -100% | 26% | 108% | 31% |
| DNH & DAMAN | | | | | |
| DADARA & NAGAR HAVELI | | | 24% | | |
| DAMAN | | | -3% | | |
| GOA | | | | | |
| NORTH GOA | 3825% | -32% | 12% | -7% | 10% |
| SOUTH GOA | 1150% | -1% | 15% | -2% | 13% |
| GUJARAT | | | | | |
| AHMEDABAD | -100% | 51% | 42% | 119% | 45% |
| AMRELI | -100% | 677% | 50% | 105% | 59% |
| ANAND | -100% | -68% | 44% | -43% | 39% |
| BANASKANTHA | 44% | 40% | 55% | 215% | 61% |
| BARODA | -100% | -90% | 48% | -1% | 45% |
| BHAVNAGAR | -100% | 950% | 55% | 51% | 61% |
| BROACH | -100% | -98% | 43% | 31% | 41% |
| DAHOD | -100% | -56% | -12% | 27% | -11% |
| DANGS | -88% | -83% | -19% | -42% | -20% |
| GANDHINagar | 280% | -76% | 35% | 174% | 39% |
| JAMNAGAR | 19% | -98% | 94% | 24% | 88% |
| JUNAGARH | -100% | -63% | 42% | 88% | 44% |
| KHEDA | -100% | 10% | 18% | 93% | 21% |
| KUTCH | 238% | -9% | 75% | -40% | 68% |
| MEHSANA | -26% | -70% | 27% | 155% | 31% |
| NARMADA | -100% | -100% | 49% | 35% | 47% |
| NAVSARI | -100% | -71% | 11% | -26% | 10% |
| PANCH MAHAL | -100% | 27% | 12% | 80% | 15% |
| PATAN | -100% | -29% | 38% | 188% | 42% |
| PORBANDAR | -100% | -100% | 54% | 90% | 55% |
| RAJKOT | -100% | 90% | 82% | 8% | 78% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------------|--------|-------------|---------|--------------|--------|
| SABARKANTHA | 135% | 138% | 32% | 205% | 39% |
| SURAT | -100% | -81% | 52% | 19% | 50% |
| SURENDRANAGAR | 50% | 33% | 28% | -19% | 26% |
| TAPI | -100% | -100% | 12% | 40% | 12% |
| VALSAD | -100% | -69% | 41% | -8% | 39% |
| HARYANA | | | | | |
| AMBALA | 96% | -34% | -18% | -62% | -14% |
| BHIWANI | 150% | -78% | -39% | -42% | -30% |
| FARIDABAD | -11% | -92% | -2% | -86% | -11% |
| FATEHABAD | 52% | -63% | -33% | -70% | -31% |
| GURGAON | 192% | -76% | -30% | -100% | -26% |
| HISAR | 84% | -40% | 7% | -67% | 3% |
| JHAIJAR | 77% | -100% | -37% | -89% | -36% |
| JIND | 241% | -63% | -15% | -91% | -5% |
| KAITHAL | 46% | -71% | -21% | -65% | -22% |
| KARNAL | 130% | -77% | -6% | -56% | -3% |
| KURUKSHETRA | 32% | -65% | -61% | -80% | -56% |
| MAHENDRAGARH | 311% | -100% | -21% | -96% | -14% |
| MEWAT | 421% | -99% | -32% | -50% | -20% |
| PALWAL | 396% | -96% | -26% | -10% | -14% |
| PANCHKULA | 33% | -81% | -41% | -40% | -38% |
| PANIPAT | 287% | -86% | -56% | -37% | -37% |
| REWARI | 92% | -46% | -13% | 116% | -5% |
| ROHTAK | -85% | -62% | -56% | -37% | -57% |
| SIRSA | -65% | -63% | -32% | -95% | -42% |
| SONEPAT | 277% | -98% | -25% | 24% | -11% |
| YAMUNA NAGAR | 182% | -60% | 18% | -26% | 22% |
| HIMACHAL PRADESH | | | | | |
| BILASPUR | 47% | -24% | -5% | -32% | -3% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------------------|--------|-------------|---------|--------------|--------|
| CHAMBA | 19% | -41% | -44% | -21% | -34% |
| HAMIRPUR | 24% | -19% | 1% | -22% | 0% |
| KANGRA | 6% | -25% | 23% | 50% | 19% |
| KINNAUR | 88% | -32% | 74% | -77% | 26% |
| KULLU | 110% | -31% | 23% | -31% | 19% |
| LAHAUL & SPITI | -23% | -59% | -74% | -81% | -59% |
| MANDI | 48% | -39% | 9% | -32% | 4% |
| SHIMLA | 105% | -37% | -9% | -41% | -1% |
| SIRMAUR | 172% | -56% | 5% | -19% | 12% |
| SOLAN | 100% | -38% | -19% | -14% | -8% |
| UNA | 22% | -34% | 38% | 41% | 31% |
| JAMMU & KASHMIR | | | | | |
| ANANTNAG | 33% | -26% | 6% | -11% | -3% |
| BADGAM | 42% | -26% | 13% | -36% | -4% |
| BANDIPORE | | | | | |
| BARAMULA | -1% | -33% | 26% | -63% | -17% |
| DODA | 41% | -54% | 45% | -29% | 2% |
| GANDERWAL | 66% | 40% | 47% | -11% | 39% |
| JAMMU | 54% | -68% | 28% | 19% | 18% |
| KARGIL | -65% | -92% | -96% | -100% | -89% |
| KATHUA | 25% | -21% | 36% | 239% | 41% |
| KISTWAR | | | | | |
| KULGAM | 83% | -34% | -16% | -39% | -10% |
| KUPWARA | 31% | -44% | 15% | -70% | -20% |
| LADAKH (LEH) | -34% | -54% | -51% | -57% | -50% |
| POONCH | 31% | -59% | -28% | -76% | -28% |
| PULWAMA | 63% | -15% | 6% | -25% | 4% |
| RAJOURI | 71% | -8% | -9% | 16% | 4% |
| RAMBAN | 32% | -46% | 6% | -58% | -12% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|---------------------|--------|-------------|---------|--------------|--------|
| REASI | 52% | -13% | 74% | 76% | 64% |
| SAMBA | 15% | -79% | 48% | -37% | 24% |
| SHOPIAN | 73% | -34% | -22% | -51% | -16% |
| SRINAGAR | 50% | -9% | 70% | -54% | 17% |
| UDHAMPUR | -22% | -50% | -41% | -29% | -39% |
| JHARKHAND | | | | | |
| BOKARO | 5% | 135% | -20% | 279% | 13% |
| CHATRA | | | -51% | 195% | |
| DEOGHAR | -31% | 86% | -25% | 192% | -2% |
| DHANBAD | -18% | 44% | -25% | 145% | -6% |
| DUMKA | | | -40% | | |
| EAST SINGHBIHUM | -63% | 93% | 19% | 305% | 43% |
| GARHWA | | | -39% | 73% | |
| GIRIDIH | -26% | 88% | -33% | 183% | -10% |
| GODDA | | | 3% | 188% | |
| GUMLA | | | -9% | | |
| HAZARIBAG | 3% | 99% | -31% | 149% | -9% |
| JAMTARA | -26% | 59% | -25% | 65% | -10% |
| KHUNTI | | | -21% | 198% | |
| KODERMA | | | -25% | 140% | |
| LATEHAR | | | -4% | 290% | |
| LOHARDAGA | -100% | | -3% | 221% | |
| PAKUR | | | -15% | 172% | |
| PALAMU | -31% | -67% | -32% | 281% | -17% |
| RAMGARH | -96% | 27% | -26% | 350% | 2% |
| RANCHI | -44% | -39% | -38% | 198% | -21% |
| SAHIBGANJ | -55% | 63% | -9% | 83% | 2% |
| SERAIKELA-KHARSAWAN | | | -24% | | |
| SIMDEGA | | | -10% | | |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------|--------|-------------|---------|--------------|--------|
| WEST SINGBHUM | -69% | 20% | -19% | 386% | 8% |
| KARNATAKA | | | | | |
| BAGALKOTE | -58% | -5% | -16% | -13% | -14% |
| BANGALORE RURAL | -8% | 17% | 13% | -19% | 4% |
| BANGALORE URBAN | -56% | -8% | 3% | -31% | -8% |
| BELGAM | 169% | -33% | 7% | -48% | -8% |
| BELLARY | 57% | 5% | 1% | -17% | -3% |
| BIDAR | 12% | -12% | 12% | 19% | 11% |
| BIJAPUR | -49% | -27% | 6% | -33% | -7% |
| CHAMARAJANAGAR | -96% | -24% | 11% | -34% | -14% |
| CHICKBALLAPUR | 152% | -9% | -14% | -31% | -17% |
| CHIKMAGALUR | 586% | 0% | 15% | -61% | 6% |
| CHITRADURGA | 81% | 36% | 44% | -63% | 11% |
| DAKSHIN KANNADA | 900% | -26% | 11% | 15% | 9% |
| DAVANGERERE | 147% | 77% | 40% | -58% | 21% |
| DHARWAD | -4% | -8% | 0% | -57% | -13% |
| GADAG | -100% | 6% | -6% | -50% | -15% |
| GULBARGA | 68% | 10% | 9% | -38% | 2% |
| HASSAN | 308% | -1% | 21% | -45% | 3% |
| HAVERI | 2688% | -12% | 16% | -58% | -2% |
| KODAGU | 192% | -20% | 20% | -35% | 11% |
| KOLAR | 129% | 5% | -8% | -23% | -9% |
| KOPPAL | 213% | 0% | 9% | 16% | 10% |
| MANDYA | 184% | 2% | 2% | -33% | -8% |
| MYSORE | -70% | -26% | 21% | -21% | -4% |
| RAICHUR | 321% | 18% | 17% | -7% | 14% |
| RAMANAGARA | -84% | -14% | 14% | -48% | -10% |
| SHIMOGA | 2389% | -4% | 63% | -21% | 51% |
| TUMKUR | 7% | -14% | 15% | -40% | -6% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------------|--------|-------------|---------|--------------|--------|
| UDUPI | 850% | -25% | 15% | 10% | 13% |
| UTTAR KANNADA | 4125% | -37% | 23% | 0% | 19% |
| YADGIR | -26% | -13% | -7% | -11% | -8% |
| KERALA | | | | | |
| ALAPUZHA | 148% | -52% | 21% | -35% | -1% |
| CANNUR | 689% | -45% | 29% | 10% | 21% |
| ERNAKULAM | 124% | -46% | 34% | 17% | 21% |
| IDUKKI | -57% | -40% | 47% | -22% | 23% |
| KASARGOD | 2421% | -34% | 3% | -35% | -1% |
| KOLLAM | 33% | -36% | 33% | -15% | 8% |
| KOTTAYAM | 3% | -18% | 36% | 14% | 23% |
| KOZHIKODE | 595% | -28% | 22% | -10% | 14% |
| MALAPPURAM | 38% | -56% | 30% | -13% | 13% |
| PALAKKAD | 363% | -56% | 33% | -27% | 12% |
| PATHANAMTHITTA | -49% | -47% | 12% | -5% | -4% |
| THIRUVANANTHAPURAM | 82% | -46% | 27% | -11% | 2% |
| THRISSUR | 329% | -56% | 12% | 9% | 4% |
| WYNAD | -12% | -13% | 2% | -31% | -3% |
| LAKSHADWEEP | | | | | |
| LAKSHADWEEP | 71% | -44% | 6% | -47% | -11% |
| MADHYA PRADESH | | | | | |
| ALIRAJPUR | -100% | 14% | 64% | 85% | 63% |
| ANUPPUR | 36% | -19% | -20% | 191% | -6% |
| ASHOKNAGAR | 422% | 127% | 46% | 179% | 59% |
| BALAGHAT | -35% | -18% | -4% | 25% | -4% |
| BARWANI | -100% | -33% | 41% | -37% | 33% |
| BETUL | 101% | -79% | 69% | 27% | 64% |
| BHIND | 160% | -92% | 39% | 112% | 44% |
| BHOPAL | 32% | 222% | 27% | -49% | 26% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------|--------|-------------|---------|--------------|--------|
| BURHANPUR | 662% | -100% | 71% | 30% | 67% |
| CHHATARPUR | 111% | -77% | 29% | 213% | 39% |
| CHINDWARA | -12% | -90% | 38% | 122% | 38% |
| DAMOH | -13% | -29% | 54% | 88% | 52% |
| DATIA | 443% | -37% | 26% | 61% | 36% |
| DEWAS | 176% | -72% | 40% | -24% | 37% |
| DHAR | 51% | -65% | 39% | 184% | 46% |
| DINDORI | 21% | -58% | -8% | 0% | -8% |
| GUNA | 252% | 79% | 60% | 38% | 63% |
| GWALIOR | 235% | -78% | 7% | 90% | 16% |
| HARDA | 270% | -96% | 62% | 45% | 63% |
| HOSHANGABAD | 234% | 52% | 51% | -7% | 51% |
| INDORE | 37% | 75% | 75% | 107% | 77% |
| JABALPUR | 133% | 108% | 75% | 68% | 77% |
| JHABUA | -100% | -100% | 60% | 79% | 59% |
| KATNI | 19% | -52% | 17% | 69% | 18% |
| KHANDWA | 79% | -97% | 65% | -43% | 55% |
| KHARGONE | 132% | -100% | 27% | 6% | 25% |
| MANDLA | 2% | 38% | 28% | 103% | 31% |
| MANDSAUR | 172% | -35% | 35% | -34% | 31% |
| MORENA | 37% | -100% | 34% | 115% | 36% |
| NARSINGHPUR | 88% | -53% | 49% | 329% | 59% |
| NEEMUCH | 130% | -86% | 51% | 216% | 59% |
| PANNA | -84% | -100% | 32% | 329% | 38% |
| RAISEN | -92% | 25% | 35% | 48% | 33% |
| RAJGARH | 186% | 139% | 63% | 18% | 63% |
| RATLAM | 38% | 16% | 41% | 74% | 43% |
| REWA | 46% | 2% | 31% | 211% | 38% |
| SAGAR | -38% | 43% | 69% | -8% | 62% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------|--------|-------------|---------|--------------|--------|
| SATNA | 18% | -12% | 20% | 211% | 28% |
| SEHORE | 70% | 80% | 32% | -52% | 28% |
| SEONI | 8% | 83% | 43% | 80% | 46% |
| SHAHDOL | 114% | -71% | -19% | 231% | -5% |
| SHAJAPUR | 158% | 50% | 46% | -12% | 44% |
| SHEOPUR | 259% | -85% | 24% | 87% | 29% |
| SHIVPURI | 206% | -88% | 56% | 18% | 55% |
| SIDHI | 77% | 41% | 11% | 96% | 18% |
| SINGRAULI | 146% | 56% | -2% | 161% | 12% |
| TIKAMGARH | 167% | -44% | 30% | 177% | 40% |
| UJJAIN | 112% | 248% | 40% | 13% | 41% |
| UMARIA | 70% | 68% | -9% | -23% | -5% |
| VIDISHA | 12% | 151% | 53% | -38% | 49% |
| MAHARASHTRA | | | | | |
| AHMEDNAGAR | -47% | -100% | 20% | -27% | 5% |
| AKOLA | 125% | -89% | 63% | 102% | 64% |
| AMRAOTI | 24% | -40% | 25% | 30% | 24% |
| AURANGABAD | -80% | -89% | 1% | 13% | -1% |
| BEED | -100% | -74% | 1% | 1% | -3% |
| BHANDARA | -47% | -80% | 42% | 39% | 37% |
| BULDHANA | -43% | -95% | 30% | -6% | 23% |
| CHANDRAPUR | 46% | -79% | 47% | 138% | 50% |
| DHULE | | -88% | 55% | | |
| GADCHIROLI | -10% | -93% | 56% | 128% | 55% |
| GONDIA | 33% | -51% | 47% | 20% | 43% |
| HINGOLI | | -35% | 21% | | |
| JALGAON | 289% | -86% | 32% | -18% | 27% |
| JALNA | -100% | -100% | 17% | 23% | 13% |
| KOLHAPUR | 172% | -44% | 2% | -61% | -5% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------|--------|-------------|---------|--------------|--------|
| LATUR | 213% | -45% | -2% | 43% | 3% |
| MUMBAI CITY | -100% | -100% | 11% | -22% | 8% |
| MUMBAI SUBURBAN | -100% | -100% | 14% | -9% | 12% |
| NAGPUR | -39% | -75% | 42% | 32% | 35% |
| NANDED | 271% | 7% | 20% | 21% | 22% |
| NANDURBAR | | -66% | 55% | | |
| NASHIK | 200% | -76% | 23% | -13% | 18% |
| OSMANABAD | -90% | -22% | 2% | -38% | -6% |
| PARBHANI | 95% | -22% | 12% | 11% | 11% |
| PUNE | 14% | -95% | 22% | -56% | 9% |
| RAIGAD | -100% | -99% | 18% | -12% | 16% |
| RATNAGIRI | 100% | -66% | 25% | 50% | 26% |
| SANGLI | -76% | -66% | 5% | -54% | -14% |
| SATARA | 0% | -76% | 20% | -67% | 1% |
| SHOLAPUR | -79% | -21% | 9% | -65% | -8% |
| SINDHUDURG | 5375% | -26% | 19% | -26% | 17% |
| THANE | -100% | -16% | 20% | 6% | 19% |
| WARDHA | 61% | -65% | 21% | 31% | 20% |
| WASHIM | 105% | -64% | 43% | 42% | 41% |
| YEOTMAL | -27% | -84% | 37% | 54% | 34% |
| MANIPUR | | | | | |
| BISHNUPUR | -100% | -89% | | -66% | |
| CHANDEL | -100% | -91% | | -80% | |
| CHURACHANDPUR | | -85% | -53% | | |
| IMPHAL EAST | -98% | 16% | -16% | -59% | -15% |
| IMPHAL WEST | | | | -76% | |
| SENAPATI | -63% | | | -51% | |
| TAMENGLONG | | | | | |
| THOUBAL | -93% | 56% | -13% | -44% | -4% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|------------------|--------|-------------|---------|--------------|--------|
| SAWAI MADHOPUR | 136% | -26% | 33% | -53% | 30% |
| SIKAR | 195% | -91% | 10% | 41% | 12% |
| SIROHI | -20% | -49% | -2% | 297% | 5% |
| SRI GANGANAGAR | 281% | -68% | -17% | -57% | -8% |
| TONK | 86% | -90% | 34% | -47% | 29% |
| UDAIPUR | -8% | -67% | 19% | 22% | 17% |
| SIKKIM | | | | | |
| EAST SIKKIM | -59% | 50% | -26% | 25% | -8% |
| NORTH SIKKIM | -55% | 18% | -20% | -3% | -10% |
| SOUTH SIKKIM | -67% | -17% | -37% | -18% | -33% |
| WEST SIKKIM | -68% | -26% | -8% | -50% | -20% |
| TAMILNADU | | | | | |
| ARIYALUR | -78% | -71% | -12% | -48% | -38% |
| CHENNAI | -54% | -51% | 37% | -41% | -16% |
| COIMBATORE | 185% | -19% | 143% | -22% | 30% |
| CUDDALORE | -52% | -27% | 19% | -37% | -19% |
| DHARMAPURI | 21% | 12% | -28% | -5% | -11% |
| DINDIGUL | 10% | -39% | -41% | -50% | -43% |
| ERODE | 106% | -43% | 1% | -33% | -21% |
| KANCHIPURAM | -16% | -54% | 9% | -51% | -26% |
| KANYAKUMARI | 135% | -58% | 5% | -3% | -8% |
| KARUR | -7% | -46% | -23% | -30% | -30% |
| KRISHNAGIRI | -33% | -4% | -5% | -19% | -10% |
| MADURAI | 55% | -24% | -43% | -36% | -34% |
| NAGAPATTINAM | -37% | -51% | 10% | -34% | -26% |
| NAMAKKAL | -35% | -57% | -7% | -20% | -22% |
| NILGIRI | -64% | 5% | 15% | -17% | 1% |
| PERAMBALUR | -39% | -44% | 17% | -29% | -16% |
| PUDUKKOTTAI | 5% | -8% | -18% | -50% | -31% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------------|--------|-------------|---------|--------------|--------|
| RAMANATHAPURAM | 86% | -32% | -51% | -32% | -28% |
| SALEM | -19% | -59% | 12% | -31% | -17% |
| SIVAGANGA | 112% | 9% | -10% | -37% | -17% |
| THANJAVUR | -31% | -27% | -6% | -43% | -29% |
| THENI | 26% | 5% | 135% | -28% | 18% |
| TIRUNELVELI | 43% | 2% | 66% | -12% | 9% |
| TIRUPUR | 173% | -74% | -76% | -47% | -55% |
| TIRUVALLUR | 75% | -12% | 36% | -42% | -6% |
| TIRUVANNAMALAI | -85% | -27% | -13% | -26% | -22% |
| TIRUVARUR | -35% | 35% | 21% | -46% | -22% |
| TOOTHUKUDI | 6% | -55% | -82% | -29% | -37% |
| TRICHY | -71% | -47% | -29% | -36% | -36% |
| VELLORE | 40% | 5% | -2% | -41% | -15% |
| VILUPPURAM | -79% | -57% | -1% | -30% | -22% |
| VIRUDHUNAGAR | -1% | -45% | -4% | -29% | -25% |
| TRIPURA | | | | | |
| DHALAI | -92% | 4% | -34% | -54% | -26% |
| NORTH TRIPURA | -91% | 15% | -15% | -27% | -8% |
| SOUTH TRIPURA | -91% | 27% | -29% | -36% | -17% |
| WEST TRIPURA | -77% | 10% | -33% | -20% | -21% |
| UTTAR PRADESH | | | | | |
| AGRA | 38% | -73% | -16% | 134% | -8% |
| ALIGARH | 63% | -45% | -19% | -4% | -16% |
| ALLAHABAD | 148% | -80% | 16% | 355% | 37% |
| AMBEDKAR NAGAR | 4% | -72% | 27% | 207% | 32% |
| AURAIYA | -44% | -100% | -8% | -40% | -15% |
| AZAMGARH | 112% | -69% | -31% | 190% | -19% |
| BADAUN | 61% | -87% | -28% | -7% | -25% |
| BAGHPAT | 291% | -76% | -4% | 81% | 12% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|---------------------|--------|-------------|---------|--------------|--------|
| BAHRAICH | 142% | -9% | 10% | -47% | 10% |
| BALLIA | 68% | -35% | -30% | 219% | -15% |
| BALRAMPUR | 85% | -100% | 10% | -35% | 4% |
| BANDA | 170% | -83% | 29% | 140% | 37% |
| BARABANKI | 237% | -82% | -20% | -45% | -15% |
| BAREILLY | 123% | -67% | 33% | -19% | 29% |
| BASTI | 10% | -52% | 27% | 130% | 29% |
| BIJNOR | 160% | -71% | -4% | -4% | 1% |
| BULANDSHAHAR | 238% | -59% | -41% | -47% | -32% |
| CHANDAULI | 80% | -13% | -37% | 51% | -28% |
| DEORIA | -32% | -63% | -39% | 266% | -22% |
| ETAH | 98% | -93% | -12% | 24% | -9% |
| ETAWAH | 4% | -100% | -14% | -42% | -18% |
| FAIZABAD | 24% | -99% | -11% | -32% | -14% |
| FARRUKHABAD | 104% | -100% | -11% | -21% | -11% |
| FATEHPUR | 222% | -100% | 14% | 33% | 19% |
| FIROZABAD | 83% | -100% | 5% | 99% | 10% |
| GAUTAM BUDDHA NAGAR | 205% | -96% | -56% | -55% | -46% |
| GHAZIABAD | 189% | -74% | -45% | -74% | -37% |
| GHAZIPUR | 127% | 33% | -13% | 255% | 9% |
| GONDA | 261% | -64% | 3% | 80% | 11% |
| GORAKHPUR | 118% | -23% | 3% | 90% | 10% |
| HAMIRPUR | 253% | -48% | 15% | 160% | 29% |
| HARDOI | 37% | -88% | -13% | -42% | -16% |
| JALAUN | 245% | -89% | -2% | 184% | 15% |
| JAUNPUR | 85% | -91% | -39% | 228% | -25% |
| JHANSI | 272% | -58% | 11% | 248% | 29% |
| JYOTIBA PHULE NAGAR | 127% | -71% | -38% | -55% | -33% |
| KANNAUJ | 207% | -93% | 22% | 1% | 22% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|----------------------|--------|-------------|---------|--------------|--------|
| KANPUR CITY | 273% | -95% | 17% | 60% | 27% |
| KANPUR DEHAT | 329% | -100% | -32% | 14% | -19% |
| KANSHIRAM NAGAR | 212% | -97% | 7% | 57% | 13% |
| KAUSHAMBI | 186% | -100% | -32% | 42% | -23% |
| KHERI | 193% | -65% | 17% | -35% | 16% |
| KUSHI NAGAR | 16% | -69% | -67% | 15% | -60% |
| LALITPUR | 215% | -34% | 58% | 89% | 63% |
| LUCKNOW | 107% | -99% | -12% | -25% | -11% |
| MAHAMAYA NAGAR | 78% | -92% | -24% | 55% | -19% |
| MAHARAJGANJ | -59% | -54% | -43% | 22% | -40% |
| MAHOBA | 131% | -100% | -5% | 88% | 2% |
| MAINPURI | 131% | -100% | 2% | 61% | 6% |
| MATHURA | 168% | -100% | -40% | 10% | -34% |
| MAU | 5% | -27% | -52% | 141% | -40% |
| MEERUT | 226% | -29% | -11% | 10% | 1% |
| MIRZAPUR | 117% | -25% | -10% | 203% | 4% |
| MORADABAD | 67% | -65% | 25% | -18% | 21% |
| MUZAFFARNAGAR | 338% | -46% | 4% | 56% | 22% |
| PILIBHIT | 100% | -98% | -26% | -51% | -26% |
| PRATAPGARH | 281% | -70% | 25% | 122% | 35% |
| RAE BAREILLY | 120% | -80% | 7% | 2% | 8% |
| RAMPUR | 47% | -91% | -28% | -24% | -28% |
| SAHARANPUR | 380% | -100% | 48% | 68% | 60% |
| SAHUJI MAHARAJ NAGAR | 163% | -80% | 28% | 102% | 34% |
| SANT KABIR NAGAR | 16% | -34% | -7% | 144% | 0% |
| SANT RAVIDAS NAGAR | 31% | -71% | -29% | 318% | -12% |
| SHAHJAHANPUR | 193% | -88% | 13% | -33% | 11% |
| SHRAWASTI NAGAR | -12% | -100% | 10% | | |
| SIDDHARTH NAGAR | -7% | -80% | 30% | -24% | 22% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------|--------|-------------|---------|--------------|--------|
| SITAPUR | 93% | -100% | 9% | -64% | 2% |
| SONBHADRA | 54% | 52% | -11% | 132% | 0% |
| SULTANPUR | 115% | -91% | 22% | 9% | 20% |
| UNNAO | 344% | -96% | -11% | 57% | 4% |
| VARANASI | 132% | -28% | -16% | 193% | -1% |
| UTTARAKHAND | | | | | |
| ALMORA | 133% | -74% | 1% | -45% | 1% |
| BAGESHWAR | 191% | -63% | 55% | -75% | 44% |
| CHAMOLI | 83% | -64% | 82% | -60% | 51% |
| CHAMPAWAT | 135% | -81% | -8% | -63% | -9% |
| DEHRADUN | 180% | -71% | 30% | -34% | 28% |
| GARHWAL PAURI | 212% | -80% | -33% | -97% | -27% |
| GARHWAL TEHRI | 179% | -52% | -12% | -84% | -6% |
| HARDWAR | 292% | -87% | 20% | -33% | 28% |
| NAINITAL | 212% | -43% | 23% | -74% | 22% |
| PITHORAGARH | 129% | -33% | -16% | -54% | -12% |
| RUDRAPRAYAG | 90% | -76% | -12% | -75% | -15% |
| UDHAM SINGH NAGAR | 199% | -72% | -2% | -18% | 1% |
| UTTARKASHI | 132% | -57% | 33% | -47% | 24% |
| WEST BENGAL | | | | | |
| BANKURA | -47% | 250% | 23% | 220% | 61% |
| BIRBHUM | -45% | 52% | -25% | 159% | -1% |
| BURDWAN | -26% | 62% | -8% | 192% | 17% |
| COOCH BEHAR | -34% | -28% | -32% | 13% | -29% |
| DARJEELING | -61% | 23% | -12% | 59% | -5% |
| EAST MIDNAPORE | -82% | 36% | 17% | 99% | 29% |
| HOOGHLY | -71% | -19% | -14% | 126% | -4% |
| HOWRAH | -58% | -29% | 10% | 151% | 16% |
| JALPAIGURI | -44% | -11% | 2% | 12% | 0% |

| DISTRICT | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|--------------------|--------|-------------|---------|--------------|--------|
| KOLKATA | -43% | -23% | 36% | 177% | 43% |
| MALDA | -38% | -29% | -20% | 82% | -13% |
| MURSHIDABAD | -96% | 62% | -26% | 42% | -12% |
| NADIA | -48% | 20% | -10% | 90% | 2% |
| NORTH 24 PARGANAS | -57% | 49% | 1% | 113% | 17% |
| NORTH DINAJPUR | -68% | -14% | -12% | 64% | -9% |
| PURULIA | -59% | 195% | -10% | 275% | 31% |
| SOUTH 24 PAR GANAS | -76% | 23% | 6% | 34% | 10% |
| SOUTH DINAJPUR | -59% | -33% | -32% | 44% | -26% |
| WEST MIDNAPORE | -70% | 36% | 9% | 202% | 27% |

The categorywise seasonal and annual distribution of no. of districts of India has been given in [Table 20](#) and a chart depicting the distribution is also given at [Figure 78](#). It may be observed that in winter and pre-monsoon seasons, 153 and 198 districts respectively received scanty/ no rain. Out of the 641 districts, 292 districts on annual basis remained in category of normal rainfall.

Table 20: Category-wise Number of Districts - Seasonally and Annually - Year 2013

| CATEGORY | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------|--------|-------------|---------|--------------|--------|
| EXCESS | 303 | 102 | 183 | 274 | 177 |
| NORMAL | 58 | 123 | 263 | 111 | 292 |
| DEFICIENT | 86 | 183 | 155 | 175 | 112 |
| SCANTY | 116 | 167 | 16 | 53 | 6 |
| NO RAIN | 37 | 31 | 0 | 3 | 0 |
| NO DATA | 41 | 35 | 24 | 25 | 54 |

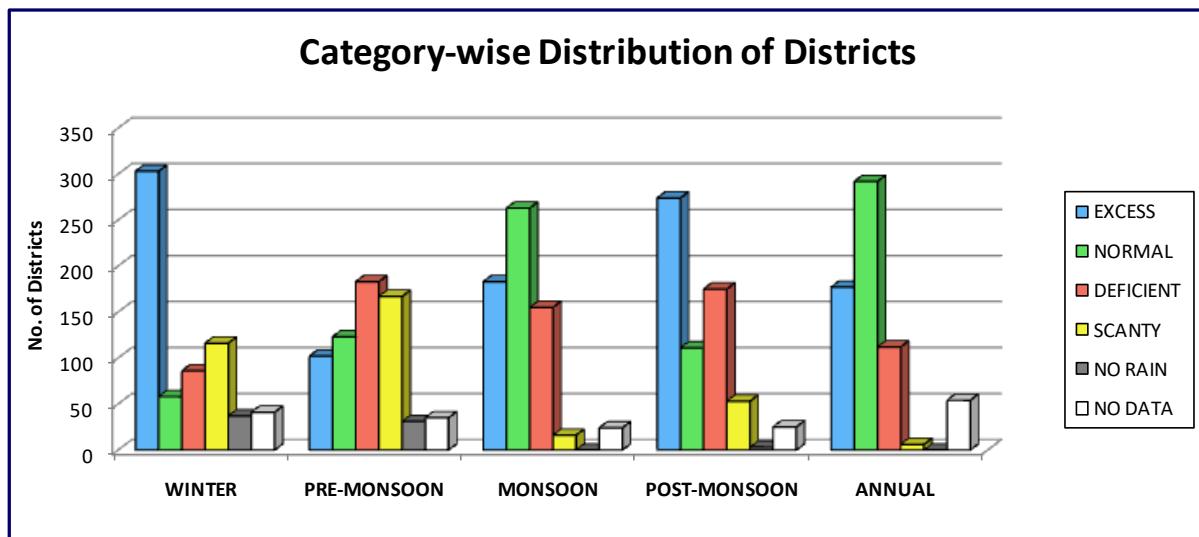


Figure 78: Categorywise Seasonal and Annual Distribution of Number of Districts – 2013

Distribution of districts of India in terms of their areas under different categories in the four seasons and for the year 2013 has been depicted in [Figure 79](#) through [Figure 83](#).

**Category-wise Distribution of District Areas (%)
Winter 2013**

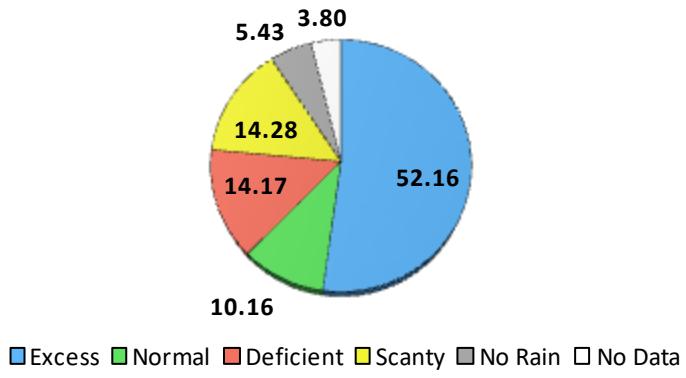


Figure 79: District Areas under different categories - Winter 2013

**Category-wise Distribution of District Areas (%)
PreMonsoon 2013**

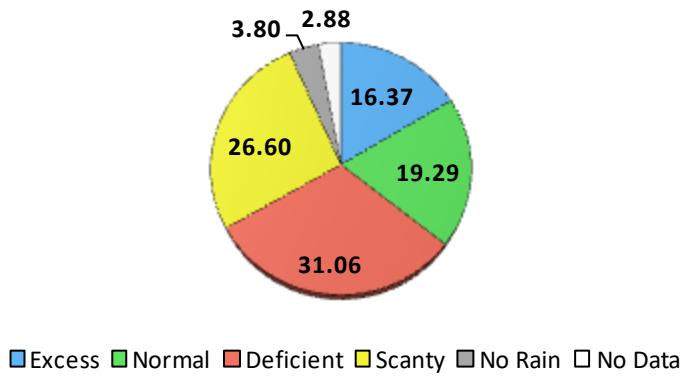


Figure 80: District Areas under different categories - Pre-Monsoon 2013

**Category-wise Distribution of District Areas (%)
Monsoon 2013**

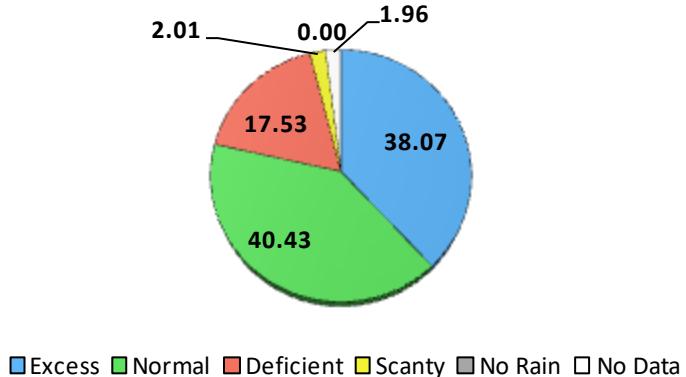


Figure 81: District Areas under different categories - Monsoon 2013

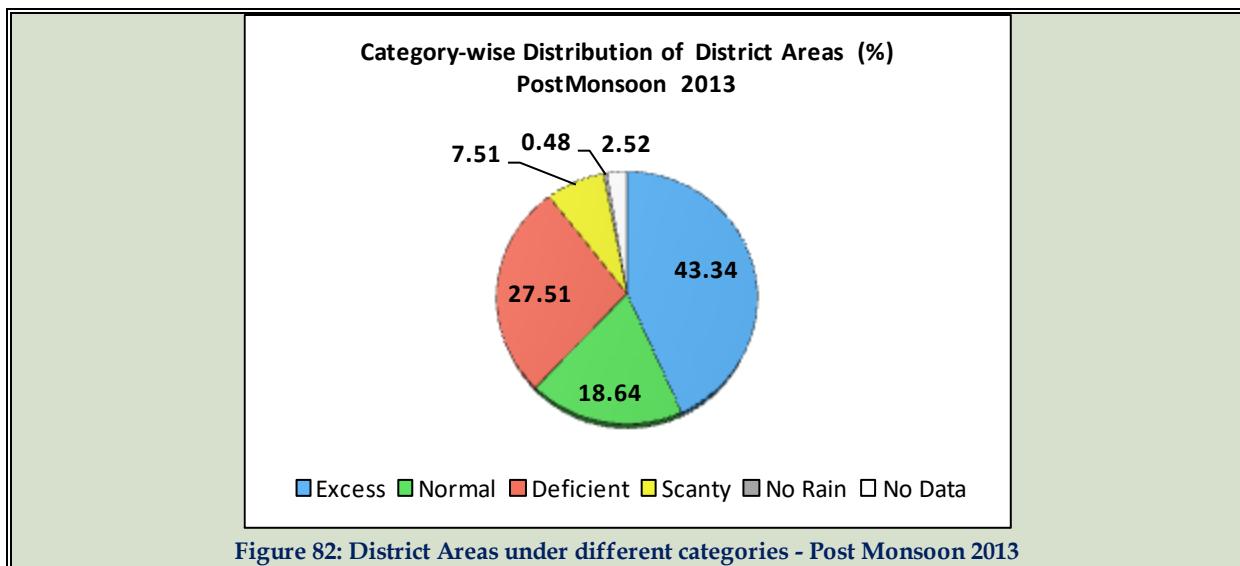


Figure 82: District Areas under different categories - Post Monsoon 2013

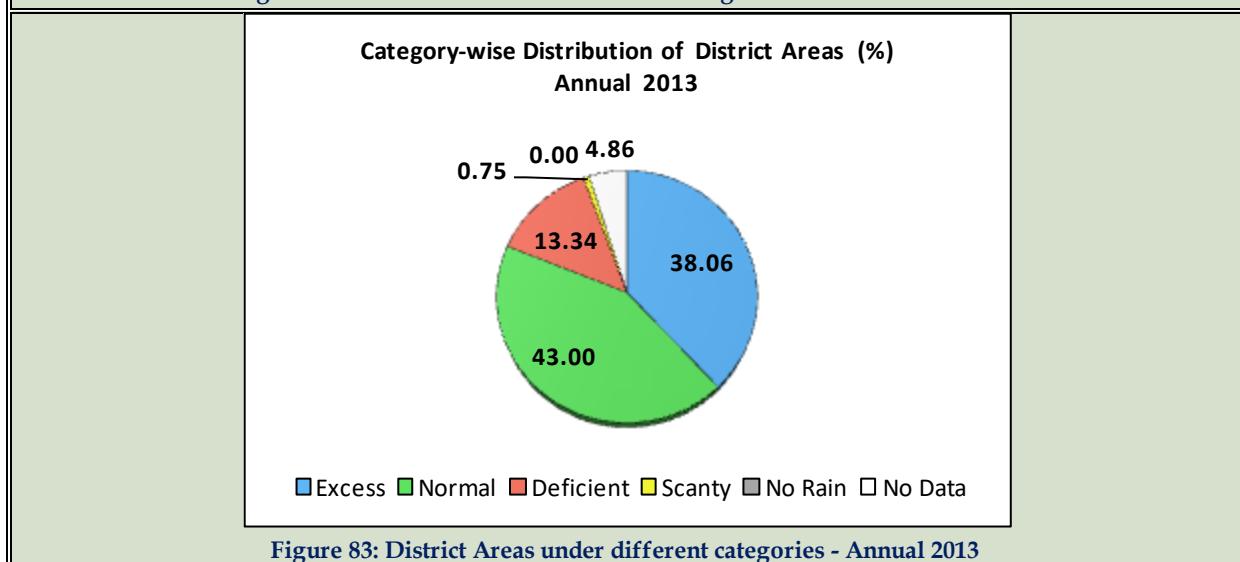


Figure 83: District Areas under different categories - Annual 2013

DISTRICT-WISE MONTHLY RAINFALL STATISTICS

The district-wise observed monthly rainfall is given in [Table 21](#). Also the percent departures of observed monthly rainfall from their normals have been given in [Table 22](#).

Table 21: District-wise Monthly Rainfall (mm) - Year 2013

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------------|-------|-------|-------|------|-------|--------|-------|-------|-------|-------|-------|-------|
| A & N ISLAND | | | | | | | | | | | | |
| NICOBAR | 209.5 | 110.4 | 101.2 | 35.7 | 268.7 | 666.7 | 377.9 | 224.1 | 351.2 | 307.9 | 183.9 | 164.4 |
| NORTH & MIDDLE ANDAMAN | 7.0 | 2.0 | 34.9 | 70.0 | 586.4 | 1014.1 | 651.1 | 447.7 | 597.9 | 727.4 | 548.9 | 41.2 |
| SOUTH AND AMAN | 44.7 | 31.6 | 15.8 | 27.0 | 573.8 | 586.3 | 586.2 | 285.2 | 413.5 | 250.9 | 247.0 | 103.6 |
| ANDHRA PRADESH | | | | | | | | | | | | |
| ADILABAD | 2.5 | 42.5 | 0.4 | 13.4 | 6.4 | 342.4 | 594.4 | 259.1 | 168 | 174.2 | 0.6 | 3.8 |
| ANANTAPUR | 0.0 | 7.4 | 0.6 | 18.4 | 33.0 | 49.5 | 36.3 | 38.4 | 226.8 | 85.6 | 5.5 | 0.2 |
| CHITTOOR | 3.0 | 44.6 | 20.7 | 40.5 | 38.6 | 76.4 | 80.4 | 116.8 | 174.2 | 181.5 | 73.9 | 5.4 |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------------|------|------|------|------|------|-------|--------|-------|-------|-------|-----|-----|
| DADARA & NAGAR HAVELI | | | | | | 335.7 | 1280.1 | 577.9 | 680.5 | 102.7 | 0.0 | |
| DAMAN | | | | 0.0 | 0.0 | 414.7 | 1067.4 | 423.6 | 347.6 | 78.0 | 0.0 | |
| GOA | | | | | | | | | | | | |
| NORTH GOA | 0.0 | 15.7 | 0.0 | 0.0 | 70.5 | 896.3 | 1735.8 | 553.3 | 335.1 | 189.4 | 7.9 | 0.0 |
| SOUTH GOA | 0.0 | 10.0 | 0.0 | 0.9 | 86.3 | 838.0 | 1461.3 | 492.3 | 425.8 | 178.9 | 6.6 | 0.0 |
| GUJARAT | | | | | | | | | | | | |
| AHMEDABAD | 0.0 | 0.0 | 0.1 | 10.6 | 0.0 | 126.0 | 333.2 | 159.9 | 235.6 | 63.3 | 0.3 | 0.0 |
| AMRELI | 0.0 | 0.0 | 0.0 | 36.2 | 1.1 | 194.8 | 242.6 | 99.1 | 238.3 | 89.1 | 0.0 | 0.0 |
| ANAND | 0.0 | 0.0 | 0.0 | 1.7 | 0.1 | 121.0 | 475.2 | 250.6 | 289.3 | 21.5 | 0.3 | 0.0 |
| BANASKANTHA | 0.0 | 3.9 | 0.3 | 9.5 | 0.0 | 130.3 | 314.4 | 162.6 | 265.8 | 79.5 | 0.0 | 0.0 |
| BARODA | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 136.0 | 466.4 | 274.5 | 522.8 | 41.7 | 0.1 | 0.0 |
| BHAVNAGAR | 0.0 | 0.0 | 0.0 | 44.1 | 0.0 | 181.9 | 256.7 | 151.7 | 245.2 | 53.5 | 0.1 | 0.0 |
| BROACH | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 144.7 | 348.6 | 154.2 | 474.8 | 42.7 | 0.0 | 0.0 |
| DAHOD | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 81.2 | 312.0 | 232.8 | 120.8 | 52.5 | 0.0 | 0.0 |
| DANGS | 0.0 | 0.3 | 0.0 | 3.0 | 0.0 | 209.4 | 521.5 | 400.5 | 460.2 | 44.4 | 2.7 | 0.0 |
| GANDHINAGAR | 0.0 | 5.7 | 1.0 | 0.9 | 0.0 | 93.8 | 412.4 | 252.3 | 206.1 | 75.0 | 0.8 | 0.0 |
| JAMNAGAR | 1.3 | 0.6 | 0.1 | 0.0 | 0.0 | 180.9 | 236.6 | 115.8 | 362.2 | 36.6 | 0.0 | 0.0 |
| JUNAGARH | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 404.7 | 368.2 | 100.7 | 241.8 | 76.4 | 0.0 | 0.0 |
| KHEDA | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 | 127.9 | 409.8 | 191.5 | 231.9 | 59.3 | 0.0 | 0.0 |
| KUTCH | 4.1 | 0.3 | 0.2 | 4.1 | 0.0 | 69.8 | 147.2 | 86.6 | 326.9 | 12.9 | 0.0 | 0.0 |
| MEHSANA | 0.0 | 1.4 | 0.0 | 2.3 | 0.0 | 109.9 | 455.1 | 138.9 | 127.3 | 70.0 | 0.0 | 0.0 |
| NARMADA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 184.5 | 383.7 | 366.7 | 702 | 48.9 | 0.0 | 0.0 |
| NAVSARI | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 423.9 | 726.9 | 342.5 | 512.4 | 40.4 | 0.0 | 0.0 |
| PANCHMAHAL | 0.0 | 0.0 | 0.0 | 8.5 | 0.4 | 103.3 | 450.1 | 275.1 | 195.7 | 70.4 | 0.0 | 0.0 |
| PATAN | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 83.3 | 281.6 | 176.3 | 167.4 | 52.1 | 0.0 | 0.0 |
| PORBANDAR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 369.8 | 287.3 | 138.8 | 243.4 | 75.0 | 0.0 | 0.0 |
| RAJKOT | 0.0 | 0.0 | 0.0 | 7.6 | 0.4 | 222.2 | 252.4 | 114.1 | 394.1 | 37.2 | 0.0 | 0.0 |
| SABARKANTHA | 0.0 | 4.0 | 0.0 | 19.5 | 0.0 | 111.2 | 472.3 | 262.0 | 181.1 | 84.6 | 0.0 | 0.0 |
| SURAT | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 416.9 | 642.2 | 328.7 | 516.7 | 53.0 | 0.0 | 0.0 |
| SURENDRANAGAR | 0.0 | 0.3 | 0.0 | 6.8 | 0.0 | 150.9 | 172.6 | 67.9 | 250 | 23.8 | 0.0 | 0.0 |
| TAPI | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 167.1 | 732.1 | 317.3 | 444 | 58.8 | 0.0 | 0.0 |
| VALSAD | 0.0 | 0.0 | 0.0 | 1.8 | 0.3 | 687.5 | 1093.2 | 425.5 | 538.1 | 57.7 | 0.0 | 0.0 |
| HARYANA | | | | | | | | | | | | |
| AMBALA | 58.1 | 79.9 | 25.7 | 2.2 | 7.5 | 160 | 226.5 | 313.1 | 50.3 | 8.9 | 6.4 | 9 |
| BHIWANI | 14.4 | 48.2 | 2.6 | 2.9 | 0 | 11.8 | 81.5 | 94.2 | 24.9 | 9.5 | 2.9 | 0 |
| FARIDABAD | 13.5 | 12 | 1 | 0 | 2 | 55.7 | 211.1 | 256.2 | 62.3 | 1.3 | 0 | 3 |
| FATEHABAD | 9.2 | 32.9 | 8.6 | 3.3 | 0.2 | 56 | 31.6 | 88.5 | 13.9 | 4.1 | 1 | 1.2 |
| GURGAON | 11 | 53 | 2.5 | 4 | 0 | 25.7 | 96.1 | 173 | 35.7 | 0 | 0 | 0 |
| HISAR | 16.4 | 26.4 | 15.9 | 1.9 | 1.1 | 53.4 | 64.2 | 123.6 | 105.5 | 1.3 | 5.7 | 0.0 |
| JHAJJAR | 12.0 | 32.0 | 0.0 | 0.0 | 0.0 | 28.0 | 71.9 | 124.3 | 40.6 | 1.3 | 0.8 | 0.0 |
| JIND | 31.0 | 88.8 | 6.0 | 6.2 | 0.0 | 69.5 | 93.6 | 184.0 | 4.4 | 2.2 | 0.0 | 0.0 |
| KAITHAL | 5.0 | 42.9 | 4.6 | 1.0 | 2.0 | 110.8 | 52.9 | 108.8 | 30 | 6.3 | 0.8 | 1.0 |
| KARNAL | 47.5 | 71.6 | 2.6 | 6.3 | 0.8 | 166.2 | 129.9 | 210.2 | 37.2 | 17.2 | 0.6 | 1.7 |
| KURUKSHETRA | 20.8 | 42.6 | 14.5 | 0.0 | 0.0 | 35.9 | 31.8 | 131.4 | 21.3 | 7.7 | 0.0 | 0.0 |
| MAHENDRAGARH | 25.0 | 68.2 | 0.0 | 0.0 | 0.0 | 23.4 | 91.1 | 157.3 | 41.6 | 0.1 | 1.0 | 0.0 |
| MEWAT | 19.0 | 80.0 | 0.0 | 0.2 | 0.0 | 7.0 | 124.4 | 176.0 | 34.2 | 15.0 | 0.0 | 0.0 |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------------|-------|--------|-------|-------|-------|------|------|------|------|------|-------|-------|
| UTTAR KANNADA | 1400% | 12300% | -41% | -46% | -36% | 15% | 44% | -8% | 35% | 26% | -68% | -95% |
| YADGIR | -100% | 64% | -100% | -48% | 20% | -46% | -34% | -39% | 70% | 10% | -96% | -100% |
| KERALA | | | | | | | | | | | | |
| ALAPUZHA | 37% | 217% | 10% | -70% | -54% | 58% | 20% | -29% | 6% | -44% | -9% | -71% |
| CANNUR | -100% | 1675% | 400% | -50% | -59% | 76% | 13% | -22% | 46% | 39% | -45% | -49% |
| ERNAKULAM | -52% | 247% | 56% | -66% | -50% | 81% | 23% | -7% | 6% | 6% | 46% | 2% |
| IDUKKI | -98% | -32% | 19% | -27% | -59% | 72% | 30% | 31% | 64% | -33% | 15% | -72% |
| KASARGOD | -100% | 8220% | 112% | 64% | -61% | 40% | -10% | -31% | -6% | -22% | -60% | -78% |
| KOLLAM | -41% | 72% | -21% | -43% | -36% | 64% | 13% | -21% | 71% | -20% | -3% | -28% |
| KOTTAYAM | -39% | 24% | 179% | -35% | -40% | 73% | 28% | 5% | 10% | 10% | 38% | -60% |
| KOZHIKODE | -43% | 972% | 157% | -73% | -24% | 59% | 17% | -22% | -6% | 3% | -26% | -54% |
| MALAPPURAM | -100% | 97% | 122% | -90% | -53% | 61% | 15% | -11% | 65% | -31% | 30% | -48% |
| PALAKKAD | -100% | 569% | 52% | -65% | -65% | 57% | 34% | -16% | 58% | -11% | -46% | -82% |
| PATHANAMTHITTA | -55% | -46% | 24% | -75% | -48% | 31% | 13% | -20% | 17% | -25% | 43% | -65% |
| THIRUVANANTHAPURAM | -46% | 199% | 32% | -73% | -44% | 55% | 8% | -18% | 36% | -42% | 43% | -46% |
| THRISSUR | -76% | 513% | 75% | -88% | -55% | 51% | 1% | -24% | -1% | 36% | -24% | -89% |
| WYNAD | -100% | 39% | 389% | -26% | -48% | 47% | -10% | -30% | 10% | -13% | -70% | -35% |
| LAKSHADWEEP | | | | | | | | | | | | |
| LAKSHADWEEP | 26% | 134% | 218% | -89% | -49% | 29% | 3% | -29% | 10% | -54% | -34% | -55% |
| MADHYA PRADESH | | | | | | | | | | | | |
| ALIRAJPUR | -100% | -100% | -100% | 565% | -76% | 101% | 73% | 5% | 116% | 182% | -100% | -100% |
| ANUPPUR | -88% | 184% | -83% | 179% | -99% | 28% | -32% | -14% | -45% | 336% | -100% | -100% |
| ASHOKNAGAR | -100% | 1000% | 317% | -100% | -100% | 224% | 85% | 27% | -67% | 371% | -100% | -100% |
| BALAGHAT | -61% | 1% | -83% | 180% | -82% | -3% | 8% | -5% | -28% | 82% | -100% | -100% |
| BARWANI | -100% | -100% | -100% | 644% | -100% | 51% | 39% | 17% | 70% | -7% | -100% | -100% |
| BETUL | 47% | 149% | -58% | -90% | -100% | 102% | 85% | 120% | -51% | 88% | -100% | -100% |
| BHIND | -100% | 541% | -100% | -38% | -100% | 397% | -1% | 70% | -94% | 170% | -100% | -100% |
| BHOPAL | -100% | 254% | 229% | 1452% | -100% | 311% | 27% | -6% | -78% | -22% | -100% | -100% |
| BURHANPUR | -100% | 1766% | -100% | -100% | -100% | 118% | 97% | 52% | 13% | 107% | -100% | -100% |
| CHHATARPUR | -100% | 405% | -72% | -100% | -70% | 235% | 7% | 58% | -84% | 360% | -93% | -52% |
| CHINDWARA | -82% | 71% | -100% | -56% | -100% | 99% | 43% | 45% | -35% | 270% | -100% | -100% |
| DAMOH | -100% | 93% | 17% | -71% | -81% | 290% | 31% | 64% | -74% | 174% | -27% | -100% |
| DATIA | -77% | 999% | -46% | 62% | -80% | 84% | 6% | 90% | -74% | 102% | -100% | -58% |
| DEWAS | -100% | 693% | -16% | -100% | -100% | 112% | 58% | 40% | -40% | 30% | -100% | -98% |
| DHAR | -100% | 550% | 43% | -75% | -100% | 64% | 60% | 13% | 27% | 298% | -100% | -100% |
| DINDORI | -100% | 143% | -91% | 100% | -95% | 61% | -17% | -10% | -58% | 72% | -100% | -100% |
| GUNA | -87% | 830% | 240% | 274% | -100% | 243% | 102% | 40% | -78% | 94% | -63% | -18% |
| GWALIOR | -47% | 710% | -91% | -24% | -94% | 169% | -12% | 37% | -85% | 96% | -61% | 152% |
| HARDA | -24% | 698% | -97% | -67% | -100% | 170% | 110% | 42% | -34% | 137% | -100% | -100% |
| HOSHANGABAD | -42% | 628% | 196% | 31% | -100% | 169% | 75% | 63% | -69% | 56% | -100% | -100% |
| INDORE | -100% | 387% | 394% | 467% | -51% | 183% | 107% | 43% | 2% | 207% | -100% | -53% |
| JABALPUR | -100% | 506% | 98% | 565% | -100% | 259% | 61% | 94% | -53% | 155% | -100% | -100% |
| JHABUA | -100% | -100% | -100% | -100% | -100% | 71% | 126% | 20% | 14% | 152% | -100% | -100% |
| KATNI | -100% | 192% | -100% | 218% | -100% | 203% | 4% | 21% | -79% | 128% | -100% | -100% |
| KHANDWA | -90% | 380% | -95% | -85% | -100% | 230% | 43% | 44% | 13% | -5% | -100% | -93% |
| KHARGONE | -100% | 546% | -100% | -100% | -100% | 51% | 56% | 24% | -31% | 68% | -100% | -100% |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|--------------------|-------|--------|-------|-------|-------|------|------|------|------|------|-------|-------|
| MANDLA | -70% | 81% | 44% | 126% | -95% | 126% | 36% | 35% | -75% | 221% | -100% | -100% |
| MANDSAUR | -100% | 911% | 92% | -100% | -100% | 72% | 101% | 1% | -48% | -4% | -100% | -100% |
| MORENA | -100% | 251% | -100% | -100% | -100% | 104% | 29% | 76% | -68% | 194% | -100% | -100% |
| NARSINGHPUR | -100% | 280% | -28% | 15% | -100% | 307% | 59% | 38% | -84% | 531% | -100% | -100% |
| NEEMUCH | -100% | 500% | -54% | -100% | -100% | 157% | 89% | 16% | -22% | 376% | -100% | -100% |
| PANNA | -100% | -59% | -100% | -100% | -100% | 248% | -5% | 71% | -94% | 542% | -100% | -100% |
| RAISEN | -100% | -84% | 166% | -61% | -91% | 244% | 49% | 11% | -72% | 126% | -84% | -100% |
| RAJGARH | -100% | 926% | 483% | -86% | -100% | 205% | 98% | 48% | -63% | 75% | -100% | 41% |
| RATLAM | -100% | 379% | 138% | 180% | -98% | 76% | 80% | 12% | 2% | 137% | -100% | 20% |
| REWA | -100% | 235% | 48% | 3% | -100% | 51% | 64% | 45% | -50% | 363% | -100% | -100% |
| SAGAR | -100% | 53% | 158% | -30% | -100% | 301% | 105% | 32% | -67% | 50% | -97% | -100% |
| SATNA | -100% | 192% | 21% | 11% | -100% | 135% | 11% | 36% | -63% | 348% | -100% | -100% |
| SEHORE | -100% | 296% | 133% | 942% | -100% | 188% | 42% | 21% | -64% | -18% | -100% | -100% |
| SEONI | -45% | 60% | 93% | 248% | -100% | 120% | 42% | 65% | -58% | 200% | -94% | -100% |
| SHAHDOL | -99% | 376% | -69% | -30% | -100% | 44% | -25% | -17% | -56% | 392% | -100% | -100% |
| SHAJAPUR | -100% | 955% | 211% | 56% | -38% | 196% | 52% | 51% | -64% | 30% | -100% | -38% |
| SHEOPUR | -3% | 1036% | -77% | -55% | -100% | 69% | 28% | 54% | -94% | 144% | -100% | -36% |
| SHIVPURI | -100% | 790% | -100% | -57% | -93% | 191% | 72% | 61% | -45% | 72% | -96% | -94% |
| SIDHI | -100% | 326% | 99% | 235% | -100% | 8% | 64% | 5% | -51% | 181% | -100% | -100% |
| SINGRAULI | -100% | 348% | 221% | -100% | -100% | -2% | 74% | -41% | -51% | 240% | -100% | -100% |
| TIKAMGARH | -100% | 921% | -16% | 39% | -100% | 91% | 86% | 20% | -86% | 269% | -86% | 103% |
| UJJAIN | -100% | 757% | 1230% | 138% | -100% | 111% | 70% | 28% | -39% | 61% | -100% | -16% |
| UMARIA | -99% | 281% | 184% | -5% | -100% | 159% | -19% | -32% | -48% | 24% | -100% | -100% |
| VIDISHA | -100% | 204% | 437% | -100% | -100% | 216% | 90% | 24% | -73% | 10% | -100% | -76% |
| MAHARASHTRA | | | | | | | | | | | | |
| AHMEDNAGAR | -100% | -23% | -100% | -100% | -100% | 35% | 42% | -39% | 31% | 2% | -100% | -100% |
| AKOLA | 53% | 242% | -78% | -84% | -100% | 121% | 40% | 37% | 81% | 192% | -99% | -100% |
| AMRAOTI | 59% | -32% | -14% | -46% | -69% | 109% | 21% | 6% | -13% | 88% | -100% | -100% |
| AURANGABAD | -100% | -50% | -100% | -96% | -85% | 25% | 6% | -24% | 1% | 45% | -58% | 0% |
| BEED | -100% | -100% | -68% | -34% | -89% | -1% | 51% | -33% | -9% | 8% | -87% | 147% |
| BHANDARA | -100% | 17% | -68% | -77% | -100% | 140% | 57% | 37% | -55% | 97% | -100% | -100% |
| BULDHANA | -65% | -10% | -85% | -100% | -100% | 84% | 46% | -10% | 8% | 36% | -100% | -100% |
| CHANDRAPUR | -65% | 189% | -92% | -57% | -84% | 136% | 110% | -8% | -44% | 204% | -100% | -100% |
| DHULE | | 1950% | -69% | -50% | -100% | 87% | 64% | 27% | 37% | 106% | -100% | |
| GADCHIROLI | -84% | 84% | -100% | -74% | -100% | 131% | 87% | 19% | -12% | 186% | -100% | -100% |
| GONDIA | -20% | 104% | -25% | -53% | -100% | 86% | 104% | 18% | -40% | 66% | -100% | -100% |
| HINGOLI | | 42% | -63% | 139% | -100% | 39% | 72% | -19% | -15% | 111% | | -86% |
| JALGAON | -100% | 825% | -72% | -50% | -100% | 58% | 31% | 10% | 41% | 25% | -100% | -100% |
| JALNA | -100% | -100% | -100% | -100% | -100% | 32% | 48% | -21% | 9% | 60% | -72% | 23% |
| KOLHAPUR | -100% | 513% | -59% | -50% | -40% | 32% | 14% | -31% | -16% | -50% | -98% | -100% |
| LATUR | 73% | 383% | -41% | 32% | -88% | -7% | 53% | -31% | -32% | 42% | -84% | 546% |
| MUMBAI CITY | -100% | -100% | -100% | -100% | -100% | 77% | 11% | -54% | -1% | -14% | -48% | -88% |
| MUMBAI SUBURBAN | -100% | -100% | -100% | -100% | -100% | 91% | 22% | -50% | -38% | 11% | -100% | -100% |
| NAGPUR | -50% | -26% | -47% | -93% | -100% | 147% | 55% | 21% | -42% | 93% | -100% | -100% |
| NANDED | -65% | 638% | -100% | 76% | 26% | 27% | 83% | -18% | -23% | 37% | -14% | -100% |
| NANDURBAR | | 40000% | -100% | 153% | -100% | 14% | 42% | 6% | 200% | 65% | -100% | |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
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| NASHIK | -100% | 920% | -30% | -17% | -97% | 63% | 29% | -8% | 20% | 20% | -92% | -100% |
| OSMAN ABAD | -100% | -77% | 172% | 5% | -59% | -16% | 55% | -50% | 15% | -26% | -79% | -48% |
| PARBHANI | -52% | 390% | -38% | 31% | -42% | -7% | 72% | -31% | 10% | 17% | -54% | 75% |
| PUNE | -17% | 200% | -44% | -100% | -97% | 87% | 27% | -43% | 40% | -63% | -44% | -10% |
| RAIGAD | -100% | -100% | -100% | -100% | -99% | 79% | 42% | -46% | -16% | -2% | -85% | 51% |
| RATNAGIRI | -100% | 2000% | -100% | -100% | -62% | 63% | 47% | -31% | -2% | 82% | -99% | -100% |
| SANGLI | -100% | -25% | -100% | -45% | -72% | 4% | 23% | -45% | 26% | -50% | -60% | -100% |
| SATARA | -100% | 100% | -90% | -69% | -77% | 60% | 14% | -33% | 52% | -63% | -87% | -46% |
| SHOLAPUR | -100% | -40% | -56% | 126% | -62% | -13% | 56% | -56% | 33% | -59% | -77% | -100% |
| SINDHUDURG | -100% | 21800% | -100% | -100% | -20% | 3% | 59% | -21% | 20% | -10% | -79% | -100% |
| THANE | -100% | -100% | -100% | -100% | -10% | 109% | 19% | -29% | 5% | 23% | -99% | -100% |
| WARDHA | 47% | 77% | -56% | -12% | -100% | 81% | 81% | -38% | -42% | 100% | -100% | -100% |
| WASHIM | -29% | 316% | -52% | -22% | -100% | 168% | 25% | 4% | -6% | 86% | -100% | -100% |
| YEOTMAL | -78% | 67% | -82% | -64% | -100% | 98% | 79% | -8% | -28% | 108% | -98% | -100% |
| MANIPUR | | | | | | | | | | | | |
| BISHNUPUR | -100% | -100% | -93% | -71% | -99% | | | | | -55% | -100% | -100% |
| CHANDEL | -100% | -100% | -89% | -100% | -88% | | | | | -76% | -100% | -100% |
| CHURACHANDPUR | | | -75% | -98% | -76% | -60% | -42% | -40% | -70% | -49% | -100% | |
| IMPHAL EAST | -100% | -97% | -66% | -29% | 80% | -63% | -15% | 12% | 32% | -47% | -100% | -84% |
| IMPHAL WEST | | | | | | | | | | -67% | -100% | -99% |
| SENAPATI | -100% | -47% | -18% | | | | -16% | 5% | -45% | -28% | -100% | -100% |
| TAMENGLONG | | | | | | | | | | | | |
| THOUBAL | -100% | -89% | -40% | 16% | 113% | -64% | 47% | 8% | 5% | -25% | -100% | -68% |
| UKHRUL | -100% | -94% | -47% | -39% | 88% | -53% | -80% | | 12% | 4% | -100% | -100% |
| MEGHALAYA | | | | | | | | | | | | |
| EAST GARO HILLS | -100% | 0% | -97% | -93% | -97% | | | -11% | | 1% | -100% | -81% |
| EAST KHASI HILLS | -98% | -21% | -87% | -12% | 18% | -20% | -19% | -12% | -15% | 11% | -100% | -99% |
| JAINTIA HILLS | -100% | -98% | -84% | -67% | -8% | -63% | -73% | -59% | -72% | -62% | -100% | -100% |
| RI-BHOI | -100% | -6% | -15% | 17% | 23% | -10% | -50% | -1% | -47% | -16% | -100% | -100% |
| SOUTH GARO HILLS | -100% | -44% | -96% | -60% | -24% | -94% | -92% | -91% | 3% | -20% | -100% | -26% |
| WEST GARO HILLS | -100% | -83% | -79% | -30% | 13% | -22% | -68% | -45% | -19% | -61% | -38% | -100% |
| WEST KHASI HILLS | -100% | -36% | -58% | -63% | -9% | -84% | -91% | -82% | -90% | | -100% | -100% |
| MIZORAM | | | | | | | | | | | | |
| AIZWAL | -100% | -87% | -95% | -57% | 55% | -34% | -20% | -4% | -19% | -52% | -100% | -100% |
| CHAMPHAI | | -82% | -93% | -48% | 79% | -30% | -7% | -77% | -69% | -31% | -100% | -100% |
| CHHIMTUUIPUI | | | | | | | | | | | | |
| KOLASIB | -100% | -88% | -95% | -67% | -37% | -93% | | | | -60% | -100% | -100% |
| LAWNGTLAI | -100% | -82% | -100% | -10% | 24% | -22% | -31% | -25% | 14% | -75% | -98% | -100% |
| LUNGLEI | -100% | -86% | -93% | -60% | -20% | -80% | -55% | -18% | 10% | -21% | -100% | -100% |
| MAMIT | -100% | -84% | -97% | -93% | -2% | -63% | -49% | -91% | 2% | -67% | -100% | -100% |
| SAIHA | -100% | -81% | -100% | -57% | 36% | 4% | -14% | 52% | 116% | 96% | -84% | -100% |
| SERCHHIP | -100% | -94% | -98% | -66% | 38% | -55% | -70% | -49% | -77% | -49% | -100% | -100% |
| NAGALAND | | | | | | | | | | | | |
| DIMAPUR | -100% | -100% | 13% | 69% | 57% | -5% | 48% | 9% | -1% | 10% | -100% | -100% |
| KEPHIRE | -100% | -89% | -77% | -83% | -95% | -75% | -50% | -69% | -59% | -56% | -100% | -91% |
| KOHIMA | -100% | -40% | -2% | -10% | 75% | -20% | 7% | -29% | -31% | -24% | -100% | -69% |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
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| LONGLENG | | | | | | | | | | | | |
| MOKOKCHUNG | -96% | -32% | 41% | 29% | 50% | -69% | -86% | -80% | -1% | -30% | -100% | -60% |
| MON | | | 59% | -100% | | | 24% | 90% | -53% | 42% | -90% | -100% |
| PAREN | | | | | | | | | | | | |
| PHEK | -100% | -94% | -40% | 2% | -1% | -69% | -26% | -25% | -30% | 46% | -100% | -100% |
| TUENSANG | | | | | | | | | | | | |
| WOKHA | -95% | -83% | -100% | -99% | -99% | | | | -19% | 8% | -100% | -94% |
| ZUNHEBOTO | -87% | -66% | -12% | -29% | 125% | -6% | | | | | | |
| ORISSA | | | | | | | | | | | | |
| ANGUL | -61% | -59% | -84% | -14% | -17% | 4% | 17% | -40% | -23% | 264% | -100% | -100% |
| BALASORE | -97% | -82% | -92% | 48% | 46% | -10% | -17% | 2% | 20% | 292% | -100% | -100% |
| BARGARH | -36% | -7% | -99% | 91% | -46% | 2% | 7% | -36% | -22% | 264% | -100% | -100% |
| BHADRAK | -39% | -83% | -54% | 23% | 52% | -24% | 0% | -45% | 25% | 308% | -100% | -100% |
| BOLANGIR | -88% | -73% | -96% | 108% | -47% | -6% | 13% | -33% | -25% | 181% | -100% | -100% |
| BOUDHGORH | -92% | -95% | -100% | -78% | -74% | 33% | -19% | -50% | -38% | 181% | -100% | -100% |
| CUTTACK | -99% | -74% | -96% | -7% | 7% | -5% | 0% | -69% | -5% | 409% | -100% | -100% |
| DEOGARH | -46% | -51% | -100% | 47% | -62% | -26% | -3% | -12% | -48% | 377% | -100% | -100% |
| DHENKANAL | -79% | -88% | -100% | 19% | -24% | 13% | 32% | -61% | 6% | 262% | -100% | -100% |
| GAJAPATI | -82% | -88% | -99% | 10% | -52% | 69% | 1% | -34% | 0% | 287% | -88% | -96% |
| GANJAM | -99% | -64% | -98% | 53% | -82% | 30% | 46% | -35% | 29% | 289% | -97% | -100% |
| JAGATSINGHPUR | -95% | -94% | -98% | -50% | -6% | -31% | -26% | -61% | -40% | 243% | -100% | -100% |
| JAJPUR | -3% | -82% | -98% | 20% | 5% | -25% | 12% | -57% | -19% | 380% | -100% | -100% |
| JHARSUGUDA | -92% | -55% | -63% | 92% | -53% | -22% | 2% | -36% | -31% | 203% | -100% | -100% |
| KALAHANDI | 144% | -56% | -100% | 23% | -7% | 113% | -6% | -34% | -29% | 211% | -100% | -100% |
| KANDHAMAL | -98% | -80% | -100% | 50% | -54% | 18% | 34% | -40% | -22% | 254% | -100% | -100% |
| KENDRAPARA | -100% | -97% | -90% | 176% | -10% | 3% | 8% | -47% | -37% | 259% | -100% | -100% |
| KEONJHARGARH | -34% | -69% | -88% | -1% | 0% | 12% | 36% | -18% | 5% | 236% | -99% | -100% |
| KHURDA | -96% | -82% | -97% | 23% | -24% | 7% | -5% | -43% | 13% | 296% | -99% | -100% |
| KORAPUT | -100% | 13% | -94% | 85% | -88% | 138% | -9% | -21% | -43% | 40% | -73% | -100% |
| MALKANGIRI | -100% | 169% | -100% | 112% | 12% | 43% | 21% | -28% | 16% | 45% | -41% | -100% |
| MAYURBHANJ | -83% | -62% | -91% | 43% | 82% | -23% | 40% | -2% | 11% | 425% | -100% | -100% |
| NAWAPARA | -98% | 7% | -100% | -41% | -88% | 37% | 51% | 2% | -1% | 148% | -100% | -100% |
| NAWARANGPUR | -100% | -98% | -100% | 42% | -19% | 171% | -9% | -33% | -10% | 150% | -100% | -100% |
| NAYAGARH | -96% | -36% | -61% | 104% | -29% | 27% | 39% | -41% | -7% | 400% | -100% | -100% |
| PURI | -99% | -93% | -100% | 2% | -19% | 22% | 1% | -32% | -28% | 216% | -100% | -100% |
| RAYAGADA | -71% | -81% | -97% | -11% | -49% | 129% | -16% | -6% | -12% | 136% | -94% | -100% |
| SAMBALPUR | -41% | -46% | -91% | 102% | -56% | -15% | 18% | -45% | -38% | 326% | -100% | -100% |
| SONEPUR | 28% | -65% | -97% | 193% | -80% | 4% | 24% | -48% | -39% | 281% | -100% | -100% |
| SUNDARGARH | -65% | -37% | -79% | 280% | -30% | -22% | 24% | 1% | -13% | 316% | -100% | -100% |
| PONDICHERRY | | | | | | | | | | | | |
| KARAikal | -81% | -71% | -42% | -100% | -98% | 62% | -44% | 81% | 18% | -59% | -53% | -12% |
| MAHE | | | | | | | | | | | | |
| PONDICHERRY | -100% | -82% | -2% | -90% | -97% | 81% | -47% | 196% | 14% | -76% | -35% | -30% |
| YANAM | | | | | | | | | | | | |
| PUNJAB | | | | | | | | | | | | |
| AMRITSAR | -68% | 134% | -91% | -80% | -81% | 126% | -40% | 62% | -85% | 13% | 38% | -83% |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|------------------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| BARNALA | -86% | 94% | -68% | -100% | -100% | 186% | -31% | -58% | -92% | -75% | -100% | -89% |
| BHATINDA | -30% | 130% | 15% | 50% | -69% | 163% | -2% | 164% | -84% | -100% | 48% | -91% |
| FARIDKOT | 30% | 386% | -59% | -26% | -28% | 305% | -20% | 255% | -65% | 288% | 189% | -87% |
| FATEHGARH SAHIB | -40% | 127% | 127% | -60% | -38% | 469% | -62% | -15% | -71% | 48% | 13% | -59% |
| FEROZE PUR | -95% | -39% | -95% | -86% | -97% | 12% | -24% | 30% | -92% | -20% | 141% | -100% |
| GURDASPUR | -37% | 156% | -64% | -92% | -75% | 131% | 11% | 91% | -24% | 99% | 20% | -17% |
| HOSHIARPUR | -61% | 61% | -75% | -76% | -78% | 48% | -53% | -30% | -68% | -54% | -60% | 1% |
| JALANDHAR | -78% | 194% | -66% | -56% | -63% | 243% | -42% | -19% | -69% | -75% | -64% | -93% |
| KAPURTHALA | -78% | 251% | -51% | -7% | -74% | 531% | -23% | 25% | -68% | -58% | -94% | 79% |
| LUDHIANA | -76% | 124% | -25% | -83% | -77% | 190% | -51% | -10% | -77% | -22% | -80% | -29% |
| MANSA | -74% | 33% | -56% | -100% | -100% | 170% | -62% | -36% | -69% | -100% | 4% | -100% |
| MOGA | -91% | 28% | -100% | -68% | -100% | 284% | 1% | 128% | -91% | -39% | 48% | -53% |
| MUKTSAR | -79% | -21% | -84% | -86% | -68% | 370% | -45% | 228% | -100% | -100% | -43% | -100% |
| NAWANSHAHAR | -62% | 41% | -16% | -50% | -32% | 142% | -40% | -17% | -48% | -56% | -37% | -31% |
| PATIALA | -69% | 121% | -21% | -92% | -96% | 59% | -45% | -20% | -74% | -82% | -70% | -72% |
| ROPAR | -44% | 57% | -43% | -92% | -9% | 274% | -24% | 8% | -62% | -38% | -34% | -32% |
| SANGRUR | -57% | 161% | 11% | -94% | -96% | 158% | -89% | -44% | -84% | -69% | -66% | -16% |
| SAS NAGAR MOHALI | -91% | -35% | -48% | -100% | -88% | 250% | -57% | -13% | -51% | -31% | -73% | -86% |
| TARN TARAN | -68% | 70% | -86% | 16% | -100% | 223% | -31% | 79% | -94% | 61% | 460% | -79% |
| RAJASTHAN | | | | | | | | | | | | |
| AJMER | -73% | 455% | -100% | -77% | -99% | 57% | -17% | 5% | 166% | 15% | -40% | -100% |
| ALWAR | -100% | 473% | -100% | -31% | -78% | 42% | 10% | 20% | -59% | 7% | -100% | -100% |
| BANSWARA | -100% | 2280% | -100% | 1244% | -100% | -14% | 65% | -19% | 21% | 130% | -100% | -100% |
| BARAN | -99% | 609% | -89% | -100% | -100% | 146% | 119% | 97% | -82% | 35% | -100% | -100% |
| BARMER | 0% | 412% | -100% | -22% | -57% | 60% | 35% | 61% | 54% | 488% | -100% | -100% |
| BHARATPUR | -88% | 6% | -100% | -82% | -66% | -16% | 2% | 3% | -56% | 73% | -100% | -100% |
| BHILWARA | -100% | 411% | -100% | -87% | -91% | -3% | 26% | 7% | 15% | -32% | -100% | -100% |
| BIKANER | 41% | 381% | 30% | 78% | -99% | -23% | 15% | 52% | -83% | 0% | -84% | -100% |
| BUNDI | -100% | 397% | -100% | -100% | -100% | 24% | 63% | 34% | -63% | 89% | -100% | -92% |
| CHITTORGARH | -100% | -20% | -100% | -15% | -98% | 57% | 46% | 17% | -1% | -15% | -86% | -100% |
| CHURU | 361% | 341% | -57% | -27% | -94% | -16% | 28% | 39% | 1% | -28% | 279% | -100% |
| DAUSA | -100% | 479% | -100% | -100% | -90% | 95% | 23% | 35% | -41% | 63% | -100% | -32% |
| DHOLPUR | 36% | 322% | -99% | -80% | -100% | 59% | 9% | 71% | -53% | 399% | -100% | -62% |
| DUNGARPUR | -100% | 2117% | -100% | 633% | -100% | -4% | 76% | -14% | 80% | 365% | -100% | -100% |
| HANUMANGARH | 52% | 364% | -5% | -43% | -100% | 26% | -5% | 54% | -28% | -32% | -81% | -100% |
| JAIPUR | -99% | 324% | -79% | -23% | -85% | 76% | -5% | 36% | -43% | 30% | -78% | -100% |
| JAISALMER | -100% | 555% | 414% | -47% | -70% | 51% | -26% | 112% | -75% | 16% | -100% | -100% |
| JALORE | 883% | 755% | -100% | 164% | -87% | 106% | -8% | 18% | 150% | 283% | -100% | -100% |
| JHALAWAR | -99% | 1148% | -3% | -100% | -100% | 91% | 131% | 43% | -56% | 52% | -95% | -93% |
| JHunjhunu | 95% | 247% | -89% | 20% | -87% | -56% | 8% | 6% | 10% | -37% | 314% | -100% |
| JODHPUR | 169% | 445% | -37% | -100% | -77% | 84% | 16% | 66% | 201% | -82% | -100% | -100% |
| KAROOLI | -100% | 443% | -86% | 217% | -100% | 60% | 44% | 27% | -69% | -36% | -100% | -53% |
| KOTA | -100% | 353% | -19% | -36% | -96% | 114% | 82% | 38% | -49% | 192% | -96% | -9% |
| NAGAUR | 449% | 209% | -96% | -57% | -86% | -33% | -15% | 53% | 144% | 62% | -65% | -100% |
| PALI | 224% | 60% | -100% | -63% | -98% | 47% | -16% | 17% | 51% | 67% | -100% | -100% |
| PRATAPGARH | -100% | 1050% | -100% | 209% | -66% | 75% | 99% | 4% | -22% | 92% | -100% | -100% |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|------------------|-------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|
| RAJSAMAND | -100% | 277% | -100% | -4% | -100% | 4% | 50% | 8% | 41% | 148% | -100% | -100% |
| SAWAI MADHOPUR | -100% | 406% | -97% | 214% | -77% | 131% | 40% | 38% | -58% | -34% | -100% | -97% |
| SIKAR | 8% | 357% | -71% | -74% | -99% | -54% | 10% | 34% | 12% | 53% | 129% | -100% |
| SIROHI | -34% | 20% | -100% | 189% | -97% | 18% | -7% | -32% | 62% | 614% | -100% | -100% |
| SRI GANGANAGAR | -37% | 519% | -82% | 4% | -100% | -29% | -36% | 44% | -85% | -77% | 62% | -100% |
| TONK | -100% | 262% | -96% | -63% | -96% | 64% | 39% | 58% | -62% | -24% | -90% | -87% |
| UDAIPUR | -100% | 120% | -100% | 82% | -89% | 35% | 38% | -17% | 39% | 133% | -100% | -100% |
| SIKKIM | | | | | | | | | | | | |
| EAST SIKKIM | -87% | -43% | 107% | 46% | 40% | -18% | -19% | -26% | -45% | 24% | 121% | -59% |
| NORTH SIKKIM | -84% | -36% | -39% | -16% | 73% | -38% | 8% | -30% | -20% | -14% | 89% | -54% |
| SOUTH SIKKIM | -88% | -54% | 7% | -37% | -10% | -38% | -41% | -23% | -47% | -9% | -88% | -30% |
| WEST SIKKIM | -87% | -56% | -60% | -35% | 0% | -52% | 19% | 7% | -4% | -42% | -93% | -61% |
| TAMILNADU | | | | | | | | | | | | |
| ARIYALUR | -100% | -35% | -50% | -47% | -83% | -93% | -89% | 31% | 19% | -62% | -22% | -64% |
| CHENNAI | -100% | 16% | 737% | -84% | -96% | -37% | 42% | 32% | 77% | -27% | -53% | -40% |
| COIMBATORE | -100% | 374% | 11% | 1% | -40% | 369% | 167% | 130% | 27% | 6% | -46% | -43% |
| CUDDALORE | -99% | 31% | 97% | -99% | -39% | 9% | -49% | 85% | -5% | -48% | -20% | -50% |
| DHARMAPURI | -100% | 116% | -97% | -29% | 46% | -63% | -75% | -59% | 26% | 12% | 4% | -87% |
| DINDIGUL | -100% | 185% | 54% | -50% | -56% | -44% | -83% | -28% | -28% | -35% | -70% | -44% |
| ERODE | -100% | 248% | -95% | -2% | -54% | 101% | -84% | 44% | -17% | -15% | -47% | -65% |
| KANCHIPURAM | -100% | 106% | 315% | -100% | -64% | 8% | 24% | -7% | 16% | -39% | -59% | -54% |
| KANYAKUMARI | 34% | 220% | -24% | -75% | -55% | 43% | 1% | -43% | -23% | -66% | 56% | 25% |
| KARUR | -100% | 109% | -69% | -76% | -23% | -79% | -99% | 28% | -11% | -21% | -40% | -32% |
| KRISHNAGIRI | -100% | 24% | -90% | -2% | 6% | -16% | -70% | -1% | 24% | -19% | 7% | -77% |
| MADURAI | -91% | 192% | 143% | -63% | -42% | -56% | -93% | 28% | -61% | -6% | -82% | -26% |
| NAGAPATTINAM | -52% | 2% | 69% | -99% | -78% | 8% | -53% | 55% | 8% | -55% | -24% | -30% |
| NAMAKKAL | -100% | 23% | -87% | -33% | -65% | 46% | -71% | 24% | -13% | -17% | -27% | -14% |
| NILGIRI | -96% | -35% | 63% | -10% | -3% | 20% | 11% | -2% | 36% | -1% | -30% | -29% |
| PERAMBALUR | -94% | 48% | -19% | -47% | -48% | -36% | -89% | 95% | 22% | -34% | -5% | -58% |
| PUDUKKOTTAI | -34% | 94% | 428% | -91% | -69% | -24% | -73% | 22% | -17% | -35% | -65% | -52% |
| RAMANATHAPURAM | -12% | 264% | 133% | -76% | -72% | -58% | -77% | 1% | -75% | -53% | -36% | 5% |
| SALEM | -100% | 73% | -93% | -29% | -69% | 30% | -53% | 18% | 39% | -35% | -28% | -24% |
| SIVAGANGA | -15% | 274% | 201% | -99% | 36% | -18% | -71% | 102% | -63% | -22% | -61% | -30% |
| THANJAVUR | -46% | -4% | 209% | -97% | -62% | -38% | -82% | 44% | 5% | -49% | -40% | -41% |
| THENI | -99% | 129% | 79% | -41% | 17% | 331% | 176% | 266% | -8% | -11% | -43% | -44% |
| TIRUNELVELI | -94% | 186% | 148% | -65% | -47% | 195% | 28% | 9% | 19% | -63% | 26% | -8% |
| TIRUPUR | -100% | 454% | -96% | -78% | -66% | -100% | -97% | -66% | -65% | -31% | -77% | -21% |
| TIRUVALLUR | -99% | 308% | 314% | 64% | -67% | 34% | 17% | 12% | 75% | -10% | -54% | -75% |
| TIRUVANNAMALAI | -100% | -66% | 29% | -90% | -18% | -46% | -43% | 17% | -11% | -8% | -21% | -79% |
| TIRUVARUR | -65% | 29% | 337% | -77% | 5% | 13% | -68% | 73% | 31% | -66% | -44% | -30% |
| TOOTHUKUDI | -59% | 95% | 12% | -75% | -85% | -87% | -97% | -68% | -80% | -52% | -18% | -15% |
| TRICHY | -94% | -37% | 22% | -96% | -29% | -83% | -98% | 13% | -13% | -51% | -9% | -52% |
| VELLORE | -100% | 207% | 172% | -26% | -6% | 24% | -50% | -1% | 17% | -11% | -56% | -93% |
| VILUPPURAM | -99% | -40% | 95% | -94% | -72% | -32% | -36% | 45% | -11% | -34% | -30% | -26% |
| VIRUDHUNAGAR | -91% | 69% | 79% | -75% | -68% | -24% | -99% | 153% | -52% | -24% | -50% | 11% |
| TRIPURA | | | | | | | | | | | | |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|----------------------|-------|------|-------|-------|-------|------|------|------|------|------|-------|-------|
| DHALAI | -100% | -89% | -90% | -54% | 59% | -69% | -43% | 23% | -33% | -41% | -100% | -91% |
| NORTH TRIPURA | -100% | -88% | -97% | -61% | 92% | -31% | -16% | 20% | -29% | -9% | -100% | -4% |
| SOUTH TRIPURA | -100% | -89% | -86% | -83% | 110% | -42% | -54% | -18% | 27% | -16% | -100% | -94% |
| WEST TRIPURA | -90% | -73% | -89% | -56% | 65% | -43% | -55% | -28% | 14% | 1% | -100% | -65% |
| UTTAR PRADESH | | | | | | | | | | | | |
| AGRA | -40% | 176% | -74% | -88% | -66% | 31% | -28% | -4% | -39% | 196% | -96% | 6% |
| ALIGARH | -50% | 238% | -93% | 63% | -53% | 92% | -23% | -22% | -46% | -6% | -100% | 68% |
| ALLAHABAD | -100% | 581% | -58% | -92% | -100% | 198% | 11% | 21% | -65% | 537% | -100% | -87% |
| AMBED KAR NAGAR | -82% | 120% | -100% | 48% | -100% | 272% | -16% | 17% | -16% | 283% | -100% | -100% |
| AURAIYA | -100% | 2% | -100% | -100% | -100% | 101% | -11% | 16% | -96% | -55% | 62% | 21% |
| AZAMGARH | -100% | 375% | -94% | 48% | -100% | 81% | -62% | 3% | -77% | 266% | -100% | -100% |
| BADAUN | 16% | 98% | -74% | -86% | -97% | 140% | -25% | -60% | -48% | -15% | -85% | 103% |
| BAGHPAT | 149% | 441% | -87% | -45% | -83% | 274% | -62% | -2% | -14% | 168% | -100% | -57% |
| BAHRAICH | -36% | 373% | -26% | 204% | -61% | 124% | -10% | -6% | -22% | -36% | -100% | -90% |
| BALLIA | -99% | 279% | -72% | 213% | -88% | 21% | -50% | -26% | -38% | 280% | -100% | -100% |
| BALRAMPUR | -63% | 249% | -100% | -100% | -100% | 291% | -49% | -12% | -36% | -25% | -100% | -100% |
| BANDA | -100% | 579% | -57% | -73% | -100% | 346% | 27% | -3% | -79% | 230% | -100% | -81% |
| BARABANKI | -44% | 566% | -99% | -2% | -100% | 109% | -19% | -30% | -72% | -32% | -100% | -100% |
| BAREILLY | 68% | 181% | -70% | -93% | -57% | 284% | 46% | -18% | -45% | -21% | -83% | 20% |
| BASTI | -96% | 167% | -100% | 195% | -92% | 384% | -46% | 6% | -55% | 178% | -100% | -100% |
| BIJNOR | 17% | 356% | -37% | -100% | -100% | 126% | -36% | 20% | -60% | 1% | -36% | -6% |
| BULANDSHAHAR | 57% | 459% | -41% | -74% | -71% | 213% | -54% | -57% | -90% | -46% | -60% | -44% |
| CHANDAULI | -88% | 338% | -3% | 138% | -100% | 12% | -35% | -25% | -80% | 118% | -100% | -100% |
| DEORIA | -67% | -4% | -100% | 78% | -100% | 41% | -65% | -31% | -63% | 332% | -100% | -100% |
| ETAH | 23% | 180% | -83% | -100% | -100% | 122% | -17% | -9% | -70% | 27% | -87% | 56% |
| ETAWAH | -93% | 118% | -100% | -100% | -100% | 147% | -12% | -19% | -73% | -62% | -31% | 103% |
| FAIZABAD | -97% | 207% | -96% | -100% | -100% | 349% | -73% | -50% | -65% | -17% | -100% | -98% |
| FARRUKHABAD | -28% | 283% | -100% | -100% | -100% | 185% | 0% | -48% | -59% | -27% | 71% | 3% |
| FATEHPUR | -100% | 725% | -100% | -100% | -100% | 478% | -16% | -27% | -88% | 76% | -100% | -100% |
| FIROZABAD | 0% | 185% | -100% | -100% | -100% | 146% | -13% | 30% | -70% | 106% | -100% | 164% |
| GAUTAM BUDDHA NAGAR | 4% | 620% | -100% | -80% | -100% | -5% | -69% | -37% | -86% | -53% | -100% | -44% |
| GHAZIABAD | 54% | 334% | -50% | -93% | -100% | 273% | -66% | -64% | -84% | -88% | -100% | 2% |
| GHAZIPUR | -64% | 447% | -83% | 621% | -100% | 52% | -25% | -18% | -19% | 341% | -100% | -100% |
| GONDA | -57% | 833% | -100% | 108% | -100% | 225% | -17% | -34% | -58% | 112% | -100% | -100% |
| GORAKHPUR | -13% | 345% | -100% | 200% | -87% | 282% | -49% | -30% | -55% | 130% | -100% | -100% |
| HAMIRPUR | -100% | 747% | -75% | 186% | -100% | 215% | -30% | 36% | -48% | 218% | -56% | -22% |
| HARDOI | -71% | 188% | -88% | -83% | -89% | 104% | -5% | -28% | -63% | -41% | -22% | -55% |
| JALAUN | -90% | 648% | -70% | -100% | -100% | 213% | -17% | 2% | -78% | 221% | -100% | 51% |
| JAUNPUR | -62% | 300% | -84% | -76% | -100% | 85% | -51% | -47% | -66% | 361% | -100% | -100% |
| JHANSI | -97% | 769% | -64% | 26% | -100% | 125% | 17% | 32% | -86% | 324% | -39% | 103% |
| JYOTIBA PHULE NAGAR | 18% | 285% | -48% | -66% | -100% | 44% | -53% | -21% | -77% | -65% | -72% | 15% |
| KANNAUJ | 3% | 483% | -78% | -100% | -100% | 358% | 29% | 4% | -77% | -8% | -100% | 159% |
| KANPUR CITY | -77% | 768% | -88% | -96% | -100% | 363% | 15% | -27% | -50% | 87% | -92% | -90% |
| KANPUR DEHAT | -94% | 830% | -100% | -100% | -100% | 191% | -23% | -59% | -91% | 33% | -100% | -78% |
| KANSHIRAM NAGAR | 112% | 384% | -100% | -77% | -100% | 390% | -47% | 21% | -72% | 57% | -100% | 132% |
| KAUSHAMBI | -100% | 564% | -100% | -100% | -100% | 130% | -35% | -41% | -84% | 96% | -100% | -100% |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|----------------------|-------|------|-------|-------|-------|------|------|------|------|------|-------|-------|
| KHERI | 73% | 351% | -31% | 31% | -100% | 224% | -13% | 1% | -51% | -39% | 140% | -46% |
| KUSHI NAGAR | -12% | 58% | -100% | 30% | -94% | -29% | -73% | -76% | -74% | 31% | -52% | -100% |
| LALITPUR | -100% | 919% | 69% | -100% | -100% | 97% | 117% | 59% | -73% | 148% | -100% | -12% |
| LUCKNOW | -79% | 380% | -96% | -100% | -100% | 194% | -23% | -26% | -76% | -12% | -100% | -72% |
| MAHAMAYA NAGAR | -16% | 182% | -100% | -50% | -100% | 7% | -49% | 14% | -70% | 54% | -100% | 129% |
| MAHARAJGANJ | -85% | -12% | -100% | 45% | -80% | 30% | -73% | -41% | -53% | 40% | -100% | -100% |
| MAHOBA | -100% | 509% | -100% | -100% | -100% | 344% | -25% | -23% | -87% | 159% | -100% | -65% |
| MAINPURI | 37% | 247% | -100% | -100% | -100% | 214% | -11% | -2% | -69% | 65% | -100% | 134% |
| MATHURA | -35% | 338% | -100% | -100% | -100% | -13% | -30% | -43% | -65% | 45% | -100% | -78% |
| MAU | -100% | 189% | -100% | 296% | -90% | 82% | -78% | -62% | -67% | 199% | -100% | -100% |
| MEERUT | 50% | 449% | -64% | -78% | 43% | 155% | -46% | 4% | -46% | 45% | -80% | -79% |
| MIRzapur | -100% | 428% | -5% | 124% | -100% | 117% | -22% | 13% | -72% | 337% | -100% | -100% |
| MORADABAD | -41% | 178% | -38% | -36% | -97% | 300% | 16% | -1% | -65% | -22% | -18% | 6% |
| MUZAFFARNAGAR | 130% | 603% | -53% | -85% | -23% | 239% | -64% | 43% | -51% | 92% | -23% | -7% |
| PILIBHIT | 26% | 191% | -93% | -100% | -100% | 123% | -33% | -38% | -75% | -54% | -100% | 8% |
| PRATAPGARH | -87% | 846% | -42% | -50% | -100% | 429% | -17% | 3% | -52% | 200% | -100% | -58% |
| RAE BAREILLY | -100% | 452% | -60% | -70% | -100% | 453% | -2% | -48% | -79% | 18% | -93% | -86% |
| RAMPUR | -51% | 140% | -100% | -41% | -100% | 42% | -32% | -30% | -66% | -18% | -5% | -48% |
| SAHARANPUR | 247% | 515% | -100% | -100% | -100% | 229% | 36% | 44% | -49% | 109% | -100% | 66% |
| SAHUJI MAHARAJ NAGAR | -100% | 543% | -88% | -14% | -100% | 199% | 41% | 25% | -57% | 181% | -100% | -100% |
| SANT KABIR NAGAR | -100% | 121% | -100% | 253% | -71% | 229% | -64% | -13% | -64% | 181% | -100% | -100% |
| SANT RAVIDAS NAGAR | -100% | 231% | -31% | -100% | -100% | 80% | -42% | -6% | -94% | 501% | -100% | -100% |
| SHAHJAHANPUR | 85% | 298% | -87% | -44% | -100% | 182% | 34% | -22% | -59% | -52% | 217% | 21% |
| SHRAWASTI NAGAR | -59% | 50% | -100% | -100% | -100% | 69% | 16% | -2% | -25% | -29% | | |
| SIDDHARTH NAGAR | -74% | 92% | -100% | 25% | -100% | 346% | -29% | 3% | -41% | -12% | -100% | -100% |
| SITAPUR | -66% | 336% | -100% | -100% | -100% | 143% | 5% | 15% | -70% | -61% | -95% | -72% |
| SONBHADRA | -92% | 243% | 14% | 367% | -82% | 27% | 1% | 4% | -69% | 218% | -100% | -100% |
| SULTANPUR | -100% | 441% | -70% | -85% | -100% | 415% | -15% | -26% | -25% | 24% | -100% | -56% |
| UNNAO | -6% | 690% | -88% | -100% | -100% | 251% | -23% | -33% | -84% | 80% | -41% | -89% |
| VARANASI | -56% | 370% | -23% | 143% | -100% | 75% | -21% | -3% | -63% | 331% | -100% | -100% |
| UTTARAKHAND | | | | | | | | | | | | |
| ALMORA | 10% | 255% | -71% | -53% | -88% | 135% | -14% | -12% | -63% | -51% | 19% | -56% |
| BAGESHWAR | 77% | 304% | -73% | -22% | -74% | 353% | 14% | 2% | -29% | -73% | -72% | -81% |
| CHAMOLI | 11% | 136% | -64% | -40% | -78% | 349% | 92% | 29% | -27% | -36% | -68% | -99% |
| CHAMPAWAT | 33% | 248% | -85% | -83% | -77% | 152% | -16% | -47% | -68% | -53% | -94% | -85% |
| DEHRADUN | 107% | 257% | -72% | -71% | -70% | 357% | 2% | -11% | -27% | -21% | -31% | -76% |
| GARHWAL PAURI | 28% | 452% | -77% | -68% | -89% | 103% | -50% | -41% | -64% | -98% | -99% | -94% |
| GARHWAL TEHRI | 42% | 321% | -43% | -31% | -72% | 215% | -40% | -43% | -65% | -80% | -70% | -96% |
| HARDWAR | 162% | 411% | -95% | -96% | -70% | 267% | -8% | 12% | -69% | -17% | -100% | -44% |
| NAINITAL | 40% | 404% | -53% | 53% | -72% | 261% | -6% | -10% | -48% | -81% | -74% | -40% |
| PITHORAGARH | 74% | 178% | -71% | 44% | -45% | 34% | -3% | -36% | -51% | -51% | -56% | -61% |
| RUDRAPRAYAG | -1% | 182% | -62% | -65% | -96% | 184% | -28% | -52% | -46% | -61% | -77% | -100% |
| UDHAM SINGH NAGAR | -1% | 514% | -29% | -57% | -97% | 180% | -18% | -24% | -65% | -10% | -80% | -46% |
| UTTARKASHI | 28% | 233% | -48% | -39% | -74% | 252% | 2% | 12% | -23% | -18% | -83% | -98% |
| WEST BENGAL | | | | | | | | | | | | |
| BANKURA | -93% | -17% | 4% | 100% | 412% | 72% | -4% | 27% | 8% | 278% | -100% | -100% |

| DISTRICT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|-------|------|-------|------|------|------|------|------|------|------|-------|-------|
| BIRBHUM | -87% | -10% | -96% | 50% | 94% | -26% | -46% | 16% | -45% | 212% | -100% | -100% |
| BURDWAN | -36% | -21% | -77% | 10% | 122% | 6% | -51% | 20% | 0% | 243% | -100% | -100% |
| COOCH BEHAR | -100% | 3% | -94% | -9% | -30% | -34% | -17% | -52% | -24% | 29% | -72% | -100% |
| DARJEELING | -85% | -28% | -51% | -36% | 68% | 1% | -4% | -17% | -31% | 89% | -64% | -86% |
| EAST MIDNAPORE | -94% | -72% | -90% | 0% | 85% | -19% | 1% | 61% | 14% | 143% | -100% | -100% |
| HOOGLY | -82% | -67% | -91% | 12% | -14% | -8% | -30% | 8% | -23% | 177% | -100% | -100% |
| HOWRAH | -52% | -61% | -69% | -24% | -21% | -2% | -10% | 67% | -18% | 256% | -100% | -100% |
| JALPAIGURI | -86% | -22% | -78% | 1% | -7% | -5% | 17% | -11% | -1% | 26% | -69% | -99% |
| KOLKATA | -15% | -60% | -96% | -41% | 8% | 43% | -9% | 103% | 11% | 237% | -100% | -100% |
| MALDA | -100% | 43% | -91% | 23% | -38% | 6% | -52% | 25% | -49% | 116% | -89% | -100% |
| MURSHIDABAD | -100% | -91% | -97% | -1% | 121% | -27% | -65% | 21% | -24% | 62% | -100% | -100% |
| NADIA | -48% | -48% | -93% | -7% | 57% | -20% | -33% | 39% | -25% | 124% | -100% | -97% |
| NORTH 24 PARGANAS | -72% | -43% | -40% | 12% | 90% | 29% | -11% | 23% | -36% | 158% | -100% | -100% |
| NORTH DINAJPUR | -100% | 275% | -100% | 66% | -27% | 9% | -14% | 18% | -50% | 87% | -100% | -100% |
| PURULIA | -95% | -33% | -73% | 30% | 413% | -10% | -17% | -1% | -12% | 375% | -100% | -100% |
| SOUTH 24 PARGANAS | -79% | -75% | -92% | 12% | 62% | 12% | -22% | 49% | -13% | 78% | -99% | -100% |
| SOUTH DINAJPUR | -100% | -32% | -100% | 38% | -50% | -30% | -52% | 12% | -46% | 68% | -100% | -100% |
| WEST MIDNAPORE | -98% | -55% | -85% | -8% | 103% | -19% | 22% | 12% | 16% | 268% | -100% | -100% |

The statistics and chart for categorywise distribution of districts for different months have been given at [Table 23](#) and [Figure 84](#) respectively.

Table 23: Category-wise Number of Districts - Monthly - Year 2013

| CATEGORY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Excess | 81 | 381 | 82 | 189 | 99 | 348 | 182 | 148 | 107 | 344 | 39 | 34 |
| Normal | 45 | 34 | 56 | 79 | 68 | 135 | 184 | 232 | 162 | 102 | 32 | 36 |
| Deficient | 68 | 70 | 101 | 133 | 112 | 103 | 177 | 213 | 218 | 130 | 80 | 85 |
| Scanty | 157 | 81 | 218 | 134 | 161 | 34 | 77 | 31 | 133 | 45 | 150 | 147 |
| No Rain | 251 | 39 | 151 | 74 | 169 | 2 | 1 | 0 | 3 | 7 | 323 | 318 |
| No Data | 39 | 36 | 33 | 32 | 32 | 19 | 20 | 17 | 18 | 13 | 17 | 21 |

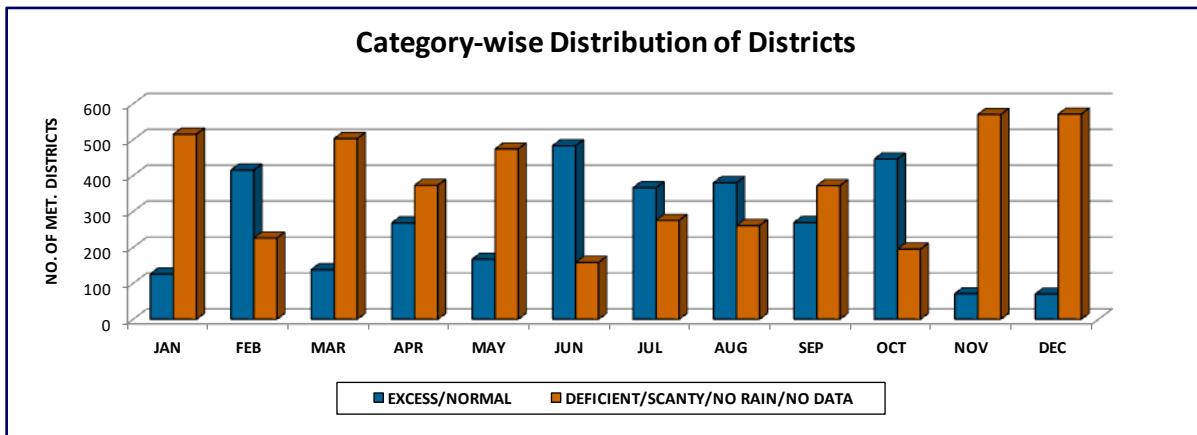


Figure 84: Monthly No. of Districts in different categories - 2013

METEOROLOGICAL DROUGHT – MONSOON 2013

India Meteorological Department (IMD) defines the Meteorological Drought based upon rainfall deficiency (SW monsoon, June-September) on sub-division basis for the country as a whole. The meteorological Droughts are classified into (a) moderate and (b) severe based on rainfall deficiency, i.e. 26 to 50% and more than 50% respectively.

During South-West Monsoon season 2013, none of the meteorological subdivisions received the rainfall that is less than 50% of its normal. However, the subdivisions, Arunachal Pradesh, Assam & Meghalaya, NMMT and Bihar received the rainfall less than 75% of their normals, contributes to 10.62 % area of the country.

The % area under different categories of Drought is given in [Table 24](#) have been depicted in [Figure 85](#). The lowest rainfall of 65% of its normal was received in Assam & Meghalaya.

Table 24: % Area under Meteorological Drought- Monsoon 2013

| CATEGORY | % AREA |
|-------------------|--------|
| Not Under Drought | 89% |
| Moderate Drought | 11% |
| Severe Drought | 0% |

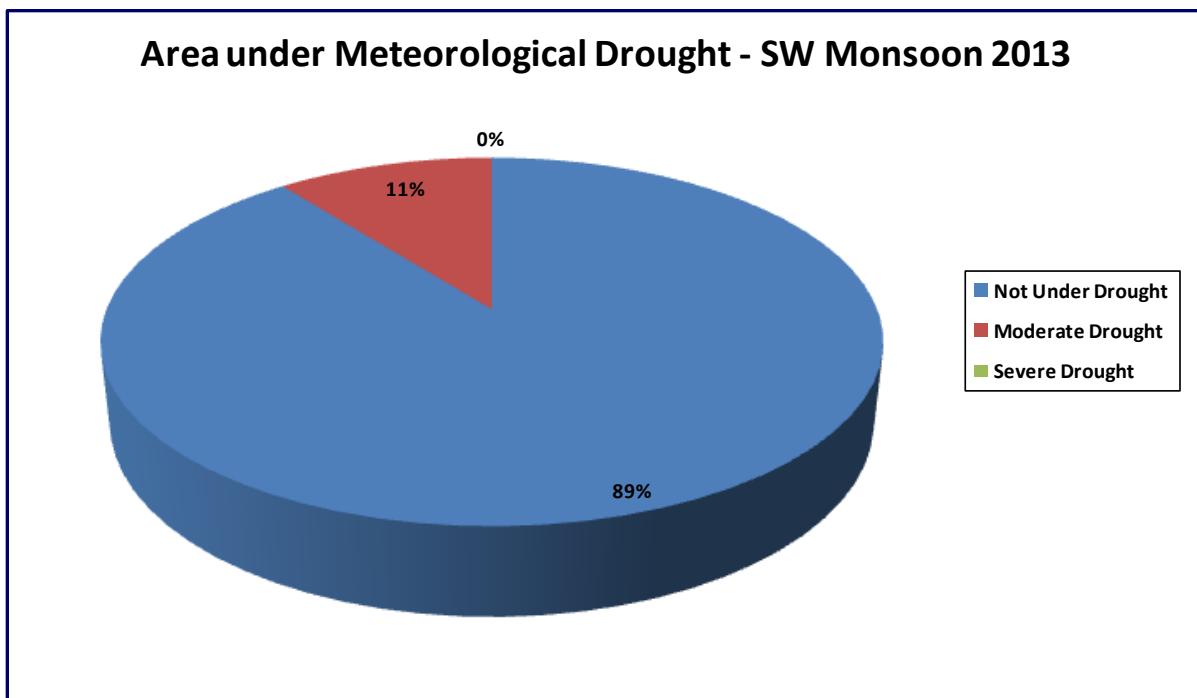


Figure 85: Area under Meteorological Drought

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

The seasonal, annual and monthly rainfall normals for the country, four broad meteorological regions, meteorological subdivisions and for the states of India have been given below in the tables from **Table 25** through **Table 30**. The rainfall normals are based on rainfall records for the period from 1951-2000.

Table 25: Region-wise Seasonal & Annual Rainfall Normals (mm)

| REGIONS | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-------------------------|--------|-------------|---------|--------------|--------|
| COUNTRY AS A WHOLE | 40.9 | 131.3 | 886.9 | 127.2 | 1186.2 |
| NORTH WEST INDIA | 77.2 | 110.9 | 615.0 | 62.7 | 865.8 |
| CENTRAL INDIA | 15.8 | 40.1 | 974.2 | 79.6 | 1109.6 |
| SOUTH PENINSULA | 15.3 | 124.1 | 715.7 | 273.9 | 1128.9 |
| EAST & NORTH EAST INDIA | 55.5 | 371.9 | 1437.8 | 171.2 | 2036.3 |

Table 26: Region-wise Monthly Rainfall Normals (mm)

| REGIONS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| COUNTRY AS A WHOLE | 18.8 | 22.1 | 30.7 | 38.2 | 62.3 | 163.5 | 288.9 | 261.0 | 173.5 | 80.6 | 29.7 | 16.8 |
| NORTH WEST INDIA | 36.7 | 40.6 | 48.1 | 30.2 | 32.6 | 69.4 | 218.2 | 215.5 | 111.9 | 30.4 | 12.0 | 20.2 |
| CENTRAL INDIA | 7.9 | 7.8 | 9.5 | 10.1 | 20.5 | 163.8 | 324.2 | 305.0 | 181.2 | 58.3 | 15.1 | 6.1 |
| SOUTH PENINSULA | 7.8 | 7.5 | 11.8 | 34.7 | 77.7 | 158.8 | 219.5 | 180.7 | 156.7 | 156.4 | 85.1 | 32.3 |
| EAST & NORTH EAST INDIA | 21.0 | 34.5 | 65.4 | 117.3 | 189.1 | 350.0 | 436.6 | 354.8 | 296.4 | 131.1 | 26.4 | 13.7 |

Table 27: 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 |
| ORISSA | 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 |

| METEOROLOGICAL SUBDIVISIONS | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------------------|--------|-------------|---------|--------------|--------|
| EAST MADHYA PRADESH | 35.3 | 25.1 | 1051.2 | 57.8 | 1169.4 |
| GUJARAT REGION | 1.1 | 6.4 | 901.0 | 34.9 | 943.4 |
| SAURASHTRA & KUTCH | 0.6 | 3.9 | 473.5 | 29.0 | 507.0 |
| KONKAN & GOA | 0.3 | 37.3 | 2914.3 | 148.6 | 3100.5 |
| 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 | 21.3 | 45.2 | 1147.3 | 76.9 | 1290.7 |
| 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 | 23.4 | 379.7 | 2039.6 | 480.7 | 2923.4 |
| LAKSHADWEEP | 35.5 | 232.4 | 998.5 | 333.6 | 1600.0 |

Table 28: 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 |
| GANGTIC 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 |
| ORISSA | 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 | 0.3 | 1.0 | 0.3 | 5.1 | 129.9 | 336.7 | 277.7 | 156.7 | 23.7 | 9.5 | 1.7 |
| SAURASHTRA & KUTCH | 0.4 | 0.2 | 1.2 | 0.2 | 2.5 | 85.9 | 188.2 | 124.6 | 74.8 | 17.9 | 10.3 | 0.8 |
| KONKAN & GOA | 0.1 | 0.2 | 0.3 | 2.7 | 34.3 | 700.0 | 1110.0 | 759.6 | 344.7 | 121.0 | 22.3 | 5.3 |
| 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 |

| METEOROLOGICAL SUBDIVISIONS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------------------|------|------|------|-------|-------|-------|--------|-------|-------|-------|-------|------|
| 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 | 10.7 | 10.6 | 13.3 | 13.8 | 18.1 | 182.8 | 376.2 | 373.3 | 215.0 | 62.3 | 8.8 | 5.8 |
| 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 |
| 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 | 14.7 | 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 29: 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 |
| ORISSA | 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 | 0.9 | 4.8 | 657.6 | 31.5 | 694.8 |
| DNH & DAMAN(UTs) | 0.7 | 7.4 | 2316.9 | 49.1 | 2374.1 |
| DIU(UT) | 1.4 | 1.5 | 646.7 | 47.7 | 697.3 |
| GOA | 0.6 | 95.3 | 2970.3 | 200.7 | 3266.9 |
| MAHARASHTRA | 8.2 | 33.2 | 1007.3 | 102.4 | 1151.1 |
| CHHATISGARH | 21.3 | 45.2 | 1147.3 | 76.9 | 1290.7 |

| STATES | WINTER | PRE-MONSOON | MONSOON | POST-MONSOON | ANNUAL |
|-----------------|--------|-------------|---------|--------------|--------|
| ANDHRA PRADESH | 13.2 | 76.6 | 608.9 | 214.2 | 912.9 |
| TAMILNADU | 30.8 | 128.5 | 317.0 | 436.1 | 912.4 |
| PONDICHERRY(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 30: 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 | 32.0 | 78.1 | 172.9 | 304.2 | 427.3 | 454.2 | 356.7 | 285.7 | 131.8 | 24.9 | 11.8 |
| MEGHALAYA | 16.4 | 23.9 | 75.5 | 210.2 | 432.3 | 779.9 | 923.0 | 607.7 | 476.6 | 237.8 | 42.3 | 11.8 |
| NAGALAND | 18.6 | 28.7 | 63.0 | 136.4 | 215.0 | 344.6 | 402.2 | 352.8 | 230.2 | 120.6 | 38.1 | 10.0 |
| MANIPUR | 20.9 | 70.9 | 90.6 | 180.4 | 251.9 | 566.5 | 662.5 | 575.3 | 352.2 | 210.4 | 68.0 | 11.0 |
| MIZORAM | 11.1 | 28.2 | 94.5 | 149.6 | 320.0 | 434.4 | 456.1 | 443.3 | 374.4 | 235.9 | 65.0 | 14.8 |
| TRIPURA | 11.3 | 33.6 | 93.9 | 222.8 | 393.5 | 463.7 | 410.9 | 353.9 | 260.6 | 176.5 | 43.2 | 11.2 |
| SIKKIM | 54.9 | 88.3 | 166.4 | 223.2 | 340.1 | 493.8 | 494.1 | 431.3 | 381.8 | 238.5 | 37.5 | 21.7 |
| WEST BENGAL | 14.3 | 19.6 | 28.7 | 54.1 | 132.2 | 303.1 | 411.5 | 362.5 | 313.8 | 128.5 | 21.2 | 7.3 |
| ORISSA | 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 | 17.5 | 13.3 | 10.1 | 5.3 | 15.8 | 93.2 | 282.3 | 293.1 | 177.9 | 46.4 | 4.5 | 7.1 |
| 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 | 15.0 | 12.5 | 7.3 | 14.0 | 45.2 | 163.8 | 171.2 | 80.1 | 17.4 | 5.0 | 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 | 4.4 | 4.6 | 3.6 | 3.6 | 10.9 | 44.1 | 156.8 | 150.9 | 66.9 | 10.5 | 4.8 | 2.4 |
| MADHYA PRADESH | 13.4 | 9.6 | 8.1 | 3.5 | 6.8 | 117.7 | 316.3 | 335.3 | 183.4 | 35.5 | 10.3 | 9.1 |
| GUJARAT | 0.7 | 0.5 | 1.3 | 0.4 | 3.8 | 104.5 | 251.7 | 190.9 | 110.0 | 20.3 | 10.1 | 1.4 |
| DNH & DAMAN(UTs) | 0.4 | 0.3 | 0.0 | 0.0 | 7.4 | 385.1 | 884.5 | 655.9 | 391.4 | 38.6 | 10.5 | 0.0 |
| DIU(UT) | 0.7 | 0.7 | 0.4 | 0.2 | 0.9 | 167.9 | 281.7 | 133.3 | 63.8 | 32.5 | 14.3 | 0.9 |
| GOA | 0.6 | 0.1 | 0.5 | 7.7 | 87.3 | 905.5 | 1103.5 | 680.9 | 280.2 | 155.1 | 35.0 | 10.1 |
| MAHARASHTRA | 4.6 | 3.3 | 6.0 | 7.4 | 19.9 | 204.7 | 338.9 | 283.6 | 180.0 | 75.2 | 19.2 | 7.4 |
| CHHATISGARH | 10.7 | 10.6 | 13.3 | 13.8 | 18.1 | 182.8 | 376.2 | 373.3 | 215.0 | 62.3 | 8.8 | 5.8 |
| ANDHRA PRADESH | 6.0 | 6.7 | 9.3 | 19.2 | 48.2 | 108.4 | 176.6 | 169.9 | 154.2 | 135.4 | 61.1 | 17.3 |
| TAMILNADU | 17.3 | 13.5 | 18.1 | 42.8 | 67.9 | 45.9 | 68.2 | 87.2 | 116.0 | 180.0 | 169.1 | 87.2 |
| PONDICHERRY(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 | 1.9 | 2.3 | 6.7 | 34.5 | 82.2 | 197.1 | 274.3 | 202.3 | 158.6 | 137.1 | 41.0 | 10.1 |
| KERALA | 8.7 | 14.7 | 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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**Hydromet Division, India Meteorological Department
(Ministry of Earth Sciences)
Mausam Bhawan, Lodi Road
New Delhi - 110003**