

Annual Rainfall Temperature

&

Relative humidity

For

the Year 2007

PREFACE

The report on Annual Rainfall Temperature & Relative humidity for the Year 2007 is now brought out by the Directorate of Economics and Statistics, Mizoram. Rainfall record are based on daily rainfall report collected from 21 centres spreading throughout the State, however the data on temperature and humidity are of Aizawl City only.

Statistical Calculation and analytical compilation of the reports from various centers has been done by Technical Wing of Directorate of Economics and Statistics. My special thanks goes to all District Research Officers (E & S), various Block Development Officers, D.A.O.; A.E.O; S.D.A.O; of Agriculture, Science & Technology wing of State Planning Board and Pushpak, Aizawl for their co-operation and timely report without which this report would not have been brought out.

I do hope that the data contain in this report will be of immense help to all the users and also serve as an important indicators. Suggestion for its improvement are always welcome.



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Contents

	Page No.
1. Pre-view.....	1
2. Month-wise Rainfall in Mizoram 2007.....	2
3. District-wise Annual Rainfall in decending order 2007.....	3
4. District-wise Monthly Average Rainfall of Mizoram 2007.....	4
5. Reporting Centre-wise Annual Rainfall in Mizoram.....	5
6. Centre-wise Monthly Rainfall record (Jan-Dec) 2007.....	6
7. Centre-wise Monthly Rainfall record (Jan-Dec) 2007.....	7
8. Centre-wise Monthly Rainfall record (Jan-Dec) 2007.....	8
9. Average Rainfall during different Season of the year 2007 Mizoram	9
10. Month-wise Relative Humidity during the Year 2007, Aizawl City.	10
11. Month-wise maximum-minimum average Temperature during the year 2007 in Aizawl City	11
12. Chart showing Monthly Rainfall in Mizoram and District-wise Annual Rainfall (in mm).....	12
13. Chart showing Month-wise temperature and relative humidity during the year 2007 in Aizawl City.....	13

PRE – VIEW

Mizoram comes under the direct influence of the South-West Monsoon, as such it generally receives an adequate amount of rainfall. The rainy season (summer monsoon) generally start from the month of April, it then rains heavily from May to September and lasted till late October. The winter season i.e. November to February is generally dry, this season receives very little rainfall.

During 2007, Mizoram receives an annual rainfall of 2962.87 mm. Heaviest rainfall of 603.17 mm being received during the month of Sept while there was no rainfall during the month of January. 78.64 % of the total annual rainfall is received during the five months of May, June, July, August and September. The amount of rainfall is also more or less evenly spread throughout the State.

HIGHLIGHTS

1. Average Annual Rainfall in Mizoram during 2007 (January – December) = 2962.87 mm.
2. Total No. of Rainfall Collecting Centre during 2007 = 21
3. District-wise No. of Collecting Centre :

1) Mamit	-	3
2) Kolasib	-	2
3) Aizawl	-	4
4) Champhai	-	4
5) Serchhip	-	2
6) Lunglei	-	3
7) Lawngtlai	-	1
8) Saiha	-	2
Total :	-	21
4. Month with heaviest rainfall in Mizoram during 2007.
Month : September 2007
Amount : 603.17 mm
5. Month receiving lowest rainfall in Mizoram during 2007.
Month : January
Amount : NIL
6. District with heaviest rainfall during 2007.
District : Lunglei District
Amount : 3435.53 mm
7. District with lowest rainfall during 2007
District : Aizawl District
Amount : 2628.95 mm
8. Name of Centre recording highest Annual rainfall during 2007
Centre : Saiha
Amount : 4279.40 mm
9. Name of Centre recording lowest Annual rainfall during 2007.

Centre : Sangau
Amount : 1852.00 mm

2

MONTH-WISE RAINFALL IN MIZORAM – 2007

<i>Sl No.</i>	<i>MONTH</i>	<i>Average Rainfall in mm</i>
1	January	0.0
2	February	58.17
3	March	23..94
4	April	217.02
5	May	379.76
6	June	482.48
7	July	425.37
8	August	439.29
9	September	603.17
10	October	216.25
11	November	116.17
12	December	1.25
	ANNUAL	246.91

**DISTRICT-WISE ANNUAL RAINFALL
JAN – DEC 2007
(In descending order of amount of rainfall)**

<i>Sl No.</i>	<i>DISTRICT</i>	<i>Total Rainfall in (mm)</i>
1	2	3
1	Lunglei	3435.53
2	Saiha	3065.70
3	Lawngtlai	2986.60
4	Serchhip	2942.55
5	Kolasib	2919.10
6	Champhai	2874.98
7	Mamit	2795.37
8	Aizawl	2628.95

DISTRICT – WISE MONTHLY AVERAGE RAINFALL OF MIZORAM DURING 2007 (in mm)

<i>Sl No.</i>	<i>Name of District</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>Aug</i>	<i>Sept</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mamit	0	37.33	76.50	266.66	348.50	425.33	349.36	411.16	605.66	207.83	67.00	0
2	Kolasib	0	67.65	27.90	269.90	293.50	415.20	315.95	510.00	693.50	216.75	108.65	0
3	Aizawl	0	73.37	18.50	283.25	321.97	508.03	341.47	376.80	605.30	130.80	107.45	10
4	Champhai	0	66.37	8.50	227.02	485.45	448.35	451.00	393.57	475.17	193.40	126.10	0
5	Serchhip	0	58.50	12.50	270.00	348.00	524.50	446.00	372.50	485.50	303.55	121.50	0
6	Lunglei	0	47.10	28.33	160.93	378.00	558.83	548.86	584.86	813.43	229.10	86.03	0
7	Lawngtlai	0	35.00	11.00	86.00	423.00	560.00	525.50	421.10	579.50	200.50	145.00	0
8	Saiha	0	93.50	8.30	173.53	410.76	609.40	486.20	329.36	560.53	218.40	220.73	0

**REPORTING CENTRE-WISE ANNUAL RAINFALL
IN MIZORAM**

<i>Sl No.</i>	<i>Name of Reporting Centre</i>	<i>Name of District</i>	<i>Amount of Rainfall (in mm) during 2006</i>
1	2	3	4
1	Reiek	Mamit	3421.00
2	W. Phaileng	Mamit	2053.00
3	Mamit	Mamit	2912.10
	Average		2795.37
4	Bilkhawthlir	Kolasib	2868.80
5	Kolasib	Kolasib	2969.40
	Average		2919.10
6	Aibawk	Aizawl	2890.00
7	Darlawn	Aizawl	2095.00
8	Thingsulthliah	Aizawl	2516.80
9	Aizawl	Aizawl	3014.00
	Average		2628.95
10	Khawzawl	Champhai	3052.40
11	Champhai	Champhai	2585.50
12	Vaphai	Champhai	2674.00
13	Ngopa	Champhai	3188.00
	Average		2874.98
14	E. Lungdar	Serchhip	2880.00
15	Serchhip	Serchhip	3005.10
	Average		2942.55
16	Lunglei	Lunglei	3885.10
17	Hnahthial	Lunglei	2973.30
18	S. Vanlaiphai	Lunglei	3448.30
	Average		3435.53
19	Lawngtlai	Lawngtlai	2986.60
	Average		2986.60
20	Saiha	Saiha	4279.40
21	Sangau	Saiha	1852.00
	Average		3065.70

CENTRE-WISE MONTHLY RAINFALL RECORD (JANUARY – DECEMBER) 2006

<i>Sl No</i>	<i>Name of District Centre</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>Aug</i>	<i>Sept</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Total</i>
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	MAMIT DISTRICT													
	a) Reiek	0	42.00	86.00	473.00	387.00	513.00	407.00	442.00	710.00	244.00	117.00	0	3421.00
	b) W. Phaileng	0	41.00	53.00	108.00	263.00	278.00	314.00	348.00	453.00	170.00	25.00	0	2053.00
	c) Mamit	0	29.00	90.50	219.00	395.50	485.00	327.10	443.50	654.00	209.50	59.00	0	2912.10
	Average	0	37.33	76.50	266.67	348.50	425.33	349.37	411.17	605.67	207.83	67.00	0	2795.37
2	KOLASIB DISTRICT													
	a) Bilkhawthlir	0	97.00	30.40	243.00	248.00	372.40	261.00	548.00	766.10	205.00	98.00	0	2868.80
	b) Kolasib	0	38.30	25.50	296.90	339.00	458.00	370.90	472.00	621.00	228.50	119.30	0	2969.40
	Average	0	67.65	27.90	269.95	293.50	415.20	315.95	510.00	693.50	216.75	108.65	0	2919.10

CENTRE-WISE MONTHLY RAINFALL RECORD (JANUARY – DECEMBER) 2007
(in mm)

<i>Sl No</i>	<i>Name of Centre/District</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>Aug</i>	<i>Sept</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Total</i>
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	AIZAWL DISTRICT													
	a) Aibawk	0	60.00	19.00	187.00	344.00	599.00	366.00	393.00	657.00	184.00	81.00		2890.00
	b) Darlawn	0	81.00	17.00	217.00	402.00	245.10	336.00	300.00	310.00	58.00	119.00	10.00	2095.00
	c) Thingsulthliah	0	47.50	5.00	410.00	219.90	322.10	256.90	424.20	630.00	104.20	96.80		2516.80
	d) Aizawl	0	51.00	33.00	319.00	322.00	358.00	407.00	390.00	824.00	177.00	133.00		3014.00
	Average	0	59.88	18.50	283.25	321.98	381.03	341.48	376.80	605.30	130.80	107.45	2.50	2628.95
4	CHAMPHAI DISTRICT													
	a) Khawzawl	0	111.60	4.10	237.50	728.90	397.00	369.00	371.20	505.70	221.60	105.40		3052.40
	b) Champhai	0	12.90	0.0	172.60	523.90	404.00	330.00	373.10	451.00	202.00	116.00	0	2585.50
	c) Vaphai	0	68.00	2.00	236.10	400.00	462.00	268.00	493.00	475.00	154.00	116.00	0	2674.00
	d) Ngopa	0	73.00	28.00	262.00	289.00	530.00	837.00	337.00	469.00	196.00	167.00	0	3188.00
	Average	0	66.38	8.50	227.02	484.45	448.35	451.00	393.58	475.18	193.40	126.10	0	2874.98
5	SERCHHIP DISTRICT													
	a) E. Lungdar	0	56.00	10.00	341.00	391.00	507.00	349.00	367.00	374.00	338.00	147.00	0	2882.00
	b) Serchhip	0	61.00	15.00	199.00	305.00	542.00	543.00	378.00	597.00	269.10	96.00	0	3005.10
	Average	0	58.50	12.50	270.00	348.00	524.50	446.00	372.50	485.50	303.55	121.50	0	2942.55

Contd...

CENTRE-WISE MONTHLY RAINFALL RECORD (JANUARY – DECEMBER) 2007

<i>Sl No</i>	<i>Name of Centre/District</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>Aug</i>	<i>Sept</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Total</i>
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6	LUNGLEI DISTRICT													
	a) Lunglei	0	22.0	45.00	157.00	405.00	652.00	714.00	675.00	886.00	259.00	70.00	0	3885.00
	b) Hnahthial	0	65.00	0.0	181.80	355.10	483.00	338.10	532.60	779.30	137.30	101.10	0	2973.30
	c) S. Vanlaiphai	0	54.30	40.00	144.00	374.00	541.50	594.50	547.00	775.00	291.00	87.00	0	3448.30
	Average	0	47.10	28.33	160.93	378.03	558.83	548.87	584.87	813.43	229.10	86.03	0	3435.53
7	LAWNTLAI DISTRICT													
	a) Lawngtlai	0	35.00	11.00	86.00	423.00	560.00	525.50	421.10	579.50	200.50	145.00	0	2986.60
	Average	0	35.00	11.00	86.00	423.00	560.00	525.50	421.10	579.50	200.50	145.00	0	2986.60
8	SAIHA DISTRICT													
	a) Saiha	0	93.50	16.60	219.60	613.30	842.20	669.60	718.60	620.60	256.20	229.20	0	4279.40
	b) Sangau	0	0.0	0.0	125.00	266.00	251.00	180.00	170.00	514.00	240.00	106.00	0	1852.00
	Average	0	93.50	8.30	172.30	439.65	546.60	424.80	444.30	567.30	248.10	167.60	0	3056.70

AVERAGE RAINFALL DURING DIFFERENT SEASONS OF THE
YEAR – 2007, MIZORAM.

<i>Sl No.</i>	<i>Seasons</i>	<i>Rainfall (in mm)</i>	<i>Percentage to total annual rainfall</i>
1	Winter (Nov-Jan)	117.42	3.96
2	Spring (Feb-April)	299.13	10.10
3	Summer (May-Aug)	1726.90	58.28
4	Autumn (Sept-Oct)	819.42	27.66

TEMPERATURE DURING DIFFERENT SEASON – 2007
(in degree celcius) °C IN AIZAWL CITY

<i>Sl No.</i>	<i>Seasons</i>	<i>Minimum</i>	<i>Maximum</i>
1	Winter (Nov-Jan)	13.42	24.26
2	Spring (Feb-April)	15.10	25.86
3	Summer (May-Aug)	20.35	27.15
4	Autumn (Sept-Oct)	20.25	27.41

MONTH-WISE RELATIVE HUMIDITY DURING THE YEAR 2007,
AIZAWL CITY

<i>Sl No.</i>	<i>Month</i>	<i>Relative humidity in %</i>	
		<i>Maximum</i>	<i>Minimum</i>
1	January	87	54
2	February	88	49
3	March	91	32
4	April	96	50
5	May	96	51
6	June	98	81
7	July	100	84
8	August	100	81
9	September	100	61
10	October	100	59
11	November	100	76
12	December	85	50
	Average	95.08	60.67

**MONTH-WISE MINIMUM AND MAXIMUM AVERAGE TEMPERATURE
DURING THE YEAR 2007 IN AIZAWL CITY (in ⁰C)**

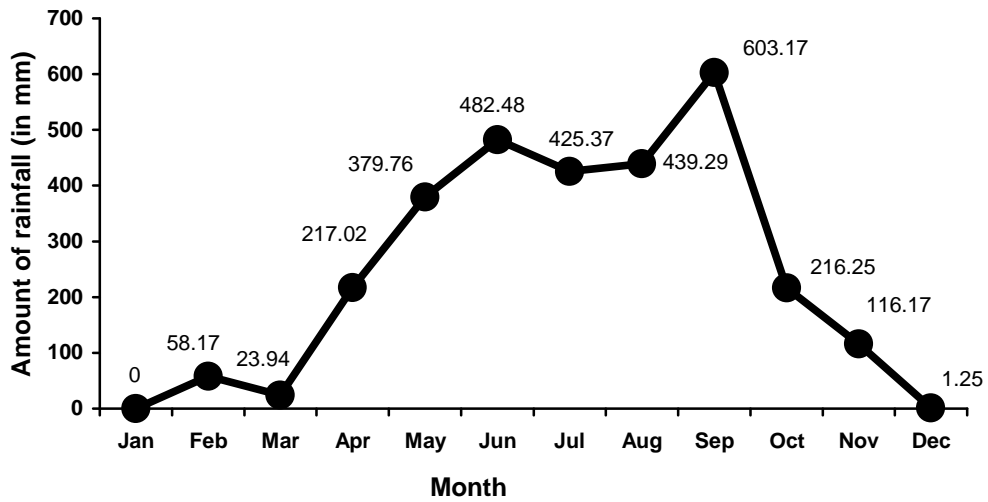
MONTH	MINIMUM	MAXIMUM
January	11.18	23.45
February	11.84	23.13
March	16.06	26.87
April	17.39	27.57
May	19.62	28.19
June	20.65	27.31
July	20.46	26.13
August	20.65	26.97
September	20.59	27.17
October	19.90	27.65
November	16.29	25.34
December	12.78	23.99

HOTTEST DAY (2nd May 2007 = 33.2^o C.)

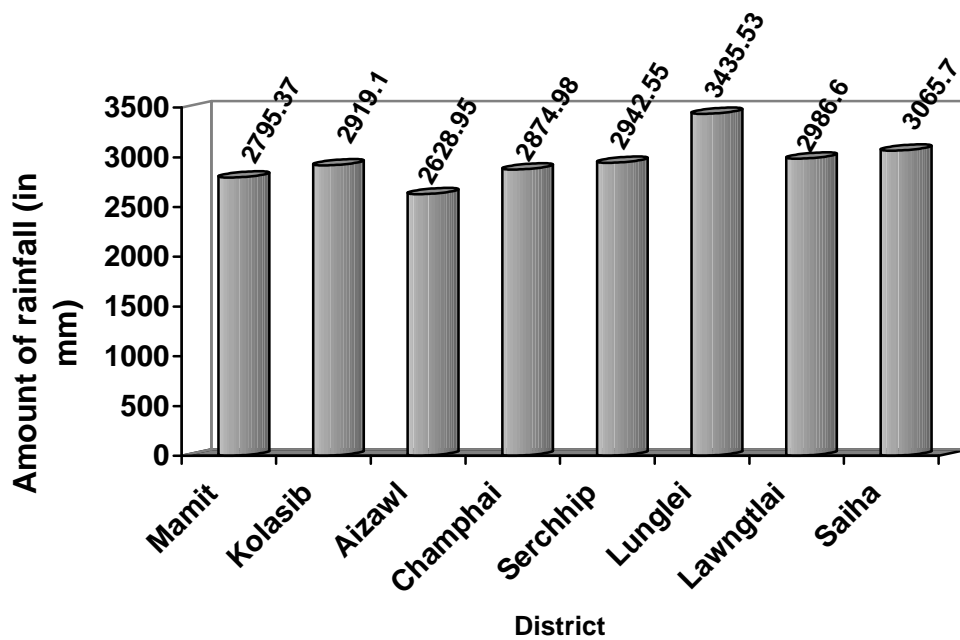
COLDEST DAY (2nd February, 2007 = 7.3^oC)

CHART

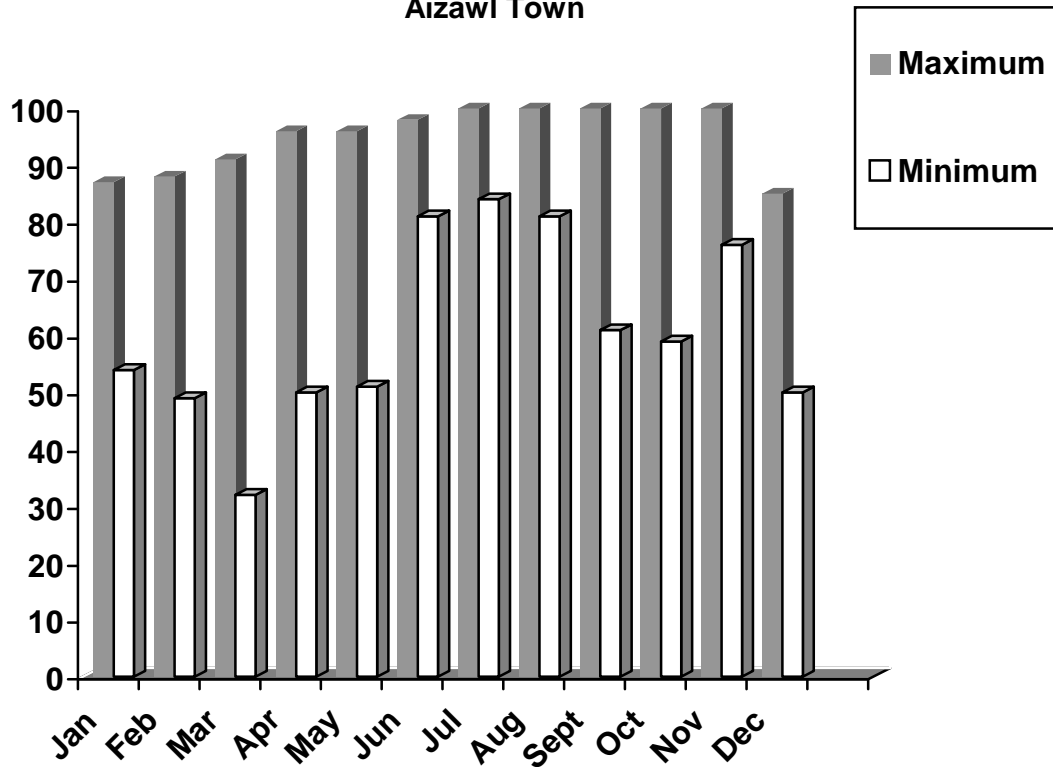
Monthly Rainfall in Mizoram -2007



District – wise Annual Rainfall



Month-wise relative humidity during the year-2007,
Aizawl Town



Minimum & Maximum average temperature 2007 (Aizawl City)

