

PREFACE

The Meteorological Data of Mizoram for the Year 2008 is now brought out by the Directorate of Economics and Statistics, Mizoram. Rainfall record are based on daily rainfall report collected from 20 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; Science & Technology wing of State Planning Board and Chief Engineer, Project 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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Mizoram : Aizawl.

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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 2008, Mizoram receives an annual rainfall of 1983.40mm. Heaviest rainfall of 411.54mm being received during the month of Sept while there was no rainfall during the month of December. 83.05% 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)
= 1983.40 mm.
2. Total No. of Rainfall Collecting Centre during 2007 = 21
3. District-wise No. of Collecting Centre :

1) Mamit	-	2
2) Kolasib	-	2
3) Aizawl	-	4
4) Champhai	-	4
5) Serchhip	-	2
6) Lunglei	-	3
7) Lawngtlai	-	1
8) Saiha	-	2
Total :	-	20
4. Month with heaviest rainfall in Mizoram during 2008.
Month : August
Amount : 411.54 mm
5. Month receiving lowest rainfall in Mizoram during 2008.
Month : December
Amount : NIL
6. District with heaviest rainfall during 2008..
District : Mamit District
Amount : 2189.25 mm
7. District with lowest rainfall during 2008.
District : Champhai District
Amount : 1764.33 mm
8. Name of Centre recording highest Annual rainfall during 2008.
Centre : Saiha
Amount : 2660.80 mm
9. Name of Centre recording lowest Annual rainfall during 2008.
Centre : Sangau
Amount : 1306.00 mm

MONTH-WISE AVERAGE RAINFALL IN MIZORAM

<i>Sl No.</i>	<i>MONTH</i>	<i>Average Rainfall (in mm)</i>	
		<i>2007</i>	<i>2008</i>
1	January	0.0	66.24
2	February	58.17	20.12
3	March	23..94	36.23
4	April	217.02	57.90
5	May	379.76	192.28
6	June	482.48	272.47
7	July	425.37	366.07
8	August	439.29	411.54
9	September	603.17	329.62
10	October	216.25	122.48
11	November	116.17	17.85
12	December	1.25	----
	ANNUAL	246.91	157.73

**DISTRICT-WISE AVERAGE MONTHLY RAINFALL
JAN – DEC 2008**

<i>Sl No.</i>	<i>DISTRICT</i>	<i>Average monthly Rainfall (in mm)</i>
1	2	3
1	Mamit	182.44
2	Kolasib	168.41
3	Aizawl	149.19
4	Champhai	147.03
5	Serchhip	155.74
6	Lunglei	155.09
7	Lawngtlai	160.77
8	Saiha	165.28

DISTRICT – WISE MONTHLY AVERAGE RAINFALL OF MIZORAM DURING 2007 & 2008 (in mm)

<i>Sl No.</i>	<i>Name of District</i>	<i>Year</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	2007	0	37.33	76.50	266.66	348.50	425.33	349.36	411.16	605.66	207.83	67.00	0
		2008	48.25	13.50	105.00	279.50	242.00	223.75	647.25	216.00	285.50	257.00	0	0
2	Kolasib	2007	0	67.65	27.90	269.90	293.50	415.20	315.95	510.00	693.50	216.75	108.65	0
		2008	27.50	9.65	72.30	34.30	146.75	334.60	363.20	571.75	217.70	243.20	0	0
3	Aizawl	2007	0	73.37	18.50	283.25	321.97	508.03	341.47	376.80	605.30	130.80	107.45	10
		2008	36.65	44.75	30.78	107.53	248.46	256.18	262.98	343.78	327.25	101.40	30.50	0
4	Champhai	2007	0	66.37	8.50	227.02	485.45	448.35	451.00	393.57	475.17	193.40	126.10	0
		2008	77.93	8.53	20.95	17.50	145.10	255.38	294.15	433.48	381.38	108.30	21.65	0
5	Serchhip	2007	0	58.50	12.50	270.00	348.00	524.50	446.00	372.50	485.50	303.55	121.50	0
		2008	94.50	7.50	27.00	27.00	194.50	219.00	330.52	478.02	346.35	131.95	31.00	0
6	Lunglei	2007	0	47.10	28.33	160.93	378.00	558.83	548.86	584.86	813.43	229.10	86.03	0
		2008	61.67	9.43	19.00	19.00	186.00	256.37	393.00	498.37	328.70	88.77	16.77	0
7	Lawngtlai	2007	0	35.00	11.00	86.00	423.00	560.00	525.50	421.10	579.50	200.50	145.00	0
		2008	116.00	18.50	12.00	12.00	193.00	314.50	419.00	391.40	326.90	137.90	0	0
8	Saiha	2007	0	93.50	8.30	173.53	410.76	609.40	486.20	329.36	560.53	218.40	220.73	0
		2008	112.50	81.20	20.00	20.00	176.90	382.45	406.50	351.85	372.90	99.60	18.00	0

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

Sl No.	Name of Reporting Centre	Name of District	Amount of Rainfall (in mm) during 2006	
			2007	2008
1	2	3	4	5
1	Reiek	Mamit	3421.00	2154.00
2	Mamit	Mamit	2912.10	2224.50
	Average		3166.55	2189.25
3	Bilkhawthlir	Kolasib	2868.80	2421.70
4	Kolasib	Kolasib	2969.40	1620.20
	Average		2919.10	2020.95
5	Aibawk	Aizawl	2890.00	1771.06
6	Darlawn	Aizawl	2095.00	1918.00
7	Thingsulthliah	Aizawl	2516.80	1615.70
8	Aizawl	Aizawl	3014.00	1856.20
	Average		2628.95	1790.24
9	Khawzawl	Champhai	3052.40	1748.20
10	Champhai	Champhai	2585.50	1996.00
11	Vaphai	Champhai	2674.00	1440.00
12	Ngopa	Champhai	3188.00	1873.10
	Average		2874.98	1764.33
13	E. Lungdar	Serchhip	2880.00	1781.00
14	Serchhip	Serchhip	3005.10	1956.68
	Average		2942.55	1868.84
15	Lunglei	Lunglei	3885.10	2172.30
16	Hnahthial	Lunglei	2973.30	1605.90
17	Lungsen	Lunglei	0	1805.00
	Average		3429.20	1861.07
18	Lawngtlai	Lawngtlai	2986.60	1929.20
	Average		2986.60	1929.20
19	Saiha	Saiha	4279.40	2660.80
20	Sangau	Saiha	1852.00	1306.00
	Average		3065.70	1983.40

CENTRE-WISE MONTHLY RAINFALL RECORD (JANUARY – DECEMBER)

<i>Sl No</i>	<i>Name of District Centre</i>	<i>Year</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	16
1	MAMIT DISTRICT														
	a) Reiek	2007	0	42.00	86.00	473.00	387.00	513.00	407.00	442.00	710.00	244.00	117.00	0	3421.00
		2008	56.00	12.00	32.00	14.00	325.00	204.00	816.00	190.00	248.00	257.00	0	0	2154.00
	b) W. Phaileng	2007	0	41.00	53.00	108.00	263.00	278.00	314.00	348.00	453.00	170.00	25.00	0	2053.00
		2008	-	-	-	-	-	-	-	-	-	-	-	-	-
	c) Mamit	2007	0	29.00	90.50	219.00	395.50	485.00	327.10	443.50	654.00	209.50	59.00	0	2912.10
		2008	40.50	15.00	178.0	545.00	159.00	243.50	478.50	242.00	323.00	-	0	0	2224.50
2	KOLASIB DISTRICT														
	a) Bilkhawthlir	2007	0	97.00	30.40	243.00	248.00	372.40	261.00	548.00	766.10	205.00	98.00	0	2868.80
		2008	19.00	12.00	63.20	32.00	87.00	297.00	297.00	500.00	122.00	188.00	0	0	1620.20
	b) Kolasib	2007	0	38.30	25.50	296.90	339.00	458.00	370.90	472.00	621.00	228.50	119.30	0	2969.40
		2008	36.00	7.30	81.40	36.60	206.50	429.40	429.40	643.50	313.40	298.40	0	0	2421.70

CENTRE-WISE MONTHLY RAINFALL RECORD (JANUARY – DECEMBER)

(in mm)

<i>Sl No</i>	<i>Name of Centre/District</i>	<i>Year</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	2007	0	60.00	19.00	187.00	344.00	599.00	366.00	393.00	657.00	184.00	81.00	0.0	2890.00
		2008	29.00	35.00	89.00	86.13	150.92	276.40	327.70	235.40	326.01	203.50	17.00	0.0	1771.06
	b) Darlawn	2007	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
		2008	19.00	83.00	17.00	262.00	432.00	216.00	277.00	318.00	192.00	87.00	15.00	0.0	1918.00
	c) Thingsulthliah	2007	0	47.50	5.00	410.00	219.90	322.10	256.90	424.20	630.00	104.20	96.80	0.0	2516.80
		2008	50.60	0	2.10	21.00	151.90	273.30	279.00	435.70	377.00	25.10	0.0	0.0	1615.70
	d) Aizawl	2007	0	51.00	33.00	319.00	322.00	358.00	407.00	390.00	824.00	177.00	133.00	0.0	3014.00
		2008	48.00	61.00	15.00	61.00	259.00	259.00	173.00	386.00	414.00	90.00	90.00	0.0	1856.20
4	CHAMPHAI DISTRICT														
	a) Khawzawl	2007	0	111.60	4.10	237.50	728.90	397.00	369.00	371.20	505.70	221.60	105.40	0.0	3052.40
		2008	52.70	7.10	22.80	0	102.40	273.30	340.90	442.30	348.40	112.70	45.60	0.0	1748.20
	b) Champhai	2007	0	12.90	0.0	172.60	523.90	404.00	330.00	373.10	451.00	202.00	116.00	0.0	2585.50
		2008	80.00	7.00	33.00	2.00	132.00	297.00	406.00	470.00	390.00	138.00	41.00	0.0	1996.00
	c) Vaphai	2007	0	68.00	2.00	236.10	400.00	462.00	268.00	493.00	475.00	154.00	116.00	0.0	2674.00
		2008	118.00	13.00	14.00	4.00	110.00	219.00	191.00	455.00	213.00	103.00	0.0	0.0	1440.00
	d) Ngopa	2007	0	73.00	28.00	262.00	289.00	530.00	837.00	337.00	469.00	196.00	167.00	0.0	3188.00
		2008	61.00	7.00	14.00	64.00	236.00	232.20	238.70	366.60	574.10	79.50	0.0	0.0	1873.10
5	SERCHHIP DISTRICT														
	a) E. Lungdar	2007	0	56.00	10.00	341.00	391.00	507.00	349.00	367.00	374.00	338.00	147.00	0.0	2882.00
		2008	135.00	8.00	20.00	0.0	196.00	201.00	322.00	482.00	274.00	124.00	19.00	0.0	1781.00
	b) Serchhip	2007	0	61.00	15.00	199.00	305.00	542.00	543.00	378.00	597.00	269.10	96.00	0.0	3005.10
		2008	54.00	7.00	34.00	17.00	193.00	237.00	339.04	474.04	418.70	139.90	43.00	0.0	1956.68

Contd...

CENTRE-WISE MONTHLY RAINFALL RECORD (JANUARY – DECEMBER)

<i>Sl No</i>	<i>Name of Centre/District</i>	<i>Year</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	2007	0.0	22.0	45.00	157.00	405.00	652.00	714.00	675.00	886.00	259.00	70.00	0.0	3885.00
		2008	40.00	7.00	14.00	9.00	192.00	331.00	532.00	471.00	440.00	110.00	26.30	0.0	2172.30
	b) Hnahthial	2007	0.0	65.00	0.0	181.80	355.10	483.00	338.10	532.60	779.30	137.30	101.10	0.0	2973.30
		2008	96.00	16.30	0.0	0.0	169.00	166.10	310.00	441.10	307.10	100.30	0.0	0.0	1605.90
	c) Lungsen	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		2008	49.00	5.00	43.00	0.0	197.00	272.00	337.00	583.00	239.00	56.00	24.00	0.0	1805.00
7	LAWNGTLAI														
	a) Lawngtlai	2007	0.0	35.00	11.00	86.00	423.00	560.00	525.50	421.10	579.50	200.50	145.00	0.0	2986.60
		2008	116.00	18.50	12.00	0.0	193.00	314.50	419.00	391.40	326.90	137.90	0.0	0.0	1929.20
8	SAIHA DISTRICT														
	a) Saiha	2007	0.0	93.50	16.60	219.60	613.30	842.20	669.60	718.60	620.60	256.20	229.20	0.0	4279.40
		2008	140.00	55.20	35.00	4.20	305.80	397.90	638.00	497.70	422.80	169.20	0.0	0.0	2660.80
	b) Sangau	2007	0.0	0.0	0.0	125.00	266.00	251.00	180.00	170.00	514.00	240.00	106.00	0.0	1852.00
		2008	85.00	26.00	5.00	0.0	48.00	367.00	175.00	211.00	323.00	30.00	36.00	0.0	1306.00

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 $^{\circ}\text{C}$)**

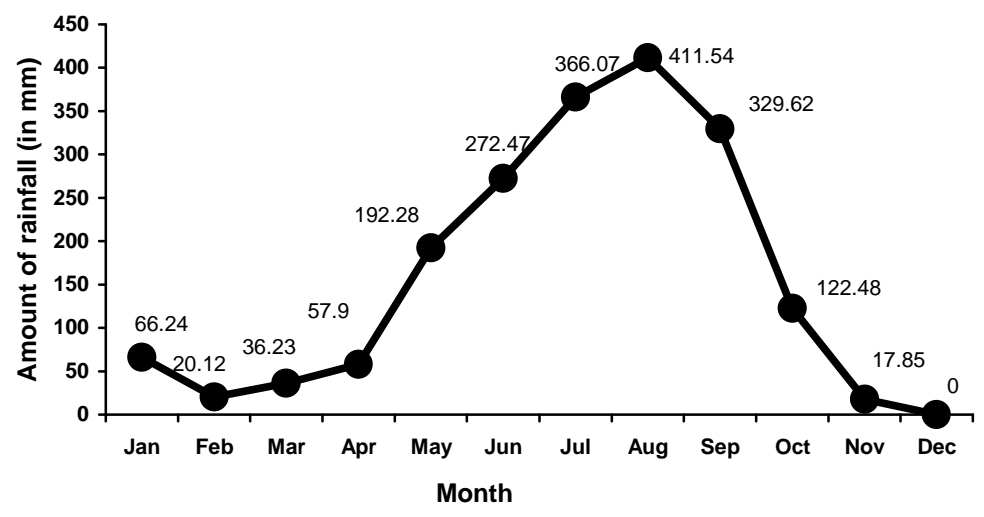
MONTH	MINIMUM	MAXIMUM
January	11.18	23.45
February	11.84	23.13
March	16.06	26.87
April	17.39	27.57
May	19.62	28.19
June	20.65	27.31
July	20.46	26.13
August	20.65	26.97
September	20.59	27.17
October	19.90	27.65
November	16.29	25.34
December	12.78	23.99

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

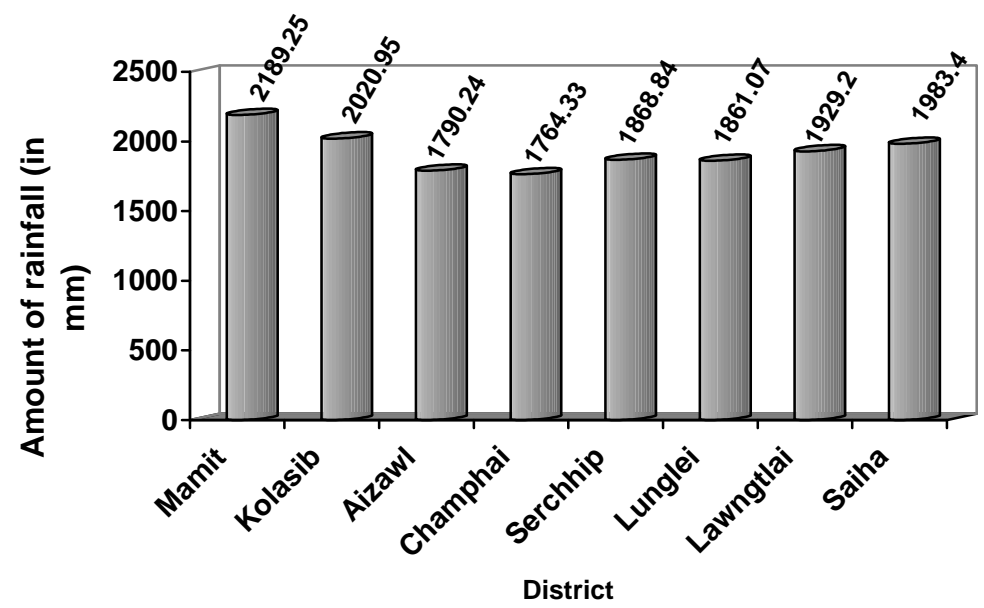
COLDEST DAY (2nd February, 2007 = 7.3^oC)

CHART

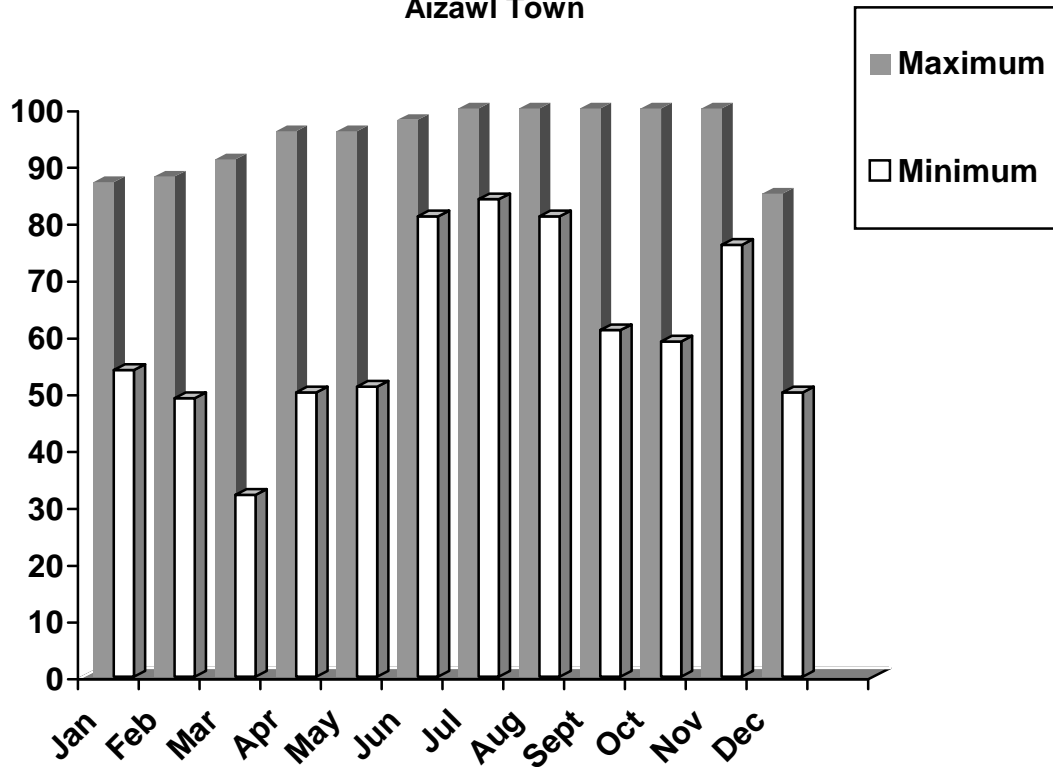
Monthly Rainfall in Mizoram -2008



District – wise Annual Rainfall



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



Minimum & Maximum average temperature 2007 (Aizawl City)

