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# India

**Post:** New Delhi

# Southwest Monsoon Closes Out - Lower Rainfall Shapes Yields

**Report Categories:**
Agricultural Situation
Climate Change/Global Warming/Food Security
Grain and Feed
Oilseeds and Products
Cotton and Products

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**Report Highlights:**
According to the Indian Meteorological Department (IMD), the cumulative rainfall for the Southwest Monsoon 2017 (June to September) was five percent lower than the fifty-year average and two percent lower than last year's monsoon. The first GOI advance production estimates for 2017 indicate lower production for major Kharif crops as moisture availability likely influenced optimal crop yields.

**General Information:**

**Southwest Monsoon and Kharif Planting Review**

The Southwest Monsoon officially ended on September 30, 2017. According to the IMD, the cumulative rainfall from June to September 2017 was five percent below the fifty-year average and two percent below last year (see Table 1). During the Southwest Monsoon 2017, seven states recorded deficient rains (i.e., greater than 11 percent departure from normal); including, Punjab, Madhya Pradesh, Uttar Pradesh, New Delhi (UT), Chandigarh (UT), Nagaland and Manipur (see Figure 1).

The rainfall in June and July indicated that most parts of the country received above normal rains (3 percent), but rainfall during August and September was below normal (12.5 percent). For more details, refer to Figure 5. The precipitation levels in the East and Northeast regions in June and the Southern Peninsula region in July were deficit, but moved above normal levels in August. The long dry spells in Central and Southern regions in August resulted in low water storage levels (see Table 2) and limited access to irrigation water.

The initial onset of the monsoon supported Kharif planting as overall planting acreage increased by three percent compared to normal area (see Table 3). In comparison to last year, the pronounced acreage increase was for cotton (19 percent) and sugarcane (9 percent), while acreage reductions occurred for oilseeds (9 percent) and pulses (4 percent). The acreage shifts occurred even though increases in minimum support prices (MSP) were designed to target specific commodities. MSP rates in MY 2017-18 for soybeans were increased by 10 percent, pulses by 6-8 percent, and cotton by 3-4 percent compared to last year. The GOI forecast year-over-year declining production estimates for rice, pulses, coarse cereals, and oilseeds in the first advance estimates of production for MY 2017/18.

**Outlook for Northeast Monsoon**

The Southern India Peninsula, consisting of five agro climatic areas (Tamil Nadu, Coastal Andhra Pradesh, Rayalaseema, Kerala and south interior Karnataka), receives about 30 percent of its annual rainfall during the Northeast Monsoon which runs from October through December. Tamil Nadu in particular receives about 48 percent of its annual rainfall during this season.

The IMD forecast for the 2017 Northeast Monsoon over the Southern Peninsula is that it will be receive normal (between 89 -111 percent of the long-period average) rainfall. (NOTE: the long period average (LPA), or average for the period of 1951 to 2000, for rainfall over the area is 332.1millimeters).

IMD forecast heavy to very heavy rains for the days between October 9 to 13, in the East and Northeast as well as the Peninsula region. October rains provide moisture which supports the Rabi (winter) crop planting.

**Table 1. India: Regional Rainfall Distribution from June 1, 2017 – September 30, 2017**

| Regions | 2017 | 2016 | Normal | Y-o-Y | 2017 Percentage |
|---|---|---|---|---|---|

| | Actual (mm) | Actual (mm) | (mm)* | Percentage Departure | Departure from Normal |
|---|---|---|---|---|---|
| Northwest India | 552.9 | 584.2 | 615.0 | -5% | -10% |
| Central India | 918.8 | 1034.1 | 975.5 | -11% | -6% |
| Southern Peninsula | 717.6 | 661.5 | 716.1 | 8% | 0% |
| East and Northeast India | 1386.4 | 1281.5 | 1438.3 | 8% | -4% |
| **All India** | **841.3** | **862.0** | **887.5** | **-2%** | **-5%** |

* Normal rainfall is the fifty year average of rainfall from 1951-2000
Source: Indian Meteorological Department

**Table 2. India Storage Status at 91 Major Reservoirs on Oct 6, 2017**
Regional Water Storage Levels as Percentage of Full Reservoir Level

| Region | Current Storage (in billion cubic meter) | Total Capacity (in billion cubic meter | 2017 | 2016 | 10 Years Average |
|---|---|---|---|---|---|
| Northern Region | 14.73 | 18.01 | 82% | 75% | 81% |
| Eastern Region | 14.51 | 18.83 | 77% | 85% | 78% |
| Western Region | 20.77 | 27.07 | 77% | 83% | 80% |
| Central Region | 27.38 | 42.30 | 65% | 91% | 73% |
| Southern Region | 28.46 | 51.59 | 55% | 53% | 72% |
| **All India** | **105.85** | **157.80** | **67%** | **79%** | **82%** |

Source: Ministry of Water Resources, Government of India

States having improved water storage levels in their reservoirs as a result of the Southwest Monsoon are Himachal Pradesh, Punjab, Tripura, Uttarakhand, Karnataka, Kerala and Tamil Nadu. Maharashtra has an equal storage level in comparison with last year. States with reduced storage volumes in comparison with last year are: Rajasthan, Jharkhand, Odisha, West Bengal, Gujarat, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Andhra Pradesh and Telangana.

On September 25, 2017, the Ministry of Agriculture and Farmers Welfare published the first advance estimates of production of major Kharif corps for 2017-18. The production assessment of different crops is based on state-level feedback and is validated with information from other sources. The production estimate of most crops during the current Kharif season is higher the five-year average. However, the estimated production forecast for rice, pulses, coarse cereals, and oilseeds is lower than last year. However, it is important to note that these are preliminary estimates which will be revised several times over the season. For more details, refer to the First Advance Estimates of Production of Major Kharif

Crops 2017-18

**Table 3. India. Kharif 2017 Sown Area (in million hectares)**

| Crop | Area Sown in 2017 on Sep 29, 2017 | Area Sown in 2016 on Sep 29, 2016 | Normal Area on Sep 29** | Y-o-Y Change | Change from Normal |
|---|---|---|---|---|---|
| Rice | 37.908 | 38.237 | 37.656 | -1% | 1% |
| Pulses | 14.201 | 14.747 | 11.697 | -4% | 21% |
| Coarse Cereals | 18.680 | 18.978 | 18.295 | -2% | 2% |
| Oilseeds | 17.341 | 19.026 | 18.571 | -9% | -7% |
| Sugarcane | 4.995 | 4.564 | 4.949 | 9% | 1% |
| Jute and Mesta | 0.708 | 0.757 | 0.793 | -6% | -11% |
| Cotton | 12.259 | 10.279 | 11.501 | 19% | 7% |
| **Total** | **106.092** | **106.588** | **103.462** | **0%** | **3%** |

Source: Ministry of Agriculture and Farmers Welfare, Government of India
** Normal Area is the five year average of the area from 2011-2015

**Table 4. India. First Advance Estimates of Production of Major Kharif Crops for 2017-18 (in million metric tons)**

| Crop | 1st Advance Estimates 2017 | Target 2017 | 1st Advance Estimates 2016 | 4th Advance Estimates 2016 | Final Advance Estimates 2015 |
|---|---|---|---|---|---|
| Rice | 94.48 | 94.50 | 93.88 | 96.39 | 91.41 |
| Pulses | 8.71 | 8.75 | 8.70 | 9.42 | 5.53 |
| Coarse Cereals | 31.49 | 33.75 | 32.45 | 32.71 | 28.15 |
| Oilseeds | 20.68 | 25.40 | 23.36 | 22.40 | 16.68 |
| Sugarcane | 337.69 | 355.00 | 305.24 | 306.72 | 348.45 |
| Jute and Mesta /1 | 10.33 | 11.80 | 10.41 | 10.60 | 10.52 |
| Cotton /2 | 32.27 | 35.50 | 32.12 | 33.09 | 30.01 |

Source: Ministry of Agriculture and Farmers Welfare, Government of India
/1 in million 180 kg bales
/2 in million170 kg bales

# Figure 1. India. Rainfall Distribution from June to September 2017 by State

India Meteorological Department
Hydromet Division, New Delhi

STATE-WISE RAINFALL DISTRIBUTION

| S NO | MET. SUBDIVISION/UT/STATE/DISTRICT | Week:28-09-2017 To 04-10-2017 | | | | Period:01-06-2017 To 30-09-2017 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | ACTUAL (mm) | NORMAL (mm) | %DEP. | CAT. | ACTUAL (mm) | NORMAL (mm) | % DEP. | CAT. |
| REGION : EAST AND NORTH EAST INDIA | | | | | | | | | |
| 1 | ARUNACHAL PRADESH | 94.5 | 70.0 | 35% | E | 1572.3 | 1768.0 | -11% | N |
| 2 | ASSAM | 98.0 | 46.1 | 113% | LE | 1471.1 | 1523.4 | -3% | N |
| 3 | MEGHALAYA | 181.5 | 80.9 | 124% | LE | 2607.3 | 2786.6 | -6% | N |
| 4 | NAGALAND | 50.8 | 50.3 | 1% | N | 1001.8 | 1329.9 | -25% | D |
| 5 | MANIPUR | 63.9 | 73.0 | -12% | N | 942.1 | 1404.5 | -33% | D |
| 6 | MIZORAM | 80.2 | 77.7 | 3% | N | 3038.5 | 1708.3 | 78% | LE |
| 7 | TRIPURA | 53.8 | 56.2 | -4% | N | 1886.0 | 1489.1 | 27% | E |
| 8 | SIKKIM | 36.9 | 84.8 | -56% | D | 1997.3 | 1800.8 | 11% | N |
| 9 | WEST BENGAL | 66.2 | 63.3 | 5% | N | 1359.7 | 1390.4 | -2% | N |
| 10 | JHARKHAND | 44.7 | 37.9 | 18% | N | 978.8 | 1091.9 | -10% | N |
| 11 | BIHAR | 25.4 | 38.5 | -34% | D | 936.8 | 1027.6 | -9% | N |
| REGION : NORTH WEST INDIA | | | | | | | | | |
| 1 | UTTAR PRADESH | 1.3 | 23.1 | -94% | LD | 602.5 | 846.1 | -29% | D |
| 2 | UTTARAKHAND | 2.7 | 24.2 | -89% | LD | 1199.0 | 1229.1 | -2% | N |
| 3 | HARYANA | 0.0 | 7.9 | -99% | LD | 341.9 | 459.8 | -26% | D |
| 4 | CHANDIGARH (UT) | 0.0 | 10.3 | -100% | NR | 752.8 | 844.2 | -11% | N |
| 5 | DELHI (UT) | 0.0 | 8.5 | -100% | NR | 442.6 | 636.2 | -30% | D |
| 6 | PUNJAB | 0.0 | 11.0 | -100% | NR | 384.9 | 491.9 | -22% | D |
| 7 | HIMACHAL PRADESH | 1.3 | 14.2 | -91% | LD | 720.7 | 825.3 | -13% | N |
| 8 | JAMMU & KASHMIR | 0.4 | 9.4 | -96% | LD | 545.4 | 534.6 | 2% | N |
| 9 | RAJASTHAN | 0.0 | 4.8 | -99% | LD | 454.4 | 419.0 | 8% | N |
| REGION : CENTRAL INDIA | | | | | | | | | |
| 1 | ODISHA | 48.2 | 36.4 | 32% | E | 1051.7 | 1149.9 | -9% | N |
| 2 | MADHYA PRADESH | 1.6 | 16.7 | -91% | LD | 763.1 | 952.3 | -20% | D |
| 3 | GUJARAT | 0.0 | 11.4 | -100% | NR | 798.8 | 672.7 | 19% | N |
| 4 | DADAR & NAGAR HAVELI (UT) | 0.0 | 40.8 | -100% | NR | 3050.7 | 2162.3 | 41% | E |
| 5 | DAMAN & DIU (UT) | 0.0 | 28.7 | -100% | NR | 1960.6 | 1620.4 | 21% | E |
| 6 | GOA | 72.1 | 71.6 | 1% | N | 2563.6 | 2970.3 | -14% | N |
| 7 | MAHARASHTRA | 16.8 | 34.3 | -51% | D | 1006.5 | 1007.3 | 0% | N |
| 8 | CHHATTISGARH | 30.0 | 25.2 | 19% | N | 1039.4 | 1153.3 | -10% | N |
| REGION : SOUTH PENINSULA | | | | | | | | | |
| 1 | ANDAMAN & NICOBAR (UT) | 89.4 | 105.3 | -15% | N | 1526.0 | 1682.5 | -9% | N |
| 2 | ANDHRA PRADESH | 59.8 | 43.2 | 38% | E | 597.0 | 504.4 | 18% | N |
| 3 | TELANGANA | 57.2 | 32.5 | 76% | LE | 657.4 | 755.2 | -13% | N |
| 4 | TAMIL NADU | 27.9 | 33.6 | -17% | N | 414.2 | 317.0 | 31% | E |
| 5 | PONDICHERRY (UT) | 21.9 | 31.6 | -31% | D | 389.9 | 355.0 | 10% | N |
| 6 | KARNATAKA | 83.1 | 47.9 | 74% | LE | 796.9 | 832.2 | -4% | N |
| 7 | KERALA | 76.2 | 71.8 | 6% | N | 1857.4 | 2039.6 | -9% | N |
| 8 | LAKSHADWEEP (UT) | 34.7 | 42.3 | -18% | N | 1108.3 | 996.5 | 11% | N |
| | COUNTRY : | 28.3 | 29.2 | -3% | | 841.3 | 887.5 | -5% | |

CATEGORYWISE DISTRIBUTION OF NO.OF STATES

| CATEGORY | Week:28-09-2017 To 04-10-2017 | Period:01-06-2017 To 30-09-2017 |
|---|---|---|
| | NO.OF STATES | NO.OF STATES |
| Large Excess | 4 | 1 |
| Excess | 3 | 4 |
| Normal | 12 | 24 |
| Deficient | 4 | 7 |
| Large Deficient | 7 | 0 |
| NoRain | 6 | 0 |
| NoData | 0 | 0 |

# Figure 2. India. Rainfall distribution from June to September 2017 by Subdivision

India Meteorological Department
Hydromet Division, New Delhi

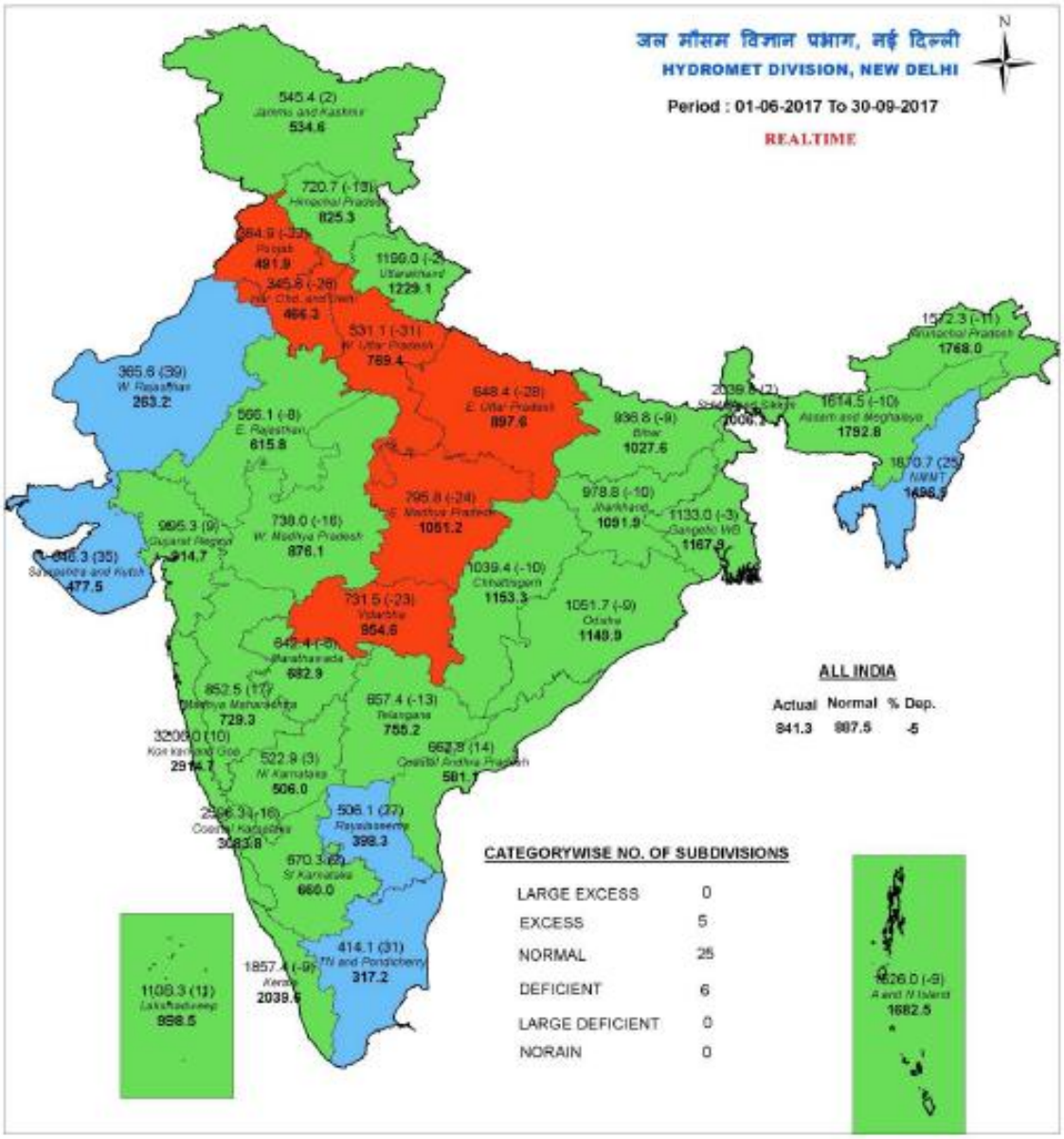
SUBDIVISION-WISE RAINFALL DISTRIBUTION

| S NO | MET SUBDIVISION/UT/STATE/DISTRICT | Day:30-09-2017 ACTUAL (mm) | NORMAL (mm) | %DEP. | CAT. | Period:01-06-2017 To 30-09-2017 ACTUAL (mm) | NORMAL (mm) | % DEP. | CAT. |
|---|---|---|---|---|---|---|---|---|---|
| | REGION : EAST AND NORTH EAST INDIA | 17.2 | 7.0 | 146% | | 1386.4 | 1438.3 | -4% | |
| 1 | ARUNACHAL PRADESH | 11.1 | 8.4 | 32% | E | 1572.3 | 1768.0 | -11% | N |
| 2 | ASSAM & MEGHALAYA | 43.9 | 6.6 | 565% | LE | 1614.5 | 1792.8 | -10% | N |
| 3 | N M M T | 14.8 | 8.3 | 78% | LE | 1870.7 | 1496.9 | 25% | E |
| 4 | SHWB & SIKKIM | 28.5 | 9.3 | 206% | LE | 2039.8 | 2006.2 | 2% | N |
| 5 | GANGETIC WEST BENGAL | 13.8 | 9.6 | 44% | E | 1133.0 | 1167.9 | -3% | N |
| 6 | JHARKHAND | 9.0 | 5.2 | 74% | LE | 978.8 | 1091.9 | -10% | N |
| 7 | BIHAR | 1.9 | 4.1 | -53% | D | 936.8 | 1027.6 | -9% | N |
| | REGION : NORTH WEST INDIA | 0.1 | 1.4 | -93% | | 552.9 | 615.0 | -10% | |
| 1 | EAST UTTAR PRADESH | 0.6 | 2.9 | -81% | LD | 648.4 | 897.6 | -28% | D |
| 2 | WEST UTTAR PRADESH | 0.0 | 1.7 | -100% | NR | 531.1 | 769.4 | -31% | D |
| 3 | UTTARAKHAND | 0.4 | 2.3 | -84% | LD | 1199.0 | 1229.1 | -2% | N |
| 4 | HAR. CHD & DELHI | 0.0 | 0.9 | -100% | NR | 345.8 | 466.3 | -26% | D |
| 5 | PUNJAB | 0.0 | 1.6 | -100% | NR | 384.9 | 491.9 | -22% | D |
| 6 | HIMACHAL PRADESH | 0.0 | 1.8 | -100% | NR | 720.7 | 825.3 | -13% | N |
| 7 | JAMMU & KASHMIR | 0.0 | 1.1 | -100% | NR | 545.4 | 534.6 | 2% | N |
| 8 | WEST RAJASTHAN | 0.0 | 0.3 | -100% | NR | 365.6 | 263.2 | 39% | E |
| 9 | EAST RAJASTHAN | 0.0 | 1.0 | -100% | NR | 566.1 | 615.8 | -8% | N |
| | REGION : CENTRAL INDIA | 2.7 | 3.5 | -22% | | 918.8 | 975.5 | -6% | |
| 1 | ODISHA | 6.3 | 5.4 | 17% | N | 1051.7 | 1149.9 | -9% | N |
| 2 | WEST MADHYA PRADESH | 0.0 | 2.5 | -100% | NR | 738.0 | 876.1 | -16% | N |
| 3 | EAST MADHYA PRADESH | 0.0 | 1.9 | -100% | NR | 795.8 | 1051.2 | -24% | D |
| 4 | GUJARAT REGION | 0.0 | 3.3 | -100% | NR | 995.3 | 914.7 | 9% | N |
| 5 | SAURASHTRA & KUTCH | 0.0 | 1.3 | -100% | NR | 646.3 | 477.5 | 35% | E |
| 6 | KONKAN & GOA | 17.4 | 9.5 | 83% | LE | 3206.0 | 2914.7 | 10% | N |
| 7 | MADHYA MAHARASHTRA | 4.8 | 5.4 | -10% | N | 852.5 | 729.3 | 17% | N |
| 8 | MARATHWADA | 0.2 | 4.0 | -96% | LD | 642.4 | 682.9 | -6% | N |
| 9 | VIDARBHA | 0.6 | 2.6 | -78% | LD | 731.5 | 954.6 | -23% | D |
| 10 | CHHATTISGARH | 6.0 | 3.3 | 83% | LE | 1039.4 | 1153.3 | -10% | N |
| | REGION : SOUTH PENINSULA | 6.8 | 6.1 | 11% | | 717.6 | 716.1 | 0% | |
| 1 | A & N ISLAND | 11.9 | 13.7 | -13% | N | 1526.0 | 1682.5 | -9% | N |
| 2 | COASTAL ANDHRA PRADESH | 7.9 | 6.2 | 27% | E | 662.8 | 581.1 | 14% | N |
| 3 | TELANGANA | 11.8 | 4.5 | 162% | LE | 657.4 | 755.2 | -13% | N |
| 4 | RAYALASEEMA | 2.8 | 6.3 | -55% | D | 506.1 | 398.3 | 27% | E |
| 5 | TAMILNADU & PONDICHERY | 0.9 | 4.5 | -81% | LD | 414.1 | 317.2 | 31% | E |
| 6 | COASTAL KARNATAKA | 7.0 | 11.2 | -37% | D | 2596.3 | 3083.8 | -16% | N |
| 7 | N. I. KARNATAKA | 9.6 | 6.3 | 52% | E | 522.9 | 506.0 | 3% | N |
| 8 | S. I. KARNATAKA | 7.6 | 6.3 | 20% | E | 670.3 | 660.0 | 2% | N |
| 9 | KERALA | 7.6 | 9.8 | -23% | D | 1857.4 | 2039.6 | -9% | N |
| 10 | LAKSHADWEEP | 2.7 | 5.3 | -48% | D | 1108.3 | 998.5 | 11% | N |
| | COUNTRY : | 5.0 | 3.9 | 29% | | 841.3 | 887.5 | -5% | |

CATEGORYWISE NO.OF SUBDIVISIONS AND % AREA(SUBDIVISIONAL)OF THE COUNTRY

| CATEGORY | Day:30-09-2017 NO.OF SUBDIVISIONS | SUBDIVISIONAL %AREA OF COUNTRY | Period:01-06-2017 To 30-09-2017 NO.OF SUBDIVISIONS | SUBDIVISIONAL %AREA OF COUNTRY |
|---|---|---|---|---|
| Large Excess | 7 | 17% | 0 | 0% |
| Excess | 5 | 13% | 5 | 18% |
| Normal | 3 | 8% | 25 | 65% |
| Deficient | 5 | 7% | 6 | 17% |
| Large Deficient | 5 | 15% | 0 | 0% |
| NoRain | 11 | 40% | 0 | 0% |

**Figure 3. India. Subdivision Rainfall Map for June to September 2017**




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

**Figure 4. India. Actual and Cumulative Rainfall over four Homogeneous Regions From June to September, 2017**

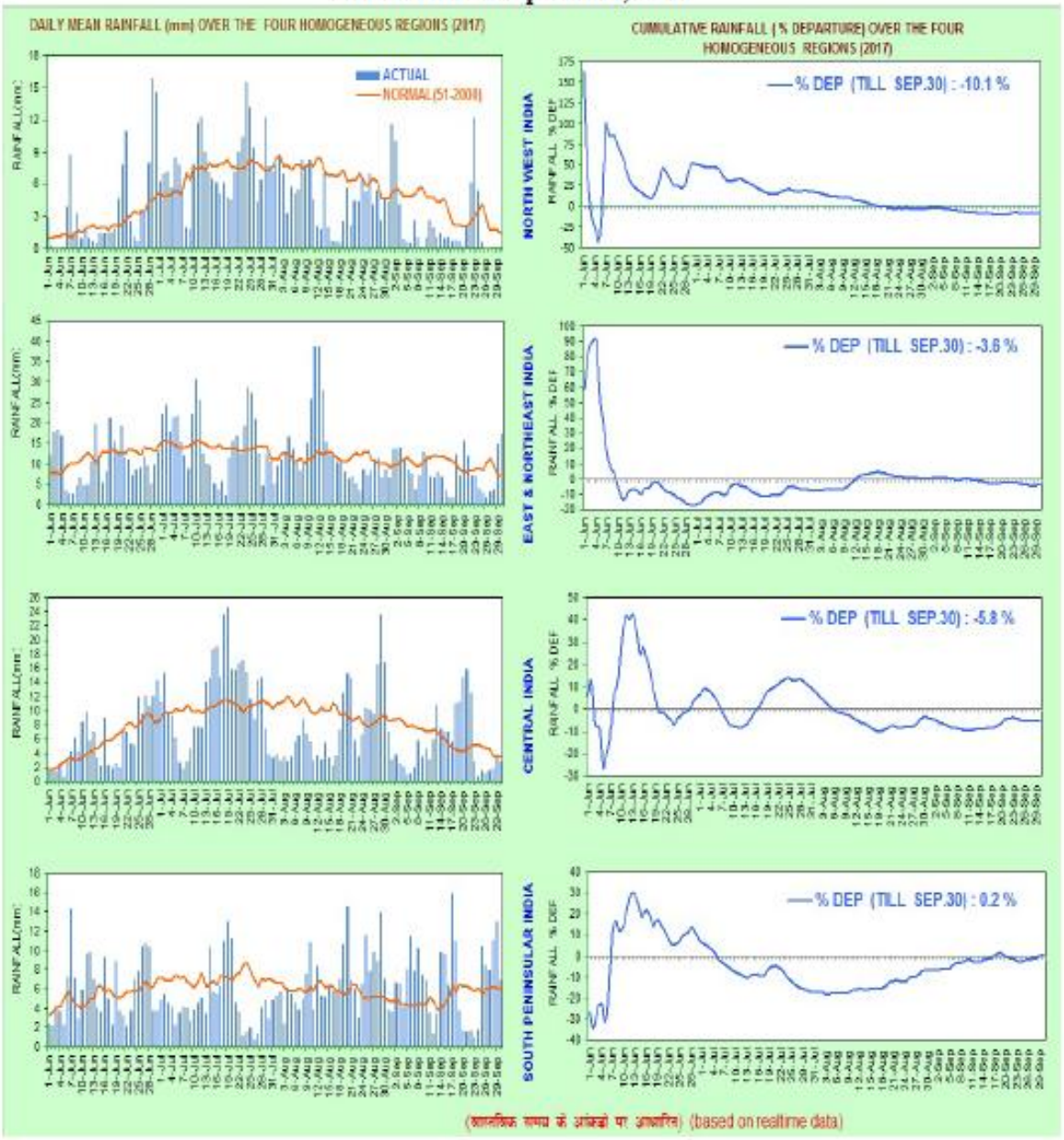


Figure 5. India. Rainfall Statistics – Southwest Monsoon 2017

## RAINFALL STATISTICS - MONSOON 2017

| JUNE - 2017 | | | |
|---|---|---|---|
| REGION | ACTUAL | NORMAL | % DEP |
| COUNTRY AS A WHOLE | 170.2 | 163.6 | 4.0 |
| NORTHWEST INDIA | 104.8 | 69.1 | 52 |
| EAST & NORTHEAST INDIA | 288.1 | 349.9 | -18 |
| CENTRAL INDIA | 173.0 | 164.3 | 5 |
| SOUTH PENINSULA | 172.0 | 158.9 | 8 |

| JULY - 2017 | | | |
|---|---|---|---|
| REGION | ACTUAL | NORMAL | % DEP |
| COUNTRY AS A WHOLE | 294.0 | 289.2 | 1.7 |
| NORTHWEST INDIA | 232.8 | 218.2 | 7 |
| EAST & NORTHEAST INDIA | 464.0 | 436.7 | 6 |
| CENTRAL INDIA | 359.0 | 324.8 | 11 |
| SOUTH PENINSULA | 140.7 | 219.9 | -36 |

| AUGUST - 2017 | | | |
|---|---|---|---|
| REGION | ACTUAL | NORMAL | % DEP |
| COUNTRY AS A WHOLE | 228.1 | 261.3 | -12.7 |
| NORTHWEST INDIA | 144.8 | 215.6 | -33 |
| EAST & NORTHEAST INDIA | 406.9 | 355.1 | 15 |
| CENTRAL INDIA | 230.7 | 305.0 | -24 |
| SOUTH PENINSULA | 209.1 | 180.7 | 16 |

| SEPTEMBER - 2017 | 1 TO | | 30-Sep |
|---|---|---|---|
| REGION | ACTUAL | NORMAL | % DEP |
| COUNTRY AS A WHOLE | 152.4 | 173.7 | -12 |
| NORTHWEST INDIA | 70.6 | 111.9 | -37 |
| EAST & NORTHEAST INDIA | 13.5 | 296.4 | -16 |
| CENTRAL INDIA | 156.2 | 181.9 | -14 |
| SOUTH PENINSULA | 196.4 | 156.6 | 25 |

| JULY + AUGUST 2017 CUMULATIVE | 1-Jul | TO | 31-Aug |
|---|---|---|---|
| REGION | ACTUAL | NORMAL | % DEP |
| COUNTRY AS A WHOLE | 522.2 | 550.5 | -5.1 |
| NORTHWEST INDIA | 377.6 | 433.8 | -13 |
| EAST & NORTHEAST INDIA | 870.9 | 791.8 | 10 |
| CENTRAL INDIA | 589.7 | 629.8 | -6 |
| SOUTH PENINSULA | 349.8 | 400.6 | -13 |

| AUGUST + SEPT 2017 CUMULATIVE | 1-Aug | TO | 30-Sep |
|---|---|---|---|
| REGION | ACTUAL | NORMAL | % DEP |
| COUNTRY AS A WHOLE | 380.5 | 435.0 | -12.5 |
| NORTHWEST INDIA | 215.4 | 327.5 | -34 |
| EAST & NORTHEAST INDIA | 420.4 | 651.5 | -35 |
| CENTRAL INDIA | 386.9 | 486.9 | -21 |
| SOUTH PENINSULA | 405.5 | 337.3 | 20 |

| CUMULATIVE SEASONAL RAINFALL | 1-Jun | TO | 30-Sep |
|---|---|---|---|
| REGION | ACTUAL | NORMAL | % DEP |
| COUNTRY AS A WHOLE | 841.3 | 887.5 | -5.2 |
| NORTHWEST INDIA | 552.9 | 615.0 | -10 |
| EAST & NORTHEAST INDIA | 1386.4 | 1438.3 | -4 |
| CENTRAL INDIA | 918.8 | 975.5 | -6 |
| SOUTH PENINSULA | 717.6 | 716.1 | 0 |

*(Based on real time data)*

FOUR HOMOGENEOUS REGIONS OF INDIA