

## 2. CLIMATE AND RAINFALL

### 2.1. TEMPERATURE AT SELECT STATIONS

(Celsius)

Name of the Station: Nungambakkam

Year: 2005-2006

Months (1)	Mean Maximum		Mean Minimum		Humidity	
	Normal (2)	Actual (3)	Normal (4)	Actual (5)	8.30 hrs. (6) %	17.30 hrs. (7) %
2005 June	36.6	38.3	27.2	28.8	0.57	0.55
July	34.7	36.2	25.9	26.9	0.68	0.67
August	33.9	35.8	25.3	26.6	0.70	0.67
September	33.5	34.9	25.3	25.9	0.72	0.68
October	31.4	32.0	24.3	24.6	0.84	0.79
November	29.2	29.4	22.8	22.4	0.86	0.79
December	28.1	28.6	21.6	21.9	0.88	0.80
2006 January	28.4	30.3	20.6	21.2	0.81	0.65
February	29.9	31.5	21.2	21.3	0.79	0.59
March	31.9	33.3	23.1	24.8	0.76	0.67
April	33.6	35.5	25.9	27.0	0.72	0.69
May	36.4	37.0	27.6	27.9	0.67	0.70

Source: Deputy Director General of Meterology, Chennai.

### 2.2 MONTHLY CAPITAL DATA-STATION WISE WITH MAINTAINING DIRECTORATE PARTICULARS

Year : 2005-2006

(In Millimetres)

Period (1)	Normal Rainfall (2)	Actual Rainfall (3)	% Deviation (4)
<u>1.South West Monsoon Period</u>			
Total	443.5	324.8	-26.8
June 2005	57.3	22.5	-60.7
July 2005	111.5	121.0	8.5
August 2005	149.0	60.3	-59.5
September 2005	125.7	121.0	-3.7
<u>2.North East Monsoon</u>			
Total	753.1	1984.5	163.5
October 2005	270.0	938.7	247.7
November 2005	338.2	603.7	78.5
December 2005	114.9	442.1	205.1
<u>3.Winter-Period</u>			
Total	37.3	2.6	-93.0
January 2005	25.2	2.6	-89.7
February 2005	12.1	0.0	-100.0
<u>4.Hot-Weather Period</u>			
Total	64.2	44.6	-30.5
March 2005	4.9	17.9	265.3
April 2005	13.1	10.6	-19.1
May 2005	46.2	16.1	-65.2
Whole Year	1298.1	2356.5	81.5

Source: Deputy Director General of Meterology, Chennai.

**2005-2006**

<b>Period</b>	<b>Actual</b>	<b>Normal</b>	<b>Deviation</b>
<b>South East Monsoon Period June - September</b>	360.7	331.5	8.8
<b>North East Monsoon October – December</b>	472.1	464.6	1.6
<b>Winter period January – February</b>	14.3	37.4	61.8
<b>Hot Weather Period March - May</b>	231.7	128.4	80.5

**2005-2006**

<b>Period</b>	<b>Actual</b>	<b>Normal</b>	<b>Deviation</b>
<b>South west Monsoon Period June - September</b>	308.5	332.9	7.3
<b>North west Monsoon October – December</b>	828.8	459.2	80.5
<b>Winter period January – February</b>	15.9	36.8	56.9
<b>Hot Weather Period March - May</b>	150.9	129.6	16.4

**2.3 TIME SERIES DATA OF RAINFALL BY SEASONS (LAST 10 YEARS)**

Sl. No	Year	South West Monsoon	North East Monsoon	Winter Season	Hot Weather Season	Total	% Deviation (+ or – or =) from Normal					
		Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	
1.	1991-92	362.6	638.9	749.7	778.6	43.2	12.3	59.9	88.9	1215.4	1518.7	25.0
2.	1992-93	362.6	343.0	749.7	727.7	43.2	0.0	59.9	60.1	1215.4	1130.8	-7.0
3.	1993-94	362.6	286.6	749.7	896.9	43.2	10.0	59.9	72.0	1215.4	1265.5	+4.1
4.	1994-95	362.6	271.2	749.7	1178.6	43.2	172.6	59.9	336.8	1215.4	1959.2	+61.2
5.	1995-96	362.6	565.5	749.7	524.3	43.2	0.9	59.9	30.8	1215.4	1121.5	-7.7
6.	1996-97	362.6	1154.8	749.7	1222.4	43.2	8.3	59.9	50.8	1215.4	2436.3	+100.5
7.	1997-98	396.4	349.4	758.9	1505.5	40.2	1.2	72.3	40.7	1267.8	1896.8	+49.2
8.	1998-99	396.4	302.8	758.7	40.3	7.7	71.1	61.7	1266.5	1143.5	1680.7	+46.9
9.	97.2-00	396.4	521.7	758.7	517.7	40.2	211.6	72.3	37.1	1264.4	1288.1	+1.8
10.	2000-2001	396.4	451.7	758.7	448.2	40.3	0.09	71.61	108.2	1267.0	1008.1	-20.4
11.	2001-2002	396.4	473.1	758.7	1023.7	40.3	68.8	64.7	26.0	1260.1	1591.6	+26.3

Sl. No	Year	South West Monsoon	North East Monsoon	Winter Season	Hot Weather Season	Total	% Deviation (+ or – or =) from Normal					
		Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	
12.	2002-03	396.4	354.5	958.7	985.3	40.3	6.1	64.7	6.7	1260.1	1352.6	+92.5
13.	2003-04	443.5	464.9	753.1	346.4	37.3	37.7	64.2	245.9	1298.1	1094.9	-15.7
14.	2004-05	331.5	360.7	723.1	598.1	37.3	7.1	64.2	165.2	1298.1	1187.4	-8.53

**Monthly Rainfall April 2006 to June 2006**

<b>Month</b>	<b>Actual</b>	<b>Normal</b>	<b>% Deviation</b>	<b>Classification of Rainfall</b>
<b>April 2006</b>	<b>10.6</b>	<b>13.1</b>	<b>-19.1</b>	<b>Normal</b>
<b>May 2006</b>	<b>16.1</b>	<b>46.2</b>	<b>-65.2</b>	<b>Scanty</b>
<b>June 2006</b>	<b>59.1</b>	<b>57.3</b>	<b>3.1</b>	<b>Normal</b>
<b>Total</b>	<b>85.8</b>	<b>116.6</b>	<b>-26.4</b>	<b>Deficient</b>
<b>April 2006 to June 2006</b>				

**Excess – 20% and above**

**Normal – 19% to -19%**

**Deficient - 20% to 59%**

**Scanty – 60% to 99%**

**No Rain – 100%**

**Source India meterological Department, Chennai-6.(Provisional)**