

3. CLIMATE AND RAINFALL

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3. CLIMATE AND RAINFALL

3.1 TEMPERATURE AT SELECT STATIONS IN TAMIL NADU 2014-15 (in Celsius)

Station: NUNGAMBAKKAM (Chennai North)

| Year and Month | | Maximum | | Minimum | | Humidity in % | |
|----------------|-----------|---------|------|---------|------|---------------|-------------|
| | | Highest | Mean | Lowest | Mean | 8.30 Hours | 17.30 Hours |
| 2014 | June | 41.8 | 38.6 | 23.0 | 29.2 | 64 | 66 |
| | July | 39.2 | 36.4 | 23.6 | 28.0 | 70 | 65 |
| | August | 38.5 | 34.6 | 22.9 | 26.6 | 78 | 74 |
| | September | 36.7 | 34.3 | 23.7 | 26.3 | 77 | 75 |
| | October | 36.2 | 32.3 | 23.4 | 25.7 | 82 | 80 |
| | November | 32.5 | 30.3 | 21.3 | 23.8 | 82 | 77 |
| | December | 31.8 | 29.2 | 21.0 | 23.4 | 83 | 76 |
| 2015 | January | 31.3 | 29.8 | 19.0 | 22.2 | 83 | 73 |
| | February | 33.1 | 30.9 | 20.8 | 22.3 | 81 | 71 |
| | March | 35.1 | 32.9 | 23.2 | 25.2 | 74 | 67 |
| | April | 36.8 | 34.6 | 23.5 | 27.2 | 72 | 69 |
| | May | 42.2 | 36.6 | 25.6 | 28.7 | 69 | 69 |

Station: MEENAMBAKKAM (PBO Chennai)

| Year and Month | | Maximum | | Mean Minimum | | Humidity in % | |
|----------------|-----------|---------|------|--------------|------|---------------|-------------|
| | | Highest | Mean | Lowest | Mean | 8.30 Hours | 17.30 Hours |
| 2014 | June | 41.8 | 38.7 | 23.0 | 28.0 | 60 | 57 |
| | July | 39.1 | 36.4 | 22.4 | 26.9 | 63 | 53 |
| | August | 38.7 | 34.9 | 22.2 | 25.5 | 70 | 62 |
| | September | 36.5 | 33.9 | 22.1 | 25.1 | 76 | 67 |
| | October | 37.5 | 32.4 | 22.5 | 24.7 | 80 | 75 |
| | November | 32.8 | 30.2 | 20.5 | 23.0 | 80 | 72 |
| | December | 31.4 | 28.9 | 19.9 | 22.3 | 83 | 73 |
| 2015 | January | 30.9 | 29.5 | 17.9 | 20.7 | 82 | 64 |
| | February | 33.4 | 31.1 | 19.6 | 20.9 | 78 | 60 |
| | March | 36.3 | 33.4 | 21.1 | 23.7 | 73 | 63 |
| | April | 38.0 | 34.9 | 22.0 | 25.7 | 71 | 65 |
| | May | 42.4 | 36.7 | 24.4 | 27.1 | 69 | 65 |

3.1 TEMPERATURE AT SELECT STATIONS IN TAMIL NADU 2014-15 (in Celsius) (Contd.)

Station: SALEM

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2014 | June | 38.7 | 36.1 | 21.3 | 23.7 | 72 | 46 |
| | July | 37.0 | 34.2 | 22.0 | 23.1 | 69 | 45 |
| | August | 35.4 | 32.9 | 20.5 | 22.5 | 75 | 56 |
| | September | 37.0 | 34.3 | 20.1 | 22.5 | 72 | 50 |
| | October | 35.1 | 31.9 | 20.0 | 21.5 | 81 | 66 |
| | November | 32.5 | 30.2 | 16.6 | 20.0 | 76 | 59 |
| | December | 33.6 | 30.6 | 16.5 | 19.8 | 74 | 55 |
| 2015 | January | 34.2 | 31.7 | 16.2 | 18.7 | 78 | 48 |
| | February | 36.2 | 34.1 | 17.0 | 18.7 | 76 | 40 |
| | March | 40.6 | 36.5 | 19.5 | 22.9 | 71 | 34 |
| | April | 39.5 | 36.2 | 19.6 | 24.8 | 74 | 46 |
| | May | 37.8 | 34.7 | 22.1 | 25.4 | 75 | 61 |

Station: KOVILANKULAM (ARUPPUKOTTAI)

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2014 | June | 40.0 | 39.0 | 25.0 | 26.0 | 69 | 58 |
| | July | 39.5 | 38.0 | 22.0 | 25.0 | 65 | 55 |
| | August | 39.5 | 37.0 | 23.0 | 25.0 | 69 | 61 |
| | September | 39.0 | 37.0 | 23.0 | 25.0 | 70 | 61 |
| | October | 37.0 | 33.0 | 22.0 | 23.5 | 84 | 71 |
| | November | 34.0 | 30.0 | 19.5 | 22.0 | 88 | 69 |
| | December | 33.0 | 30.0 | 17.0 | 21.0 | 85 | 68 |
| 2015 | January | 34.0 | 32.4 | 15.3 | 19.5 | 80 | 58 |
| | February | 37.0 | 35.0 | 16.8 | 20.0 | 74 | 58 |
| | March | 38.5 | 38.0 | 19.8 | 23.0 | 72 | 60 |
| | April | 39.5 | 37.0 | 21.5 | 24.0 | 76 | 63 |
| | May | 40.0 | 37.0 | 21.3 | 25.0 | 71 | 63 |

**3.1 TEMPERATURE16.0AT SELECT STATIONS
IN TAMIL NADU 2014-2015 (in Celsius) (Contd.)**

Station: AMS TIRUCHIRAPPALLI

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2014 | June | 41.5 | 39.0 | 25.3 | 26.5 | 60 | 38 |
| | July | 40.0 | 37.5 | 25.1 | 26.7 | 57 | 39 |
| | August | 39.1 | 36.9 | 22.3 | 25.4 | 67 | 48 |
| | September | 39.2 | 37.1 | 23.9 | 25.4 | 65 | 46 |
| | October | 37.9 | 33.6 | 22.4 | 24.8 | 79 | 63 |
| | November | 33.9 | 30.1 | 21.4 | 23.3 | 84 | 72 |
| | December | 32.7 | 29.5 | 19.0 | 22.2 | 83 | 72 |
| 2015 | January | 33.1 | 31.3 | 17.8 | 21.1 | 80 | 52 |
| | February | 36.1 | 33.2 | 19.4 | 21.5 | 76 | 38 |
| | March | 39.1 | 36.2 | 21.4 | 24.1 | 74 | 36 |
| | April | 41.3 | 36.9 | 21.0 | 25.7 | 74 | 45 |
| | May | 39.7 | 36.4 | 22.1 | 26.5 | 74 | 58 |

Station: KODAIKANAL

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2014 | June | 22.7 | 20.4 | 11.7 | 13.3 | 72 | 86 |
| | July | 19.9 | 17.7 | 11.5 | 12.2 | 82 | 90 |
| | August | 21.6 | 18.3 | 10.4 | 12.1 | 84 | 92 |
| | September | 20.9 | 18.6 | 10.8 | 11.9 | 82 | 91 |
| | October | 19.4 | 17.2 | 7.9 | 10.4 | 88 | 95 |
| | November | 21.1 | 15.9 | 7.9 | 10.4 | 88 | 91 |
| | December | 21.0 | 16.6 | 8.2 | 10.7 | 77 | 84 |
| 2015 | January | 20.2 | 17.7 | 6.9 | 9.0 | 68 | 84 |
| | February | 20.6 | 18.3 | 6.2 | 9.2 | 62 | 74 |
| | March | 21.1 | 18.8 | 8.6 | 10.9 | 64 | 81 |
| | April | 21.6 | 19.1 | 10.4 | 12.1 | 74 | 89 |
| | May | 23.7 | 20.0 | 12.1 | 13.9 | 75 | 88 |

3.1 TEMPERATURE AT SELECT STATIONS IN TAMIL NADU 2014-15 (in Celsius) (Concl'd.)

Station: AMS-MADURAI

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2014 | June | 40.2 | 39.0 | 25.2 | 27.2 | 56 | 45 |
| | July | 40.0 | 38.1 | 24.9 | 27.0 | 54 | 43 |
| | August | 40.2 | 36.4 | 23.4 | 25.7 | 64 | 53 |
| | September | 39.0 | 36.4 | 23.8 | 25.1 | 65 | 51 |
| | October | 36.9 | 32.6 | 22.5 | 24.4 | 78 | 71 |
| | November | 34.2 | 30.6 | 21.4 | 23.3 | 81 | 72 |
| | December | 33.8 | 30.3 | 20.2 | 22.7 | 77 | 69 |
| 2015 | January | 33.6 | 31.8 | 17.9 | 21.3 | 75 | 53 |
| | February | 36.0 | 33.9 | 19.8 | 21.7 | 69 | 42 |
| | March | 38.2 | 36.2 | 21.7 | 24.2 | 68 | 40 |
| | April | 39.4 | 36.4 | 21.1 | 25.0 | 72 | 53 |
| | May | 39.0 | 36.0 | 23.0 | 25.4 | 74 | 61 |

Station: KANNIYAKUMARI

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2014 | June | 35.1 | 32.2 | 23.0 | 25.2 | 81 | 79 |
| | July | 34.1 | 31.4 | 23.2 | 24.5 | 82 | 79 |
| | August | 33.4 | 31.2 | 22.1 | 24.2 | 80 | 80 |
| | September | 34.6 | 31.1 | 22.9 | 24.2 | 81 | 81 |
| | October | 33.6 | 31.4 | 22.2 | 24.2 | 82 | 83 |
| | November | 32.6 | 30.3 | 20.9 | 23.3 | 82 | 81 |
| | December | 32.5 | 30.2 | 21.0 | 23.4 | 76 | 74 |
| 2015 | January | 32.5 | 31.6 | 20.7 | 23.0 | 75 | 73 |
| | February | 33.5 | 32.2 | 21.5 | 23.2 | 67 | 68 |
| | March | 34.8 | 33.1 | 23.0 | 24.4 | 70 | 70 |
| | April | 34.5 | 33.0 | 22.2 | 24.9 | 77 | 77 |
| | May | 35.6 | 32.4 | 22.6 | 25.3 | 82 | 73 |

Source: Regional Meteorological Centre, Chennai-6

3.1 TEMPERATURE AT SELECT STATIONS IN TAMIL NADU 2015-16 (in Celsius)

Station: NUNGAMBAKKAM (Chennai North)

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 39.6 | 36.9 | 24.6 | 22.8 | 66 | 65 |
| | July | 41.0 | 38.2 | 23.9 | 26.6 | 70 | 70 |
| | August | 37.6 | 35.4 | 23.1 | 26.9 | 77 | 71 |
| | September | 36.9 | 34.9 | 23.5 | 27.4 | 77 | 75 |
| | October | 35.7 | 33.2 | 24.3 | 25.4 | 83 | 78 |
| | November | 32.6 | 29.8 | 22.4 | 24.5 | 91 | 87 |
| 2016 | December | 32.4 | 30.1 | 21.5 | 23.5 | 86 | 78 |
| | January | 31.3 | 30.4 | 20.4 | 21.7 | 79 | 65 |
| | February | 33.4 | 32.1 | 21.0 | 23.9 | 78 | 67 |
| | March | 36.1 | 33.6 | 24.1 | 26.0 | 79 | 72 |
| | April | 40.8 | 35.6 | 26.0 | 28.5 | 73 | 69 |
| | May | 40.8 | 36.6 | 25.0 | 28.9 | 69 | 67 |

Station: MEENAMBAKKAM (PBO Chennai)

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Mean Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|---------------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 40.2 | 36.8 | 23.8 | 26.5 | 63 | 58 |
| | July | 40.4 | 37.9 | 23.0 | 26.0 | 62 | 58 |
| | August | 37.3 | 35.1 | 21.6 | 25 | 74 | 64 |
| | September | 37.1 | 35.2 | 22.2 | 25.7 | 70 | 63 |
| | October | 36.0 | 33.3 | 22.0 | 26.0 | 95 | 92 |
| | November | 32.5 | 29.7 | 21.2 | 22.8 | 87 | 83 |
| 2016 | December | 32.9 | 30.0 | 19.5 | 21.8 | 84 | 73 |
| | January | 31.2 | 30.6 | 18.7 | 20.8 | 79 | 61 |
| | February | 34.4 | 32.5 | 19.7 | 22.1 | 78 | 62 |
| | March | 38.4 | 34.4 | 22.5 | 24.1 | 74 | 62 |
| | April | 41.8 | 37.2 | 24.2 | 26.5 | 71 | 62 |
| | May | 41.2 | 37.3 | 23.2 | 27.1 | 65 | 60 |

3.1 TEMPERATURE AT SELECT STATIONS IN TAMIL NADU 2015-16 (in Celsius) (Contd.)

Station: SALEM

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 36.6 | 34.7 | 23.0 | 25.0 | 79 | 56 |
| | July | 38.6 | 36.0 | 23.9 | 25.2 | 75 | 49 |
| | August | 38.5 | 35.2 | 22.1 | 25.4 | 73 | 51 |
| | September | 37.6 | 35.3 | 22.6 | 24.8 | 72 | 51 |
| | October | 34.5 | 33.2 | 22.0 | 24.0 | 77 | 60 |
| | November | 33.0 | 29.6 | 20.4 | 22.9 | 83 | 73 |
| | December | 32.8 | 30.5 | 19.0 | 21.7 | 81 | 59 |
| 2016 | January | 34.6 | 32.0 | 17.0 | 20.3 | 73 | 46 |
| | February | 38.0 | 34.9 | 17.8 | 21.7 | 72 | 37 |
| | March | 41.2 | 37.9 | 21.6 | 24.4 | 73 | 34 |
| | April | 41.8 | 39.9 | 25.8 | 27.8 | 65 | 32 |
| | May | 41.3 | 37.6 | 22.1 | 26.2 | 70 | 49 |

Station: KOVILANKULAM (ARUPPUKOTTAI)

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 40.0 | 37.0 | 24.3 | 26.0 | 71 | 60 |
| | July | 39.5 | 38.0 | 21.8 | 25.0 | 71 | 61 |
| | August | 39.5 | 37.0 | 22.8 | 25.0 | 73 | 63 |
| | September | 39.0 | 37.0 | 21.8 | 25.0 | 74 | 58 |
| | October | 38.5 | 34.2 | 22.3 | 24.1 | 80 | 65 |
| | November | 34.0 | 30.6 | 20.8 | 23.0 | 88 | 72 |
| | December | 32.5 | 30.5 | 17.8 | 22.1 | 88 | 71 |
| 2016 | January | 33.5 | 31.8 | 15.5 | 20.0 | 81 | 61 |
| | February | 37.0 | 34.7 | 17.0 | 21.9 | 81 | 57 |
| | March | 40.0 | 37.6 | 21.5 | 24.0 | 74 | 58 |
| | April | 42.5 | 39.6 | 24.0 | 25.8 | 73 | 60 |
| | May | 41.0 | 38.1 | 23.0 | 25.5 | 73 | 61 |

3.1 TEMPERATURE AT SELECT STATIONS IN TAMIL NADU 2015-16 (in Celsius) (Contd.)

Station: AMS TIRUCHIRAPPALLI

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 38.9 | 36.5 | 22.4 | 26.1 | 68 | 48 |
| | July | 40.1 | 38.6 | 24.8 | 27.0 | 59 | 38 |
| | August | 40.1 | 37.2 | 23.4 | 26.3 | 66 | 42 |
| | September | 39.3 | 37.2 | 22.2 | 25.9 | 67 | 47 |
| | October | 35.9 | 33.2 | 22.4 | 24.5 | 81 | 69 |
| | November | 33.5 | 29.7 | 21.0 | 23.5 | 88 | 82 |
| | December | 31.6 | 29.7 | 20.4 | 22.7 | 88 | 75 |
| 2016 | January | 33.0 | 31.1 | 18.8 | 21.1 | 79 | 54 |
| | February | 35.4 | 33.7 | 19.0 | 22.5 | 77 | 42 |
| | March | 40.1 | 36.8 | 23.0 | 24.9 | 74 | 36 |
| | April | 42.4 | 39.8 | 26.2 | 27.9 | 67 | 36 |
| | May | 41.1 | 37.7 | 23.0 | 26.9 | 68 | 47 |

Station: KODAIKANAL

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 21.8 | 18.6 | 11.1 | 12.8 | 79 | 92 |
| | July | 20.6 | 18.7 | 11.3 | 12.6 | 76 | 93 |
| | August | 20.6 | 18.5 | 11.3 | 12.5 | 83 | 94 |
| | September | 20.7 | 18.8 | 10.9 | 12.6 | 86 | 93 |
| | October | 21.1 | 17.9 | 10.0 | 11.5 | 83 | 94 |
| | November | 19.0 | 16.1 | 8.1 | 11.2 | 92 | 98 |
| | December | 19.6 | 16.1 | 6.8 | 10.8 | 86 | 91 |
| 2016 | January | 21.9 | 18.1 | 8.3 | 10.1 | 63 | 82 |
| | February | 22.6 | 19.4 | 7.1 | 10.4 | 60 | 83 |
| | March | 23.8 | 21.9 | 10.3 | 12.3 | 40 | 82 |
| | April | 23.7 | 21.8 | 11.5 | 13.6 | 59 | 81 |
| | May | 23.5 | 20.3 | 11.6 | 11.5 | 73 | 91 |

3.1 TEMPERATURE AT SELECT STATIONS IN TAMIL NADU 2015-16 (in Celsius) (Concl.d.)

Station: AMS-MADURAI

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 39.0 | 36.5 | 22.7 | 25.6 | 67 | 53 |
| | July | 40.8 | 38.6 | 23.1 | 25.4 | 59 | 47 |
| | August | 40.0 | 37.8 | 24.2 | 25.4 | 52 | 47 |
| | September | 40.0 | 37.4 | 22.5 | 25.1 | 64 | 54 |
| | October | 36.8 | 33.8 | 23.2 | 24.4 | 71 | 63 |
| | November | 33.4 | 31.0 | 21.1 | 23.6 | 82 | 75 |
| | December | 31.9 | 30.3 | 20.2 | 22.7 | 78 | 73 |
| 2016 | January | 33.5 | 31.7 | 19.0 | 21.6 | 72 | 53 |
| | February | 36.4 | 34.4 | 19.9 | 23.1 | 70 | 41 |
| | March | 40.6 | 37.5 | 23.3 | 24.7 | 65 | 34 |
| | April | 42.3 | 39.4 | 24.6 | 27.3 | 62 | 41 |
| | May | 41.0 | 38.2 | 24.0 | 26.4 | 67 | 55 |

Station: KANNIYAKUMARI

| <i>Year and Month</i> | | <i>Maximum</i> | | <i>Minimum</i> | | <i>Humidity in %</i> | |
|-----------------------|-----------|----------------|-------------|----------------|-------------|----------------------|--------------------|
| | | <i>Highest</i> | <i>Mean</i> | <i>Lowest</i> | <i>Mean</i> | <i>8.30 Hours</i> | <i>17.30 Hours</i> |
| 2015 | June | 34.1 | 31.3 | 21.4 | 24.3 | 85 | 85 |
| | July | 34.3 | 31.3 | 22.4 | 23.9 | 86 | 88 |
| | August | 35.1 | 32.2 | 23.4 | 24.3 | 83 | 87 |
| | September | 34.7 | 31.1 | 21.2 | 23.9 | 85 | 85 |
| | October | 32.9 | 31.3 | 22.0 | 23.5 | 84 | 84 |
| | November | 33.5 | 31.0 | 21.9 | 23.3 | 84 | 83 |
| | December | 32.4 | 30.5 | 21.3 | 23.1 | 80 | 77 |
| 2016 | January | 33.4 | 32.0 | 21.9 | 23.4 | 71 | 68 |
| | February | 34.6 | 33.1 | 22.0 | 23.6 | 76 | 74 |
| | March | 35.6 | 34.0 | 24.4 | 25.2 | 74 | 75 |
| | April | 36.2 | 34.7 | 24.8 | 26.9 | 73 | 75 |
| | May | 36.1 | 33.4 | 22.9 | 26.3 | 79 | 81 |

Source: Regional Meteorological Centre, Chennai-6

3 .2 DISTRIBUTION OF DISTRICTS BY RANGE OF RAINFALL 2015-16

| <i>Range of Rainfall</i> | <i>Distribution of districts by range of rainfall</i> | |
|--------------------------|--|--|
| | <i>Normal Rainfall expected</i> | <i>Actual Rainfall occurred</i> |
| Below 800 mm | Namakkal, Coimbatore, Tiruppur, Erode, Karur, Theni and Thoothukkudi | Tiruchirappalli, Namakkal, Karur Virudhunagar, Tiruppur, Coimbatore, Erode, Madurai, and Thoothukkudi. |
| 801 mm to 1000 mm | Vellore, Salem, Dharmapuri, Krishnagiri, Tiruchirappalli, Perambalur, Madurai, Dindigul, Ramanathapuram, Virudhunagar, Sivagangai and Tirunelveli. | Dharmapuri, Krishnagiri, Pudukkottai, Ramanathapuram, Salem, Theni, and Dindigul. |
| 1001 mm to 1200 mm | Thiruvallur, Cuddalore, Villupuram, Thiruvannamalai, Thanjavur, Thiruvarur and Ariyalur, and Kanniyakumari. | and Sivagangai. Thiruvannamalai, Perambalur, Thanjavur, and Ariyalur. |
| 1201 mm to 1400 mm | Chennai, Kancheepuram, Nagapattinam and, Pudukkottai. | Tirunelveli. Villupuram, VELLOR, and The Nilgiris. |
| 1401 mm to 1800 mm | The Nilgiris | Kanniyakumari, Cuddalore, Thiruvarur, Nagapattinam. |
| 1801 mm and above | -- | The Nilgiris, Chennai, Kancheepuram, Thiruvallur |

Source: Regional Meteorological Centre, Chennai-6

3.3 RAINFALL BY DISTRICTS 2015-16

(in mm)

| <i>District</i> | <i>South West Monsoon (June '15 to September '15)</i> | | <i>North East Monsoon (October '15 to December '15)</i> | |
|----------------------|---|---------------|---|---------------|
| | <i>Actual</i> | <i>Normal</i> | <i>Actual</i> | <i>Normal</i> |
| <i>1</i> | <i>2</i> | <i>3</i> | <i>4</i> | <i>5</i> |
| 1. Chennai | 369.9 | 439.1 | 1662.6 | 900.8 |
| 2. Kancheepuram | 345.1 | 490.8 | 1815.0 | 734.6 |
| 3. Thiruvallur | 455.2 | 451.6 | 1466.7 | 683.3 |
| 4. Cuddalore | 290.3 | 383.0 | 590.3 | 735.6 |
| 5. Villupuram | 288.6 | 408.3 | 918.1 | 568.1 |
| 6. Vellore | 444.8 | 466.0 | 747.7 | 453.6 |
| 7. Tiruvannamalai | 474.1 | 468.1 | 626.4 | 570.8 |
| 8. Salem | 348.3 | 440.6 | 388.0 | 505.6 |
| 9. Namakkal | 298.8 | 339.3 | 308.4 | 412.4 |
| 10. Dharmapuri | 341.5 | 393.4 | 450.0 | 464.3 |
| 11. Krishnagiri | 359.1 | 399.0 | 442.5 | 431.7 |
| 12. Tiruppur | 155.6 | 154.8 | 451.2 | 542.0 |
| 13. Coimbatore | 309.4 | 189.8 | 341.1 | 433.4 |
| 14. Erode | 227.6 | 229.8 | 390.4 | 428.3 |
| 15. Tiruchirappalli | 197.0 | 293.9 | 440.8 | 486.3 |
| 16. Karur | 184.8 | 213.6 | 330.5 | 408.5 |
| 17. Perambalur | 263.2 | 390.0 | 681.2 | 592.0 |
| 18. Pudukkottai | 341.8 | 290.7 | 525.9 | 537.0 |
| 19. Thanjavur | 227.5 | 350.6 | 673.6 | 463.1 |
| 20. Thiruvavarur | 209.6 | 318.6 | 693.5 | 587.1 |
| 21. Nagapattinam | 218.4 | 296.4 | 1022.2 | 704.6 |
| 22. Madurai | 186.3 | 286.1 | 1378.8 | 894.1 |
| 23. Theni | 263.5 | 335.9 | 413.2 | 563.7 |
| 24. Dindigul | 365.9 | 158.4 | 399.4 | 474.4 |
| 25. Ramanathapuram | 240.1 | 295.4 | 486.0 | 535.2 |
| 26. Virudhunagar | 155.9 | 149.3 | 572.4 | 552.0 |
| 27. Sivagangai | 154.4 | 196.8 | 513.5 | 534.1 |
| 28. Tirunelveli | 368.2 | 301.0 | 460.2 | 522.7 |
| 29. Thoothukkudi | 158.8 | 142.4 | 1050.6 | 525.1 |
| 30. The Nilgiris | 42.0 | 74.9 | 664.3 | 488.0 |
| 31. Ariyalur | 644.3 | 763.7 | 580.8 | 617.0 |
| 32. Kanniyakumari | 533.0 | 477.4 | 779.5 | 661.2 |
| State Average | 295.7 | 330.9 | 695.8 | 562.8 |

3.3 RAINFALL BY DISTRICTS 2015-16 (Concl.)

(in mm)

| District | Winter Season (January '16TO and February '16) | | Hot Weather Season (March '16 to May '16) | | Annual Total (June '15 to May '16) | |
|---------------------|---|--------|--|--------|--|--------|
| | Actual | Normal | Actual | Normal | Actual | Normal |
| 1 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1. Chennai | 0.5 | 36.7 | 198.1 | 58.5 | 2231.1 | 1324.2 |
| 2. Kancheepuram | 0.4 | 29.1 | 173.2 | 66.0 | 2333.7 | 1227.7 |
| 3. Thiruvallur | 1.2 | 31.5 | 158.6 | 67.2 | 2081.7 | 1139.6 |
| 4. Cuddalore | 0.8 | 44.1 | 97.3 | 81.7 | 1628.9 | 1178.8 |
| 5. Villupuram | 0.2 | 28.2 | 88.7 | 76.0 | 1295.6 | 1011.6 |
| 6. Vellore | 0.9 | 14.9 | 82.0 | 106.5 | 1275.4 | 936.1 |
| 7. Tiruvannamalai | 9.0 | 26.5 | 84.1 | 98.7 | 1193.6 | 1045.9 |
| 8. Salem | 0.0 | 16.0 | 131.2 | 170.8 | 867.5 | 997.9 |
| 9. Namakkal | 0.0 | 13.9 | 90.9 | 148.6 | 698.1 | 793.4 |
| 10. Dharmapuri | 0.0 | 18.2 | 104.6 | 160.4 | 895.7 | 902.0 |
| 11. Krishnagiri | 0.2 | 10.7 | 143.6 | 151.6 | 945.7 | 850.7 |
| 12. Tiruppur | 0.0 | 14.0 | 125.0 | 135.1 | 731.8 | 681.5 |
| 13. Coimbatore | 23.0 | 20.3 | 118.0 | 150.3 | 791.5 | 689.3 |
| 14. Erode | 0.0 | 16.1 | 59.8 | 142.4 | 677.8 | 702.9 |
| 15. Tiruchirappalli | 0.0 | 22.7 | 130.8 | 109.4 | 768.9 | 818.0 |
| 16. Karur | 0.0 | 17.2 | 134.4 | 109.2 | 649.7 | 655.1 |
| 17. Perambalur | 0.0 | 32.5 | 89.4 | 101.8 | 1036.2 | 861.9 |
| 18. Pudukkottai | 0.0 | 21.4 | 168.5 | 108.9 | 978.8 | 1355.7 |
| 19. Thanjavur | 0.0 | 33.1 | 77.7 | 97.5 | 1034.8 | 1013.4 |
| 20. Thiruvarur | 0.0 | 42.3 | 131.7 | 102.1 | 1428.0 | 1173.4 |
| 21. Nagapattinam | 0.0 | 60.1 | 187.7 | 97.7 | 1732.9 | 1393.4 |
| 22. Madurai | 0.8 | 85.7 | 166.4 | 80.5 | 747.2 | 927.9 |
| 23. Theni | 0.0 | 28.1 | 70.2 | 144.8 | 858.8 | 684.6 |
| 24. Dindigul | 3.0 | 35.4 | 90.5 | 168.3 | 835.0 | 930.7 |
| 25. Ramanathapuram | 0.9 | 30.9 | 108.0 | 168.0 | 824.2 | 807.8 |
| 26. Virudhunagar | 3.6 | 51.3 | 92.3 | 115.5 | 753.3 | 820.3 |
| 27. Sivagangai | 3.0 | 42.8 | 82.4 | 161.7 | 1000.1 | 862.8 |
| 28. Tirunelveli | 0.0 | 17.9 | 171.7 | 121.2 | 1332.6 | 845.1 |
| 29. Thoothukkudi | 12.1 | 69.3 | 111.1 | 166.2 | 777.2 | 656.3 |
| 30. The Nilgiris | 3.4 | 42.8 | 49.5 | 111.6 | 1357.7 | 1542.3 |
| 31. Ariyalur | 12.4 | 49.3 | 120.2 | 235.3 | 1033.8 | 1071.8 |
| 32. Kanniyakumari | 17.1 | 40.4 | 316.8 | 288.3 | 1646.1 | 1198.2 |
| State Average | 2.9 | 32.77 | 123.6 | 128.2 | 1138.8 | 971.8 |

Source: India Meteorological Department, Chennai-600 006

3.4 TIME SERIES DATA – RAINFALL BY SEASONS IN TAMIL NADU

(in mm)

| Year | South West Monsoon | | North East Monsoon | | Winter Season | |
|---------|--------------------|--------|--------------------|--------|---------------|--------|
| | Normal | Actual | Normal | Actual | Normal | Actual |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2001-02 | 322.8 | 260.0 | 470.3 | 379.4 | 47.3 | 70.0 |
| 2002-03 | 329.5 | 185.4 | 468.1 | 407.1 | 36.8 | 8.7 |
| 2003-04 | 331.5 | 336.5 | 464.6 | 403.1 | 37.4 | 12.0 |
| 2004-05 | 331.5 | 360.7 | 464.6 | 472.1 | 37.4 | 14.3 |
| 2005-06 | 332.9 | 308.5 | 459.2 | 828.8 | 36.8 | 15.9 |
| 2006-07 | 316.1 | 250.9 | 431.1 | 497.5 | 35.3 | 10.9 |
| 2007-08 | 316.1 | 341.6 | 431.1 | 515.4 | 35.3 | 46.6 |
| 2008-09 | 316.1 | 333.5 | 431.1 | 552.7 | 35.3 | 7.7 |
| 2009-10 | 316.0 | 317.0 | 431.1 | 482.6 | 35.3 | 11.5 |
| 2010-11 | 319.2 | 383.6 | 430.3 | 605.2 | 31.3 | 36.3 |
| 2012-12 | 321.2 | 300.5 | 441.2 | 540.8 | 31.3 | 9.5 |
| 2012-13 | 321.3 | 245.9 | 440.4 | 370.5 | 31.3 | 34.5 |
| 2013-14 | 321.2 | 325.4 | 440.4 | 294.3 | 31.3 | 13.8 |
| 2014-15 | 321.2 | 305.5 | 440.4 | 430.3 | 31.3 | 10.9 |
| 2015-16 | 330.9 | 295.7 | 562.8 | 695.8 | 32.7 | 2.9 |

(in mm)

| Year | Hot Weather Season | | Total | | % Deviation from Normal |
|---------|--------------------|--------|--------|--------|-------------------------|
| | Normal | Actual | Normal | Actual | |
| 1 | 8 | 9 | 10 | 11 | 12 |
| 2001-02 | 134.2 | 85.8 | 974.6 | 795.2 | -18.4 |
| 2002-03 | 129.8 | 129.8 | 964.1 | 731.0 | -24.2 |
| 2003-04 | 128.4 | 283.4 | 961.8 | 1034.6 | 7.6 |
| 2004-05 | 128.4 | 231.7 | 961.9 | 1078.9 | 12.2 |
| 2005-06 | 129.6 | 150.9 | 958.5 | 1304.1 | 36.1 |
| 2006-07 | 129.1 | 100.4 | 911.6 | 859.7 | -5.7 |
| 2007-08 | 129.1 | 261.2 | 911.6 | 1164.8 | 27.8 |
| 2008-09 | 129.1 | 129.2 | 911.6 | 1023.1 | 12.2 |
| 2009-10 | 129.1 | 126.7 | 911.6 | 937.8 | 2.9 |
| 2010-11 | 127.8 | 140.0 | 908.6 | 1165.1 | 28.2 |
| 2012-12 | 127.9 | 86.3 | 921.6 | 937.1 | 1.7 |
| 2012-13 | 128.0 | 92.2 | 921.0 | 743.1 | -19.3 |
| 2013-14 | 128.0 | 157.1 | 920.9 | 790.6 | -14.1 |
| 2014-15 | 128.0 | 241.2 | 920.9 | 987.9 | 7.27 |
| 2015-16 | 128.2 | 123.6 | 971.8 | 1138.8 | 17.2 |

Source: India Meteorological Department, Chennai-600 006

Rainfall By Seasons In Tamilnadu 2015-16

