

 Japan International Cooperation Agency

Federal Flood Commission
Ministry of Water and Power
The Islamic Republic of Pakistan

The Study on Comprehensive Flood Mitigation and Environmental Improvement Plan of Lai Nullah Basin in The Islamic Republic of Pakistan

Final Report Volume 4 Data Book



September 2003

 CTI Engineering International Co., Ltd.
 Pacific Consultants International

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Japan International Cooperation Agency

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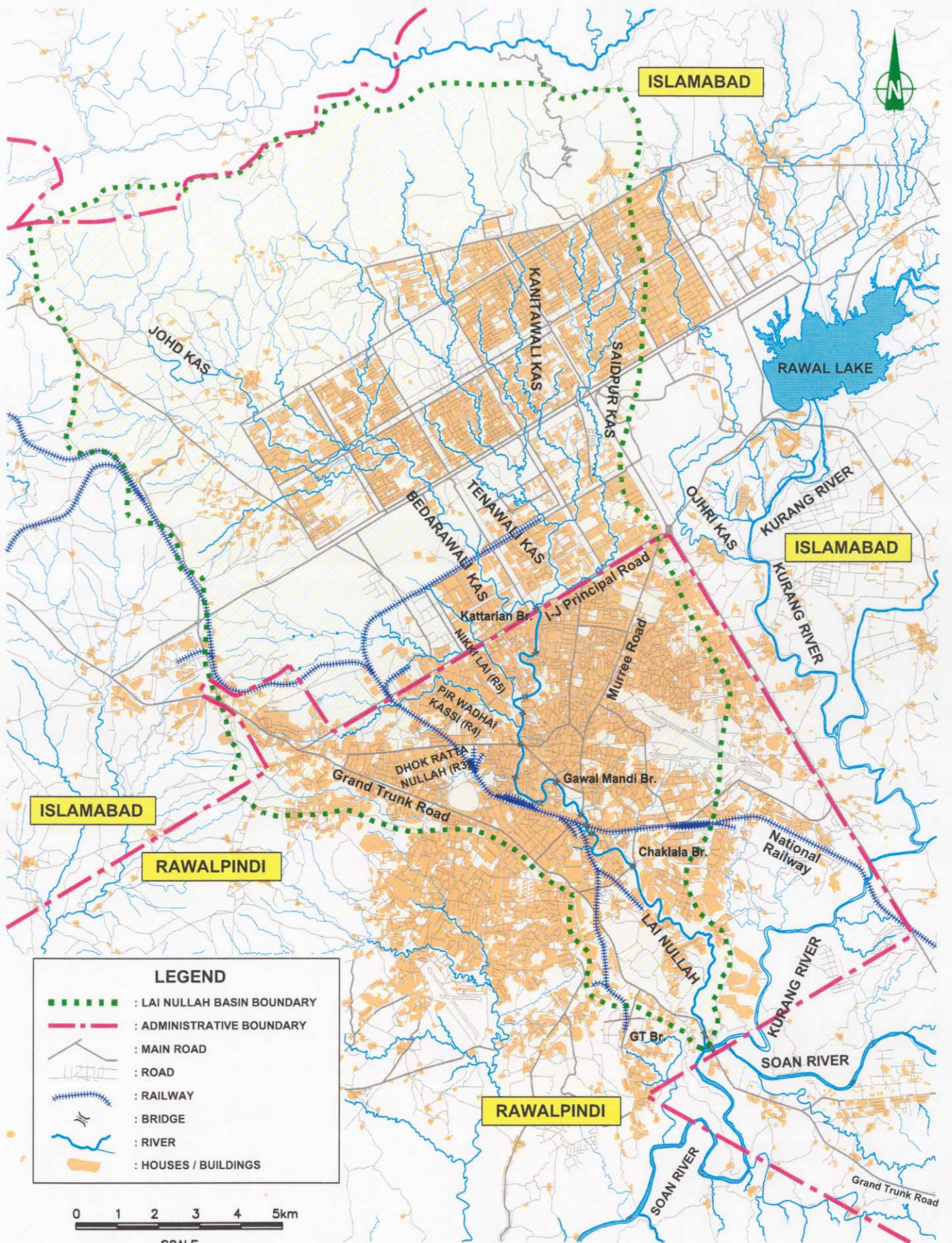
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DATA BOOK I HYDROLOGY

(Basic Data for Sector A in Supporting Report)

I.1 DAILY RAINFALL AT CHAKLALA STATION

DAILY RAINFALL AT CHAKLALA STATION IN 1944 (1/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.4	120.7	0.0	0.0	0.0	192.0
2	0.0	0.0	0.0	4.3	0.0	0.0	0.0	17.8	12.7	0.0	0.0	0.0	34.8
3	0.0	16.0	0.0	49.0	0.0	0.0	0.0	11.2	5.8	0.0	0.0	0.0	82.0
4	0.0	0.0	0.0	84.1	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	85.6
5	0.0	0.0	0.0	6.4	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	9.7
6	0.0	0.0	0.0	0.0	0.0	0.0	32.3	41.4	0.0	1.8	0.0	0.0	75.4
7	0.0	0.0	0.0	0.0	0.0	0.0	12.7	9.1	0.0	9.4	0.0	0.0	31.2
8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
9	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	13.5
10	0.0	0.0	0.0	0.0	0.0	0.0	71.4	46.5	0.0	0.0	0.0	5.8	123.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
12	0.0	0.0	0.0	0.0	0.0	4.8	0.0	9.9	0.0	0.0	0.0	0.0	14.7
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.9	0.0	0.0	6.6	0.0	77.5
14	0.0	0.0	0.0	0.0	0.0	0.0	85.6	40.4	0.0	0.0	3.3	0.0	129.3
15	0.0	2.3	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	5.6
16	0.0	0.0	0.0	0.0	0.8	0.0	13.5	0.8	0.0	0.0	0.0	0.0	15.0
17	0.0	0.0	0.0	0.0	15.2	0.0	3.3	1.8	14.0	0.0	0.0	0.0	34.3
18	0.0	22.4	0.0	0.0	0.0	0.0	9.7	0.0	2.0	0.0	0.0	0.0	34.0
19	0.0	8.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9
20	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.5	0.0	0.0	0.0	0.0	7.4
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
22	23.6	13.5	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	42.9
23	16.3	1.0	16.0	0.0	0.0	0.0	4.8	15.0	0.0	0.0	0.0	0.0	53.1
24	39.1	0.0	50.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	89.7
25	6.9	0.0	0.0	0.0	0.0	0.0	47.5	0.0	0.0	0.0	0.0	0.0	54.4
26	0.0	11.7	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	25.1
27	0.0	3.3	17.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	32.3
28	0.0	17.0	29.5	0.0	0.0	7.6	6.9	13.5	0.0	0.0	0.0	1.5	75.9
29	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
31	0.0	0.0	0.0	0.0	0.0	0.0	9.4	15.5	0.0	0.0	0.0	0.0	24.9
Max	39.1	22.4	50.0	84.1	15.2	13.5	85.6	71.4	120.7	9.4	6.6	5.8	523.7
Total	101.9	95.8	131.8	143.8	16.0	25.9	309.6	385.6	156.7	11.2	9.9	10.4	1398.5

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1945 (2/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	999.9	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3
2	0.0	999.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
3	0.0	999.9	50.3	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	57.9
4	2.3	999.9	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	22.6
5	27.9	999.9	0.0	0.0	0.0	0.0	0.0	1.3	4.3	0.0	0.0	0.0	33.5
6	4.3	999.9	0.0	0.0	1.3	0.0	0.0	31.8	0.0	0.0	0.0	0.0	37.4
7	0.0	999.9	0.0	1.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	9.9
8	9.4	999.9	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4
9	23.6	999.9	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6
10	6.9	999.9	1.8	0.0	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0	30.3
11	0.0	999.9	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	7.6
12	0.0	999.9	0.0	0.0	0.0	0.0	38.1	24.9	2.0	0.0	0.0	0.0	65.0
13	0.0	999.9	0.0	0.0	0.0	0.0	10.2	14.7	0.0	0.0	0.0	0.0	24.9
14	0.0	999.9	0.0	0.0	0.0	0.0	5.6	1.3	12.2	0.0	0.0	0.0	19.1
15	0.0	999.9	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	16.0
16	0.0	999.9	0.0	8.9	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	19.6
17	0.0	999.9	1.8	10.9	0.0	2.0	0.0	27.9	0.0	0.0	21.6	0.0	64.2
18	0.0	999.9	1.0	0.0	0.0	0.0	0.0	104.1	0.0	0.0	0.0	0.0	105.1
19	0.0	999.9	29.5	0.0	0.0	1.3	0.0	3.8	0.0	0.0	0.0	0.0	34.6
20	0.0	999.9	12.2	0.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	1.3	24.9
21	0.0	999.9	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
22	0.0	999.9	0.0	0.0	1.0	0.0	0.0	12.7	0.0	0.0	0.0	7.1	20.8
23	0.8	999.9	0.0	3.3	3.8	0.0	0.0	0.0	4.3	0.0	0.0	0.0	12.2
24	0.0	999.9	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
25	0.0	999.9	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
26	0.0	999.9	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6
27	0.0	999.9	0.0	0.0	0.0	0.0	71.9	11.7	9.4	0.0	0.0	0.0	93.0
28	0.0	999.9	0.0	0.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0
29	999.9		999.9	0.0	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
30	999.9		999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	
31	999.9		999.9		999.9		999.9	999.9		999.9		999.9	0.0
Max	27.9	0.0	50.3	16.0	11.4	2.0	71.9	104.1	21.6	0.0	21.6	7.1	333.9
Total	75.2	0.0	102.4	51.0	19.3	3.3	141.0	298.0	53.8	0.0	21.6	8.4	774.0

Note: 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1946 (3/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	27.9	0.0	58.4	0.0	0.0	0.0	86.4
2	0.0	0.0	2.0	0.0	0.0	0.0	26.7	62.7	49.5	0.0	0.0	0.0	141.0
3	0.0	0.0	0.0	0.0	0.0	16.5	11.4	1.3	12.7	0.0	0.0	0.0	41.9
4	0.0	0.0	55.9	0.0	3.1	0.0	0.0	0.0	1.5	0.0	0.0	0.0	60.5
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	35.6	0.0	0.0	0.0	62.7
7	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	2.0
8	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	5.1	0.0	0.0	8.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	0.0	6.1	27.2
10	0.0	0.0	0.8	0.0	0.0	0.0	50.8	8.9	0.0	0.0	0.0	0.0	60.5
11	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	12.7
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0	0.0	16.5
13	0.5	1.8	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	6.1
14	0.0	0.0	0.0	0.0	0.0	12.7	2.3	0.0	0.0	0.0	0.0	0.0	15.0
15	0.0	0.0	0.0	0.0	0.0	0.0	31.2	19.1	0.0	0.0	0.0	0.0	50.3
16	5.8	0.0	0.0	0.0	0.0	0.0	25.4	20.3	0.0	0.0	0.0	0.0	51.6
17	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
18	0.0	0.0	3.8	0.0	0.0	3.1	0.0	6.4	1.8	0.0	0.0	0.0	15.0
19	0.0	0.0	0.0	0.0	15.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	23.6
20	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
21	0.0	0.0	0.0	0.0	0.0	0.0	41.2	0.0	0.0	0.0	0.0	0.0	41.2
22	0.0	6.4	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3
23	0.0	15.2	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	32.8
24	6.4	34.8	0.0	0.0	0.0	29.2	3.1	0.0	0.0	0.0	0.0	0.0	73.4
25	0.0	20.3	0.0	0.0	1.8	0.0	88.9	0.0	0.0	1.3	0.0	0.0	112.3
26	0.0	0.0	0.0	0.0	0.0	0.0	21.6	21.6	0.0	8.9	0.0	0.0	52.1
27	0.0	0.0	0.0	1.0	0.0	0.0	11.4	0.5	0.0	0.0	0.0	0.0	13.0
28	0.0	0.0	0.0	0.0	0.0	0.0	24.6	0.0	0.0	0.0	1.3	2.5	28.5
29	0.0		0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	2.0	3.8	17.3
30	0.0	0.0	0.0	0.0	0.0	15.2	0.0	0.5	0.0	0.0	53.3	0.0	69.1
31	0.0		0.0		0.0		0.8	6.4		0.0		0.0	7.1
Max	6.4	34.8	55.9	1.0	15.2	29.2	88.9	62.7	58.4	21.1	53.3	10.7	437.7
Total	12.7	78.5	82.3	1.0	20.1	99.6	380.0	195.8	160.0	36.3	56.6	23.1	1146.1

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1947 4/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	999.9	999.9	0.0	999.9	8.9
2	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	999.9	2.5	0.0	999.9	3.8
3	0.0	0.0	3.0	0.0	0.5	0.0	0.0	0.0	1.0	999.9	0.0	999.9	4.5
4	13.5	3.3	0.0	0.0	2.5	0.0	0.0	0.0	999.9	999.9	0.0	999.9	19.3
5	2.8	15.2	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	0.0	999.9	18.0
6	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	0.0	1.0	4.8
7	0.0	0.0	0.0	0.0	1.3	0.0	26.4	0.0	999.9	999.9	0.0	999.9	27.7
8	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.8	999.9	999.9	0.0	999.9	6.4
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	0.0	999.9	0.0
10	0.3	0.0	0.0	0.0	0.0	0.0	0.0	3.8	999.9	999.9	0.0	999.9	4.1
11	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.5	1.3	999.9	0.0	999.9	4.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	999.9	999.9	0.0	999.9	4.6
13	0.0	0.0	0.0	0.0	0.0	8.9	0.0	11.4	1.5	999.9	0.0	999.9	21.8
14	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.5	999.9	999.9	0.0	999.9	3.5
15	0.0	0.0	0.0	0.0	0.0	0.8	3.3	4.1	999.9	999.9	0.0	999.9	8.2
16	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.8	999.9	999.9	0.0	999.9	2.8
17	0.0	0.0	0.0	0.0	0.0	0.0	8.9	13.5	4.3	999.9	0.0	999.9	26.7
18	0.0	0.0	7.6	0.0	0.0	0.0	0.0	999.9	17.8	2.5	0.0	999.9	27.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	999.9	0.0	999.9	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.8	999.9	999.9	0.0	999.9	5.9
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	0.0	999.9	0.0
22	0.0	4.3	0.0	0.0	0.0	0.0	25.9	31.5	999.9	3.6	0.0	999.9	65.3
23	0.0	0.0	1.5	0.0	0.0	0.0	21.1	999.9	999.9	1.8	0.0	2.5	26.9
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	999.9	0.0	999.9	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	27.2	999.9	999.9	999.9	0.0	999.9	27.2
26	0.0	0.0	0.0	0.0	0.0	0.0	14.0	999.9	999.9	999.9	0.0	999.9	14.0
27	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	999.9	999.9	0.0	999.9	17.8
28	0.0	0.0	0.0	0.0	0.0	0.0	17.8	999.9	999.9	999.9	0.0	17.8	35.6
29	0.0		0.0	0.0	0.0	0.0	0.0	999.9	999.9	999.9	0.0	1.3	1.3
30	0.0		0.5	0.0	0.0	0.0	1.0	999.9	999.9	999.9	0.0	999.9	1.5
31	0.0		0.0		0.0		0.0	999.9		999.9		999.9	0.0
Max	13.5	15.2	7.6	0.0	2.5	8.9	27.2	31.5	17.8	3.6	0.0	17.8	145.6
Total	16.6	27.6	12.6	0.0	5.6	11.0	185.0	75.3	25.9	10.4	0.0	22.6	392.6

Note: 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1948 (5/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	18.5
2	0.0	1.8	0.0	0.0	0.0	0.0	0.0	44.2	12.7	0.0	0.0	0.0	58.7
3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	8.4	22.6
4	0.0	0.0	0.0	2.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	15.8	19.1
5	0.0	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	12.7
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150.6	0.0	0.0	0.0	5.6	156.2
7	0.0	0.0	22.9	0.0	0.3	0.0	0.0	7.6	0.0	0.0	0.0	0.0	30.7
8	0.0	0.0	44.7	0.0	0.0	0.0	0.0	99.8	39.4	0.0	0.0	0.0	183.9
9	11.9	0.0	6.6	0.0	20.1	0.0	0.0	0.0	66.8	0.0	0.0	0.0	105.4
10	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	50.8	0.0	0.0	0.0	55.1
11	0.0	0.0	15.2	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	18.5
12	0.0	0.0	3.8	0.0	0.0	0.8	0.0	3.1	0.0	0.0	0.0	0.0	7.6
13	0.0	0.0	0.0	0.0	0.0	0.0	1.3	59.7	0.0	0.0	0.0	0.0	61.0
14	0.0	0.0	0.0	0.0	0.0	0.0	3.1	103.1	0.0	0.0	0.0	0.0	106.2
15	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
16	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
17	0.0	6.4	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.0	0.0	0.0	25.7
18	0.0	6.1	4.1	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	1.3	29.2
19	0.0	1.8	0.0	0.0	0.0	0.0	30.5	0.0	0.0	7.6	0.0	0.0	39.9
20	2.0	0.0	0.0	0.0	0.0	0.0	22.9	64.8	0.0	11.7	0.0	8.9	110.2
21	3.8	0.0	0.0	0.0	0.0	0.0	0.0	78.5	0.0	0.0	0.0	0.8	83.1
22	0.0	0.0	0.0	0.0	0.0	1.3	41.2	25.9	0.0	0.0	0.0	0.0	68.3
23	0.0	0.0	0.0	0.0	0.0	0.0	74.9	0.5	0.0	0.0	0.0	0.0	75.4
24	0.0	0.0	0.0	0.0	0.0	26.2	0.0	0.0	38.1	0.0	0.0	0.0	64.3
25	0.0	15.5	0.0	0.0	0.0	0.0	0.0	3.3	2.0	0.0	0.0	0.0	20.8
26	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
27	0.0	0.0	0.0	0.0	0.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0	66.6
28	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
29	0.0		0.0	0.0	0.0	0.0	3.8	17.3	0.0	0.0	0.0	0.0	21.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	20.3
31	0.0		0.0		0.0		13.0	0.0		0.0		0.5	13.5
Max	11.9	15.5	44.7	2.0	20.1	26.2	74.9	150.6	66.8	11.7	5.1	15.8	445.3
Total	17.8	45.2	101.6	2.0	20.3	45.5	257.1	729.7	209.8	19.3	5.1	41.2	1494.5

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1949 (6/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	999.9	0.0	0.0	4.1	0.0	3.8	0.0	999.9	7.9
2	0.0	31.0	0.0	0.0	999.9	0.3	0.0	0.0	19.6	0.0	0.0	999.9	50.8
3	6.1	33.3	0.0	1.8	999.9	3.3	0.0	0.0	11.9	0.0	0.0	999.9	56.4
4	0.5	19.6	1.3	2.0	999.9	0.0	0.0	17.8	8.6	0.0	0.0	999.9	49.8
5	0.0	13.2	0.0	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	999.9	13.2
6	0.0	1.5	0.0	0.0	999.9	9.7	0.0	0.0	0.0	0.0	0.0	999.9	11.2
7	0.0	0.0	0.0	0.0	999.9	8.4	0.0	3.8	0.0	0.0	0.0	999.9	12.2
8	0.0	0.0	0.0	0.0	999.9	0.0	60.7	62.2	2.8	0.0	0.0	999.9	125.7
9	16.0	0.0	13.5	0.0	999.9	0.0	53.3	44.5	0.0	0.0	0.0	999.9	127.3
10	0.5	0.0	23.4	0.0	999.9	0.0	8.6	0.0	0.0	0.0	0.0	999.9	32.5
11	0.0	0.0	19.1	0.0	999.9	0.0	20.3	0.0	0.0	0.0	0.0	999.9	39.4
12	0.0	0.0	0.0	0.0	999.9	0.0	1.3	0.0	0.0	0.0	0.0	999.9	1.3
13	0.0	0.0	0.0	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	999.9	0.0
14	0.0	0.0	0.0	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	999.9	0.0
15	0.0	0.0	0.0	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	999.9	0.0
16	0.0	0.0	0.0	0.0	999.9	0.0	37.3	0.0	0.0	0.0	0.0	999.9	37.3
17	0.0	0.0	0.0	0.0	999.9	0.0	0.0	3.1	0.0	0.0	0.0	999.9	3.1
18	0.0	0.0	0.0	0.0	999.9	0.0	0.8	0.0	0.0	0.0	0.0	999.9	0.8
19	0.0	0.0	0.0	0.0	999.9	0.0	39.9	0.0	0.0	0.0	0.0	999.9	39.9
20	0.0	0.0	3.6	0.0	999.9	0.0	9.4	0.0	66.6	0.0	0.0	999.9	79.5
21	0.0	2.5	0.0	0.0	999.9	0.0	22.4	0.0	0.0	0.0	0.0	999.9	24.9
22	0.0	0.0	0.0	0.0	999.9	0.0	8.4	1.3	0.0	1.3	0.0	999.9	10.9
23	0.0	0.0	32.5	0.0	999.9	0.0	8.9	0.0	0.0	0.0	0.0	999.9	41.4
24	0.0	0.0	8.9	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	999.9	8.9
25	0.0	0.0	0.0	0.0	999.9	1.3	1.3	0.0	0.0	0.0	0.0	999.9	2.5
26	2.0	0.0	0.0	0.0	999.9	0.0	0.8	9.7	0.0	0.0	0.0	999.9	12.4
27	0.0	0.0	0.0	0.0	999.9	0.0	0.0	0.0	0.3	0.0	0.0	999.9	0.3
28	0.0	0.0	0.0	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	999.9	0.0
29	0.0		0.0	0.0	999.9	0.0	48.0	0.0	0.8	0.0	0.0	999.9	48.8
30	0.0	0.0	0.0	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	999.9	0.0
31	0.0		0.0		999.9		10.2	0.0		0.0		999.9	10.2
Max	16.0	33.3	32.5	2.0	0.0	9.7	60.7	62.2	66.6	3.8	0.0	0.0	286.8
Total	25.2	101.1	102.1	3.8	0.0	22.9	331.5	146.3	110.5	5.1	0.0	0.0	848.4

Note: 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1950 (7/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	32.3	0.0	0.0	0.5	0.0	1.3	0.0	62.5	0.0	-999.9	0.0	0.0	96.6
2	5.3	0.0	0.0	8.6	0.0	0.0	0.0	59.4	56.4	0.0	0.0	0.0	129.7
3	0.0	0.0	0.0	9.9	0.0	0.0	-999.9	8.4	1.5	0.0	0.0	0.0	19.8
4	0.0	0.0	0.0	-999.9	0.0	6.1	2.0	-999.9	7.6	0.0	0.0	0.0	15.7
5	0.0	-999.9	0.0	0.0	1.5	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.5
6	0.0	15.2	0.0	0.0	0.0	1.0	7.4	11.2	0.0	0.0	0.0	0.0	34.8
7	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.8
8	0.0	34.5	0.0	-999.9	0.0	0.0	22.6	12.7	5.8	0.0	0.0	0.0	75.6
9	0.0	23.9	0.0	0.5	0.0	0.0	3.0	20.8	3.0	0.0	0.0	0.0	51.2
10	0.0	-999.9	0.0	0.0	0.0	0.0	25.4	0.0	0.0	0.0	0.0	0.0	25.4
11	0.0	0.0	-999.9	0.0	0.0	0.0	4.6	18.3	0.0	0.0	0.0	0.0	22.9
12	0.0	0.0	2.8	0.0	0.0	0.0	-999.9	2.0	0.0	0.0	0.0	0.0	4.8
13	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	2.5	0.0	0.0	0.0	2.5
14	0.0	-999.9	1.0	0.5	0.0	0.0	0.0	0.0	17.3	15.7	0.0	0.0	34.5
15	0.0	-999.9	1.0	-999.9	0.0	0.0	26.7	12.4	9.7	0.0	0.0	0.0	49.8
16	0.0	-999.9	7.4	2.0	0.0	0.0	6.1	7.1	0.0	0.0	0.0	0.0	22.6
17	0.0	0.0	0.0	2.3	0.0	1.0	11.2	37.6	0.0	0.0	0.0	0.0	52.1
18	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	9.9	0.0	0.0	0.0	0.0	9.9
19	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	2.5	0.0	0.0	0.0	0.0	2.5
20	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	4.6
21	0.0	0.0	38.1	0.0	-999.9	0.0	64.8	0.0	0.0	0.0	0.0	0.0	102.9
22	0.0	0.0	21.3	0.0	0.0	0.0	25.9	-999.9	0.0	0.0	0.0	0.0	47.2
23	0.0	0.0	28.2	0.0	0.0	0.0	21.3	96.3	3.0	0.0	0.0	0.0	148.8
24	0.0	0.0	2.0	0.0	-999.9	0.0	3.8	3.8	0.0	0.0	0.0	0.0	9.6
25	16.3	0.0	0.0	0.0	-999.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	20.1
26	3.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	3.0
27	8.4	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	19.8
28	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
29	16.8		0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	16.8
30	5.1		0.0	0.0	2.8	15.0	-999.9	32.8	-999.9	0.0	0.0	0.0	55.7
31	0.0		0.0		0.5		-999.9	4.1		0.0		0.0	4.6
Max	32.3	34.5	38.1	9.9	2.8	15.0	64.8	96.3	56.4	15.7	0.0	0.0	365.8
Total	87.2	73.6	101.8	28.9	5.6	28.2	238.2	401.8	106.8	15.7	0.0	0.0	1087.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1951 (8/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	15.7	0.0	0.0	32.8	17.5	0.0	43.2	0.0	0.0	0.0	0.0	109.2
2	0.0	4.6	0.0	29.0	1.8	0.0	5.1	4.3	0.0	0.0	0.0	0.0	44.8
3	0.0	0.0	0.0	28.2	-999.9	0.0	1.8	0.0	0.0	0.0	0.0	0.0	30.0
4	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3
5	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6
6	-999.9	0.0	-999.9	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
7	1.8	4.6	-999.9	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8
8	0.0	4.1	0.0	20.8	-999.9	0.0	0.0	18.3	-999.9	0.0	0.0	0.0	43.2
9	-999.9	2.3	2.8	2.0	-999.9	5.1	0.0	0.5	0.0	7.1	0.0	0.0	19.8
10	0.1	10.9	0.8	0.0	0.0	0.5	0.0	-999.9	0.0	0.0	0.0	0.0	12.3
11	3.3	1.8	0.3	0.0	0.0	1.8	0.0	72.9	8.1	0.0	0.0	0.0	88.2
12	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	9.4
13	0.0	0.0	0.0	0.0	3.6	0.0	0.8	7.4	0.0	0.0	0.0	0.0	11.8
14	0.0	0.0	0.0	0.0	3.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	3.0
15	-999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
17	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	312.4	0.0	0.0	0.0	0.0	312.4
18	0.0	0.0	-999.9	0.1	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1
19	-999.9	0.1	19.1	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	30.1
20	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
21	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
22	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
23	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-999.9	-999.9	0.0	0.0	0.0	0.1
24	0.0	0.0	-999.9	0.0	0.0	0.0	4.8	13.2	0.0	0.0	0.0	0.0	18.0
25	0.0	0.0	4.8	0.0	3.6	0.8	0.0	8.4	-999.9	0.0	23.1	0.0	40.7
26	-999.9	0.0	8.1	0.0	0.0	0.0	1.5	-999.9	0.0	0.0	29.5	-999.9	39.1
27	0.5	0.0	8.1	0.0	0.0	0.0	-999.9	1.0	0.0	0.0	0.0	4.1	13.7
28	4.8	0.0	2.8	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	13.7
29	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	21.6	0.0	0.0	21.9
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0
31	0.0	0.0	0.0	0.0	9.7	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	9.7
Max	8.1	15.7	19.1	29.0	32.8	17.5	10.9	312.4	8.1	21.6	29.5	4.1	508.8
Total	19.4	44.1	46.8	87.5	55.5	25.7	33.4	489.5	9.4	28.7	52.6	4.1	896.7

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1952 (9/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	3.8	8.1	-999.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4
2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
3	14.2	3.6	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8
4	0.0	53.8	0.0	0.0	-999.9	-999.9	0.0	73.7	0.0	0.0	0.0	0.0	127.5
5	0.0	4.1	1.3	-999.9	-999.9	42.7	0.0	3.0	15.7	18.5	0.0	0.0	85.3
6	0.0	0.0	-999.9	-999.9	0.0	-999.9	0.0	3.6	3.0	0.0	0.0	0.0	6.6
7	19.1	0.0	9.4	0.0	0.0	0.0	0.0	3.8	-999.9	0.0	0.0	0.0	32.3
8	6.4	0.0	0.0	0.0	0.0	0.0	-999.9	2.0	0.0	0.0	0.0	0.0	8.4
9	0.0	0.0	0.0	0.0	2.5	0.0	1.5	0.0	0.0	0.0	0.0	0.0	4.0
10	0.0	0.0	2.5	0.0	5.1	0.0	0.0	25.9	0.0	0.0	0.0	0.0	33.5
11	0.0	0.0	0.0	0.0	0.0	0.0	40.1	39.6	0.0	0.0	-999.9	0.0	79.7
12	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	34.0	0.0	0.0	0.0	0.0	34.0
13	0.0	5.1	0.0	0.0	0.0	0.0	10.9	2.5	0.0	-999.9	0.0	0.0	18.5
14	7.9	-999.9	4.6	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	23.4
15	0.0	0.0	2.3	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	15.5
16	-999.9	21.8	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.4
17	0.0	0.0	0.0	0.0	0.0	0.0	44.7	0.0	0.0	0.0	0.0	0.0	44.7
18	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3
19	0.0	0.0	0.0	-999.9	0.0	0.0	3.3	27.9	0.0	0.0	0.0	0.0	31.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	16.8
21	0.0	0.0	0.0	0.0	0.0	0.0	1.8	-999.9	0.0	0.0	0.0	0.0	1.8
22	0.0	0.0	3.6	0.0	0.0	47.0	3.6	0.0	0.0	0.0	0.0	0.0	54.2
23	0.0	0.0	0.0	0.0	-999.9	5.3	23.1	0.0	0.0	0.0	0.0	0.0	28.4
24	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
25	0.0	50.8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	50.8
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	7.6	0.0	0.0	0.0	7.6
27	0.0	0.0	-999.9	-999.9	0.0	14.0	16.8	0.0	4.6	0.0	0.0	0.0	35.4
28	0.0	2.0	1.8	4.3	0.0	6.6	80.5	13.5	0.0	0.0	0.0	0.0	108.7
29	0.0	6.9	11.7	0.0	8.4	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	27.0
30	0.0	999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0
31	2.5	999.9	0.0	999.9	0.0	999.9	0.0	0.0	999.9	0.0	0.0	0.0	4.3
Max	19.1	53.8	21.6	4.3	8.4	47.0	80.5	73.7	15.7	18.5	0.0	1.8	344.4
Total	54.2	151.9	66.9	4.3	18.5	115.6	240.8	257.2	30.9	18.5	0.0	1.8	960.6

Note: -999.9 means that it rained too little to measure. 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1953 (10/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	19.8	0.0	0.0	0.0	0.0	-999.9	0.0	8.9	10.4	0.0	0.0	0.0	39.1
2	1.8	0.0	0.0	0.0	0.0	1.5	0.0	-999.9	0.0	0.0	0.0	0.0	3.3
3	0.0	0.0	0.0	0.0	0.0	2.0	0.0	34.0	0.0	0.0	0.0	0.0	36.1
4	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	-999.9	0.0	15.2
5	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
6	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	4.8	1.3	-999.9	0.0	6.1
7	0.0	0.0	-999.9	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0
8	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
9	0.0	0.0	0.0	0.0	0.0	0.0	49.5	47.0	-999.9	0.0	0.0	0.0	96.5
10	0.0	7.6	0.0	-999.9	0.0	0.0	3.0	29.2	0.0	0.0	0.0	0.0	39.9
11	0.0	18.0	0.0	-999.9	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	24.6
12	0.0	0.0	-999.9	5.3	0.0	0.0	84.1	0.0	0.0	0.0	0.0	0.0	89.4
13	0.0	-999.9	0.0	1.5	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	1.5
14	2.3	1.3	0.0	7.6	-999.9	0.0	19.3	0.0	0.0	8.1	0.0	0.0	38.6
15	58.6	9.7	0.0	0.0	-999.9	-999.9	7.6	0.0	3.6	-999.9	0.0	0.0	79.4
16	1.8	0.0	-999.9	0.0	0.0	0.0	0.0	4.6	12.7	0.0	0.0	0.0	19.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.9	0.0	0.0	0.0	55.9
18	0.0	0.0	0.0	-999.9	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
19	14.5	0.0	-999.9	12.2	0.0	-999.9	47.0	6.9	0.0	0.0	0.0	0.0	80.5
20	0.0	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
21	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	1.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	1.0
23	0.0	0.0	-999.9	0.0	0.0	-999.9	51.6	205.7	0.0	0.0	0.0	0.0	257.3
24	0.0	0.0	0.5	0.0	0.0	0.0	6.4	0.0	0.0	0.0	-999.9	-999.9	6.9
25	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	17.8
26	-999.9	0.0	2.0	0.0	-999.9	0.0	0.0	12.2	0.0	0.0	0.0	12.7	26.9
27	0.0	0.0	0.3	0.0	13.0	0.0	0.0	12.2	-999.9	0.0	0.0	0.0	25.4
28	0.0	0.0	0.0	0.0	-999.9	0.0	0.5	-999.9	0.0	0.0	0.0	0.0	0.5
29	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	113.3	8.4	0.0	0.0	0.0	1.0	122.7
Max	58.6	18.0	10.2	12.2	16.0	2.0	113.3	205.7	55.9	15.2	0.0	12.7	519.9
Total	98.8	36.6	13.0	28.4	31.8	3.6	388.9	369.1	87.4	24.6	0.0	21.3	1103.4

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1954 (11/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	5.6	0.0	19.3	1.5	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	26.4
2	0.0	31.0	1.8	1.0	0.0	0.0	6.6	62.2	0.0	16.3	0.0	1.3	120.1
3	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	15.0	0.0	61.2	0.0	0.0	76.2
4	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.3	0.0	-999.9	0.0	-999.9	1.8
5	-999.9	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	6.1
6	23.1	0.0	0.0	0.0	1.3	-999.9	0.0	0.0	1.5	0.0	0.0	0.0	25.9
7	11.2	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	11.2
8	34.3	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	45.7
9	2.8	0.0	0.0	0.0	-999.9	0.0	2.5	8.1	1.8	0.0	0.0	0.0	15.2
10	0.0	7.4	0.3	0.0	4.6	0.0	11.7	0.0	69.6	0.0	1.0	0.0	94.5
11	0.0	20.8	10.2	0.0	0.0	0.0	17.8	-999.9	13.7	0.0	0.0	0.0	62.5
12	0.0	0.8	2.8	0.0	3.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	8.1
13	0.0	3.6	0.0	-999.9	0.0	7.6	2.5	9.1	0.0	0.0	0.0	0.0	22.9
14	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	12.7	1.8	0.0	0.0	0.0	14.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	1.0	0.0	0.0	0.0	24.9
16	0.0	0.0	0.0	0.0	0.0	0.0	65.5	3.3	-999.9	0.0	0.0	0.0	68.8
17	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
18	0.3	6.9	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	7.1
19	29.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
20	21.3	27.2	0.0	-999.9	0.0	0.0	26.7	28.2	0.0	0.0	0.0	0.0	103.4
21	0.0	1.3	0.0	1.5	-999.9	0.8	-999.9	0.0	0.0	0.0	0.0	0.0	3.6
22	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	14.5	0.0	2.0	-999.9	5.1	0.0	0.0	0.0	0.0	0.0	0.0	21.6
24	0.0	9.4	1.8	4.8	0.0	0.0	0.0	0.0	19.3	0.0	2.0	0.0	37.3
25	0.0	0.0	1.3	0.0	0.0	-999.9	0.0	0.5	17.0	0.0	0.0	0.0	18.8
26	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	12.4	2.3	0.0	0.0	0.0	14.7
27	0.0	0.0	0.0	0.0	0.0	0.0	17.0	3.3	0.0	2.3	0.0	0.0	22.6
28	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
29	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
30	9.4		-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	9.4
31	0.0		8.1		17.0		0.0	0.0		0.0	0.0	0.0	25.1
Max	34.3	31.0	19.3	4.8	17.0	7.6	65.5	62.2	69.6	61.2	2.0	1.3	375.9
Total	137.4	123.4	47.2	10.9	26.4	19.6	163.3	180.1	128.0	79.8	3.0	1.3	920.5

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1955 (12/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	10.4	0.0	0.0	0.0	20.8	0.0	0.0	2.0	0.0	0.0	33.2
2	0.0	0.0	31.8	0.0	0.0	0.0	21.3	0.0	3.8	0.0	0.0	0.0	56.9
3	2.3	0.0	0.0	0.0	0.0	0.0	5.6	0.0	1.3	0.0	0.0	0.0	9.2
4	0.0	0.0	0.0	0.0	0.0	0.0	13.2	-999.9	51.1	0.0	0.0	0.0	64.3
5	0.0	0.0	0.0	0.0	1.3	0.0	-999.9	-999.9	15.5	0.0	0.0	0.0	16.8
6	0.0	0.0	-999.9	0.0	7.6	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	7.6
7	-999.9	0.0	0.0	0.0	2.0	0.0	-999.9	9.7	0.0	0.0	-999.9	0.0	11.7
8	0.0	0.0	0.0	0.0	4.1	0.0	0.0	70.4	-999.9	0.0	0.0	0.0	74.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5	0.0	0.0	0.0	3.8
10	0.0	0.0	0.0	0.0	7.1	0.0	-999.9	65.5	0.0	-999.9	0.0	0.0	72.6
11	0.0	0.0	-999.9	0.0	6.9	0.0	0.0	10.7	-999.9	9.9	0.0	0.0	27.5
12	0.0	0.0	-999.9	8.4	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	8.4
13	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5
14	0.0	0.0	0.0	0.8	0.0	7.9	0.0	8.9	86.4	0.0	0.0	2.8	106.8
15	0.0	0.0	2.5	0.0	0.0	0.0	0.0	12.7	7.4	0.0	0.0	5.6	28.2
16	0.0	0.0	9.7	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	-999.9	9.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	7.9	0.0	0.0	0.0	11.2
18	0.0	0.0	0.0	0.0	0.0	1.5	14.0	13.7	0.0	0.0	0.0	0.0	29.2
19	0.0	0.0	-999.9	0.0	0.0	0.0	6.4	15.0	0.0	0.0	0.0	0.0	21.4
20	0.0	0.0	0.0	0.0	0.0	0.0	30.0	11.9	0.0	0.0	0.0	0.0	41.9
21	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6
22	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	9.4	9.4
23	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	1.3	0.0	0.0	-999.9	0.0	0.0	6.6	0.0	0.0	0.0	0.0	7.9
26	0.0	0.0	0.0	-999.9	6.4	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	6.4
27	0.0	0.0	0.0	0.0	0.0	-999.9	22.9	0.0	0.0	0.0	0.0	0.0	22.9
28	0.0	0.0	0.3	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.3
29	0.0	0.0	-999.9	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	4.3	0.0	0.0	0.0	21.8	-999.9	0.0	0.0	0.0	26.1
31	14.0	0.0	4.1	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.8	29.1
Max	14.0	1.3	31.8	14.5	7.6	7.9	30.0	70.4	86.4	9.9	0.0	9.4	283.2
Total	16.3	1.3	58.8	28.0	35.4	9.4	134.2	265.3	175.9	11.9	0.0	18.6	755.1

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1956 (13/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	35.1	27.7	0.0	0.0	3.8	0.0	66.5
2	1.8	0.0	0.0	2.3	0.0	0.0	-0.1	25.4	0.0	0.0	5.3	0.0	34.7
3	22.4	0.0	-999.9	2.3	0.0	0.0	3.0	4.3	0.0	0.0	3.0	0.0	35.1
4	10.2	0.0	-999.9	1.5	0.0	45.0	15.5	0.0	0.0	0.0	0.0	0.0	72.1
5	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
6	-999.9	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	10.2
7	0.0	0.0	0.0	0.0	0.0	17.8	0.0	40.4	0.0	0.0	0.0	0.0	58.2
8	-999.9	0.0	-999.9	-999.9	0.0	0.0	59.2	223.5	0.0	0.0	0.0	0.0	282.7
9	0.0	0.0	0.0	1.8	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	13.2
10	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.8
11	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	8.9
12	0.0	0.0	2.5	0.0	0.0	0.0	6.9	0.0	-999.9	0.0	0.0	0.0	9.4
13	0.0	0.0	2.8	0.0	0.0	0.0	2.3	7.6	0.0	0.0	0.0	0.0	12.7
14	0.0	0.0	0.0	0.0	0.0	0.0	4.8	24.6	0.5	0.0	0.0	0.0	30.0
15	0.0	0.0	14.0	0.0	-999.9	0.0	-999.9	34.8	0.0	0.0	0.0	0.0	48.8
16	0.0	0.0	29.7	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	29.7
17	0.0	0.0	6.1	0.0	0.0	0.0	-999.9	20.6	0.0	0.0	0.0	0.0	26.7
18	0.0	0.0	0.0	0.0	-999.9	0.0	14.7	0.0	0.0	0.0	0.0	0.0	14.8
19	0.0	0.0	0.0	0.0	0.0	17.8	5.8	10.7	0.0	0.0	0.0	0.0	34.3
20	0.0	0.0	11.2	0.0	0.0	7.9	0.0	17.0	0.0	0.0	0.0	0.0	36.1
21	0.0	0.0	9.4	2.0	0.0	0.0	53.3	-999.9	0.0	0.0	0.0	4.8	69.6
22	0.0	0.0	1.8	-999.9	0.0	0.0	1.3	-999.9	-999.9	0.0	0.0	2.0	5.1
23	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	8.9
24	0.0	0.0	-999.9	3.0	0.0	0.0	24.4	0.0	0.0	0.0	0.0	0.0	27.5
25	0.0	0.0	0.3	-999.9	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-999.9	3.3
26	0.0	0.0	0.2	0.5	0.0	0.8	0.0	-999.9	0.0	-999.9	0.0	0.0	1.4
27	0.0	0.5	-999.9	0.0	0.0	20.3	14.0	-999.9	0.0	0.0	0.0	0.0	34.8
28	0.0	6.1	0.0	0.0	0.0	0.0	17.0	76.2	19.1	6.1	0.0	0.0	124.5
29	0.0	65.8	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	65.8
30	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	56.1	0.0	0.0	0.0	67.6
31	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
Max	22.4	65.8	29.7	3.0	0.0	45.0	59.2	223.5	56.1	6.1	0.0	4.8	515.6
Total	34.3	72.4	77.9	14.2	0.0	134.1	268.7	530.6	75.8	18.3	0.0	6.9	1233.1

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1957 (14/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	-999.9	0.0	0.0	0.0	3.3	15.0	0.0	11.9	0.0	0.0	0.0	0.0	30.2
2	8.4	-999.9	0.0	0.0	4.6	-999.9	-999.9	0.8	3.0	0.0	15.5	0.0	32.3
3	0.0	0.0	0.0	0.0	1.8	30.5	0.0	0.0	3.6	8.1	0.0	4.6	48.6
4	0.0	0.0	10.9	19.6	0.0	1.8	0.0	0.0	3.3	0.0	0.0	2.3	37.9
5	0.0	0.0	-999.9	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	20.6
6	0.0	0.0	0.0	4.6	29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	34.3
7	0.0	22.1	8.4	13.5	0.0	0.0	0.0	6.9	5.8	4.3	-999.9	9.7	70.7
8	6.4	1.5	0.0	0.3	0.0	0.0	0.0	8.1	0.0	0.0	0.3	24.9	41.5
9	4.6	0.5	0.0	0.0	0.0	0.0	0.0	29.2	0.5	0.0	0.0	0.3	35.1
10	0.0	0.0	1.5	0.0	0.0	0.0	15.5	0.0	0.0	0.0	0.0	0.0	17.0
11	10.4	0.0	-999.9	0.0	3.6	-999.9	0.0	-999.9	0.0	0.0	0.0	28.4	42.4
12	8.6	0.0	0.0	0.0	4.6	0.0	0.0	61.2	0.0	0.0	0.0	0.4	74.8
13	0.5	0.0	0.0	0.0	2.3	0.0	-999.9	71.1	0.0	0.0	0.8	0.0	74.7
14	11.2	0.0	2.0	0.8	-999.9	0.0	0.0	1.0	0.0	0.0	-999.9	0.0	15.0
15	0.0	0.0	-999.9	5.3	-999.9	0.0	1.3	0.0	0.0	0.0	0.0	0.0	6.6
16	0.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	4.0
17	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
18	11.7	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7
19	0.0	6.6	2.0	0.0	0.0	0.0	-999.9	22.1	0.0	0.0	0.0	0.0	30.7
20	0.0	3.8	0.0	0.8	-999.9	0.0	13.5	2.3	0.0	24.1	22.4	0.0	66.9
21	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	18.8	-999.9	0.0	18.8
22	0.0	0.0	7.4	0.0	-999.9	0.0	2.8	0.0	0.0	15.2	0.0	0.0	25.4
23	0.0	0.0	6.4	19.6	5.1	0.0	0.0	0.0	0.0	22.1	1.0	0.0	54.2
24	0.0	0.0	3.3	9.7	6.1	0.0	0.0	0.0	10.2	0.0	3.6	0.0	32.9
25	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	13.0	0.0	0.0	10.2	0.0	23.2
26	27.7	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.0	0.0	-999.9	0.0	40.4
27	23.1	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1
28	5.1	0.0	0.0	7.1	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	13.5
29	0.0		9.1	1.8	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	10.9
30	15.5		19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.1
31	5.6		2.8		0.0	0.0	0.0	0.0				0.0	8.4
Max	27.7	22.1	19.6	19.6	29.2	30.5	15.5	71.1	10.2	24.1	22.4	28.4	320.4
Total	138.8	34.5	94.2	102.4	60.6	48.6	33.1	240.3	26.4	95.1	53.8	72.9	1000.7

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 194458 (15/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
2	-999.9	2.5	26.9	5.3	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	34.7
3	0.0	0.0	13.0	-999.9	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	13.0
4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.8
5	0.0	2.5	0.0	0.0	0.0	-999.9	5.3	-999.9	0.0	0.0	0.0	0.0	7.8
6	0.0	0.0	0.0	0.0	2.0	-999.9	1.0	46.7	0.0	0.0	0.0	0.0	49.7
7	0.0	-999.9	0.0	0.0	-999.9	0.0	17.8	17.8	0.0	0.0	0.0	0.0	35.6
8	0.0	0.0	0.0	0.8	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	3.1
9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	5.8
10	0.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	19.8
11	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	52.1	0.0	0.3	0.0	0.0	52.4
12	0.0	0.0	33.5	0.0	0.0	0.0	0.0	16.8	0.0	0.0	9.7	-999.9	60.0
13	0.0	0.0	2.0	0.0	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	19.3	21.3
14	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.7	0.0	0.0	58.9	149.6
15	0.0	0.0	0.0	0.0	-999.9	0.0	22.4	0.0	-999.9	0.0	3.3	3.3	29.0
16	0.0	0.0	0.0	0.0	0.5	0.0	14.2	0.0	17.5	0.0	0.0	0.0	32.2
17	0.0	0.0	-999.9	0.0	0.0	0.0	62.0	0.0	0.0	0.0	0.0	0.0	62.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	-999.9	0.0	3.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0
20	0.0	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	0.0	6.4	0.0	0.0	6.4
21	0.0	0.0	0.0	-999.9	-999.9	-999.9	34.5	33.0	0.0	0.0	0.0	2.0	69.5
22	7.9	0.0	-999.9	-999.9	1.0	-999.9	0.0	-999.9	0.0	0.0	0.0	31.0	39.9
23	0.0	0.0	0.8	0.0	0.0	0.0	-999.9	10.7	0.0	0.0	0.0	0.8	12.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	7.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
26	-999.9	0.0	0.0	7.6	0.0	0.0	26.4	0.0	9.1	0.0	0.0	0.0	43.1
27	-999.9	-999.9	0.0	0.0	0.0	4.6	40.9	0.8	-999.9	0.0	0.0	0.0	46.3
28	-999.9	0.0	0.5	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.5
29	1.3		0.5	0.0	0.0	0.0	13.2	0.0	-999.9	0.0	0.0	0.0	15.0
30	0.0	0.0	0.0	0.5	0.0	5.8	0.0	0.0	5.8	0.0	0.0	0.0	12.1
31	0.0		0.0		-999.9		0.0	0.0		0.0		0.0	0.0
Max	7.9	2.5	33.5	7.6	2.0	5.8	62.0	52.1	90.7	6.4	9.7	58.9	339.1
Total	9.2	5.5	94.0	14.2	3.5	10.4	241.5	188.4	131.9	6.7	13.0	115.3	833.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1959 (16/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	3.6	0.0	0.0	0.0	37.1	0.0	0.0	0.0	0.0	40.7
2	0.0	0.0	4.3	0.0	0.0	0.0	41.7	18.3	53.6	0.0	16.3	2.0	136.2
3	0.0	4.8	3.8	11.7	0.0	10.9	1.8	0.0	-999.9	0.0	2.0	0.0	35.0
4	0.5	39.4	0.0	7.1	0.0	0.0	140.2	10.2	16.5	4.6	0.0	0.0	218.5
5	29.7	-999.9	0.0	-999.9	23.1	0.0	35.6	6.9	-999.9	-999.9	0.0	0.0	95.3
6	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	35.8	19.3	50.3	105.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	53.6	0.0	54.1
8	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	71.1	0.0	0.0	0.0	71.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	9.1	0.0	0.0	0.0	9.1
10	0.0	4.3	0.5	0.0	0.0	0.0	-999.9	0.0	23.1	0.0	0.0	0.0	27.9
11	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	17.0
12	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	1.8	0.0	0.0	0.0	1.8
13	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	10.2	1.0	0.0	0.0	0.0	0.0	0.0	11.2
15	0.0	0.0	0.0	0.0	1.5	0.0	0.0	35.1	0.0	0.0	0.0	0.0	36.6
16	0.0	0.0	-999.9	0.0	14.5	0.0	1.3	1.5	-999.9	0.0	0.0	0.0	17.3
17	0.0	0.0	0.0	0.0	1.3	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	1.3
18	0.0	2.3	0.0	0.0	18.3	0.0	0.0	-999.9	1.3	0.0	0.0	0.0	21.9
19	3.3	20.1	0.0	0.0	15.7	0.0	1.5	34.8	41.9	0.0	0.0	0.0	117.3
20	34.5	0.0	0.0	0.0	0.0	0.0	39.1	0.0	-999.9	0.0	0.0	0.0	73.6
21	0.0	0.0	0.0	1.5	0.0	0.0	4.3	0.0	2.5	0.0	0.0	0.0	8.3
22	0.0	-999.9	0.0	0.0	0.0	0.0	7.1	12.2	0.0	0.0	0.0	0.0	19.3
23	0.0	6.4	0.0	2.3	0.0	0.0	8.9	5.1	0.0	0.0	0.0	0.0	22.7
24	-999.9	0.0	0.0	0.0	0.0	0.0	20.6	34.3	40.9	0.0	0.0	0.0	95.8
25	2.3	0.0	23.9	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	26.2
26	17.8	0.0	1.3	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	33.3
27	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	2.3	0.8	1.8	0.0	0.0	4.9
28	2.8	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	2.8
29	6.1		9.9	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	21.8
30	-999.9		-999.9	-999.9	0.0	0.8	17.3	-999.9	0.0	0.0	0.0	0.0	18.1
31	0.0		1.0		0.0		1.8	45.7		0.0			48.5
Max	34.5	39.4	23.9	11.7	23.1	10.9	140.2	45.7	71.1	35.8	53.6	50.3	540.2
Total	97.0	89.2	44.7	26.2	74.4	21.9	336.4	243.5	268.2	48.0	91.2	52.3	1393.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1960 (17/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	3.0	0.0	0.0	0.0	13.2
3	0.0	0.0	0.0	0.0	-999.9	0.0	6.1	-999.9	2.5	0.0	0.0	0.0	8.6
4	0.0	0.0	0.8	-999.9	1.8	0.0	0.0	0.0	10.4	0.0	0.0	0.0	13.0
5	0.0	0.0	-999.9	0.0	0.0	0.0	2.5	-999.9	0.0	11.2	0.0	0.0	13.7
6	0.0	0.0	1.0	0.0	-999.9	0.0	10.2	1.0	0.0	0.0	0.0	0.0	12.2
7	0.0	0.0	6.1	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	6.1
8	0.0	0.0	9.1	0.8	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	26.9
9	0.0	0.0	19.8	-999.9	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	19.8
10	0.0	0.0	1.8	0.0	0.0	0.0	6.9	-999.9	0.0	0.0	0.0	0.0	8.7
11	0.0	0.0	2.5	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	0.0	22.1
12	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	4.1
13	4.1	0.0	5.3	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	0.0	29.2
14	3.6	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
15	1.0	-999.9	2.8	-999.9	0.0	5.8	-999.9	-999.9	0.0	0.0	0.0	0.0	9.6
16	0.0	-999.9	11.4	0.0	0.8	0.0	7.1	3.8	0.0	-999.9	0.0	1.3	24.4
17	0.0	0.0	-999.9	6.9	-999.9	0.0	0.0	4.3	30.7	0.0	0.0	-999.9	41.9
18	0.0	0.0	0.0	5.1	1.0	-999.9	49.5	69.3	-999.9	0.0	0.0	0.0	124.9
19	1.3	0.0	0.0	25.4	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	27.5
20	43.4	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.0
21	26.7	0.0	0.0	0.0	0.0	-999.9	0.0	1.5	0.0	0.0	0.0	0.0	28.2
22	0.0	0.0	-999.9	0.0	0.0	-999.9	-999.9	-999.9	0.0	0.0	-999.9	0.0	0.0
23	0.0	0.0	9.7	1.0	0.0	0.0	0.0	25.7	0.0	0.0	0.0	0.0	36.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	0.0	0.0	0.0	35.6
25	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	-999.9	0.0	0.0	47.0	-999.9	0.0	0.0	0.0	0.0	47.0
27	0.0	0.0	4.1	0.0	0.8	0.0	0.0	62.5	0.0	0.0	-999.9	0.0	67.4
28	0.0	0.0	9.4	0.0	-999.9	1.5	27.9	1.5	0.0	0.0	-999.9	0.0	40.3
29	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5
30	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	31.7
31	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	7.4	17.6
Max	43.4	0.0	19.8	25.4	1.8	5.8	49.5	69.3	35.6	11.2	0.0	28.7	290.5
Total	87.2	0.0	91.4	39.2	4.4	7.3	204.0	202.9	82.2	11.2	0.0	37.4	767.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1961 (18/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	1.8	0.0	0.0	0.0	0.0	6.6	0.0	27.4	0.8	0.0	0.0	36.6
2	17.8	8.9	0.0	2.0	0.0	0.0	0.0	6.6	64.8	0.0	0.0	0.0	100.1
3	11.7	5.3	0.0	10.9	0.0	0.0	0.0	11.9	13.0	0.0	0.0	0.0	52.8
4	0.0	14.0	0.0	4.1	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	18.6
5	0.0	2.3	1.0	0.5	0.5	0.0	0.0	0.8	-999.9	0.0	0.0	0.0	5.1
6	0.0	0.3	0.0	0.0	0.0	0.0	1.0	14.0	0.0	0.0	0.0	0.0	15.3
7	0.0	2.5	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	9.9
8	0.0	0.0	0.0	0.0	-999.9	11.7	2.3	0.0	53.6	18.5	0.0	0.0	86.1
9	0.0	0.0	0.0	-999.9	-999.9	0.0	0.5	0.0	8.1	3.0	0.0	0.0	11.6
10	-999.9	0.0	0.0	13.7	0.0	0.0	2.5	19.1	-999.9	0.0	0.0	0.0	35.3
11	0.0	0.0	0.0	42.4	0.0	0.0	11.2	2.3	0.0	0.0	0.0	0.0	55.9
12	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	-999.9	0.0	28.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9
14	0.0	0.0	0.0	18.5	0.0	1.3	0.0	0.0	9.9	3.3	-999.9	0.0	33.0
15	0.0	0.0	0.0	0.8	9.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	11.2
16	0.0	0.0	1.3	0.0	0.0	0.0	14.5	45.7	0.0	0.0	36.6	4.6	102.7
17	0.0	4.3	0.0	0.8	0.0	0.0	8.4	27.2	42.9	0.0	0.0	4.1	87.7
18	0.0	-999.9	0.0	0.0	0.0	0.0	51.6	0.0	-999.9	0.0	0.0	0.0	51.6
19	0.0	4.1	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
20	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
21	0.0	0.0	0.0	1.8	0.0	8.1	0.0	-999.9	0.0	0.0	0.0	0.0	9.9
22	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
23	0.0	0.0	-999.9	0.0	0.0	0.0	6.1	1.0	0.0	0.0	0.0	0.0	7.1
24	0.8	0.0	4.3	0.0	1.8	0.3	8.4	9.7	21.8	0.0	0.0	0.0	47.1
25	0.5	0.0	6.1	0.0	0.0	0.0	42.9	0.0	0.0	0.0	0.0	0.0	49.5
26	9.7	0.0	-999.9	0.0	0.0	0.0	4.8	0.8	-999.9	0.0	3.8	0.0	19.1
27	0.0	0.0	0.0	0.0	0.0	0.0	42.9	-999.9	21.6	0.0	3.3	0.0	67.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	0.0	0.0	0.0	15.7
29	53.6	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	2.3	0.8	0.0	0.0	56.7
30	32.3		0.0	0.0	0.0	-999.9	32.5	0.0	-999.9	-999.9	0.0	0.0	64.8
31	18.8		0.0		0.0		3.0	15.7		12.7		0.0	50.2
Max	53.6	14.0	8.4	42.4	9.9	11.7	51.6	45.7	64.8	18.5	36.6	4.6	361.8
Total	145.2	43.5	21.1	124.7	12.7	25.7	246.6	154.8	281.6	39.1	43.7	8.7	1147.4

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1962 (19/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.3	0.0	9.1	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4
2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	31.8	0.0	0.0	0.0	0.0	33.8
3	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
4	0.0	0.0	23.1	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0	0.0	39.6
5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	-999.9	10.2	0.0	0.0	0.0	10.7
6	0.0	0.0	0.0	2.0	0.0	0.0	0.0	-999.9	26.9	0.0	0.0	0.0	28.9
7	0.0	3.8	0.0	5.6	-999.9	0.0	0.0	1.8	4.6	0.0	0.0	0.0	15.8
8	0.0	-999.9	1.0	3.0	2.3	0.0	-999.9	0.0	1.8	0.0	0.0	0.0	8.1
9	0.0	1.3	0.0	2.5	0.0	0.0	7.6	77.0	-999.9	0.0	0.0	0.0	88.4
10	0.0	0.0	0.0	0.3	11.9	0.0	0.0	90.9	0.0	0.0	0.0	0.0	103.1
11	0.0	3.0	0.0	0.0	0.0	0.0	0.0	21.6	18.8	0.0	0.0	0.0	43.4
12	-999.9	0.0	0.0	0.0	0.0	0.0	31.8	0.0	3.3	0.0	0.0	0.0	35.1
13	0.0	0.0	0.3	0.0	7.6	26.7	0.0	5.6	0.0	0.0	0.0	0.0	40.2
14	0.0	0.0	0.0	0.0	2.0	-999.9	0.0	2.5	0.0	0.0	0.0	0.8	5.3
15	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
16	0.0	2.5	0.0	-999.9	0.0	0.0	0.0	8.9	0.0	0.0	5.1	0.0	16.5
17	0.0	19.3	0.0	0.0	0.0	0.0	27.9	2.0	0.0	0.0	0.0	33.5	82.7
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.8	0.0	0.0	6.4	25.9	66.1
19	0.0	0.0	0.5	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.8	0.0	1.3
20	0.0	0.0	0.5	0.5	0.0	0.0	6.4	53.1	7.6	0.0	19.6	0.0	87.7
21	5.6	0.0	28.7	0.0	0.0	-999.9	35.1	42.7	0.0	0.0	0.0	0.0	112.1
22	0.0	0.0	5.1	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	0.0	20.3
23	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	4.3	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	4.3
25	0.0	13.5	0.0	-999.9	-999.9	4.6	0.0	0.0	2.0	0.0	0.0	0.0	20.1
26	-999.9	3.3	0.0	-999.9	0.0	20.3	0.0	0.0	2.8	0.0	0.0	4.1	30.5
27	8.1	0.0	0.0	0.0	0.0	0.8	15.5	1.3	0.0	0.0	0.0	17.8	43.5
28	-999.9	0.0	0.0	0.0	0.0	0.0	59.7	10.2	0.0	0.0	0.0	0.0	69.9
29	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
30	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	2.8
31	0.0	0.0	1.3	0.0	0.0	0.0	-999.9	22.1	0.0	-999.9	0.0	0.0	23.4
Max	8.1	19.3	28.7	9.1	11.9	26.7	59.7	90.9	26.9	5.1	19.6	33.5	339.5
Total	13.7	51.3	68.6	25.8	23.8	52.4	201.2	421.8	78.0	5.1	26.8	82.1	1050.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1963 (20/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	-999.9	1.3	0.0	1.0	1.3	15.5	0.0	10.7	0.0	29.8
2	0.0	0.0	0.0	-999.9	0.0	-999.9	-999.9	1.3	4.6	0.0	4.3	0.0	10.2
3	0.0	0.0	0.5	6.1	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	6.6
4	0.0	-999.9	2.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9
5	0.0	0.0	8.1	0.0	15.2	0.0	0.0	0.0	9.4	0.0	0.0	0.0	32.7
6	0.0	0.0	-999.9	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0
7	0.0	0.0	5.3	0.8	0.0	0.0	0.0	7.6	0.0	0.0	21.6	0.0	35.3
8	0.0	0.8	1.8	0.0	0.5	0.0	0.8	20.8	0.0	0.0	0.0	0.0	24.7
9	0.0	0.0	3.3	0.0	12.4	0.0	0.0	2.5	29.5	0.0	0.0	0.0	47.7
10	0.0	0.0	5.1	0.0	0.0	0.0	0.0	26.9	0.0	0.0	0.0	0.0	32.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.5	0.0	-999.9	0.0	-999.9	46.5
12	0.0	0.0	0.0	0.0	0.0	0.0	8.9	15.7	1.3	-999.9	0.0	-999.9	25.9
13	0.0	0.0	0.0	0.0	6.9	0.0	0.3	3.0	0.0	0.0	0.0	32.3	42.5
14	0.0	0.0	0.0	0.0	11.7	0.0	5.3	0.0	0.0	0.0	5.8	0.8	23.6
15	0.0	18.8	15.0	0.8	1.3	0.0	0.0	0.0	0.0	0.0	0.8	0.0	36.7
16	0.0	23.4	9.1	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5
17	0.0	0.0	2.0	2.8	0.0	0.0	0.0	87.1	14.5	0.0	0.0	0.0	106.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.8	-999.9	6.4	0.0	1.3	0.0	0.0	0.0	0.0	8.5
20	0.0	0.0	0.0	0.0	2.3	0.0	0.0	55.1	10.9	0.0	0.0	0.0	68.3
21	0.0	0.0	0.0	0.8	0.0	0.0	39.4	1.3	0.0	0.0	4.1	0.0	45.6
22	0.0	0.0	2.5	6.9	0.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0	17.3
23	0.0	0.0	3.3	2.8	0.0	0.0	0.0	31.2	0.0	0.0	0.0	0.0	37.3
24	0.0	0.0	7.1	4.3	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	11.4
25	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	6.9
27	0.0	0.0	0.0	3.6	0.0	0.0	0.0	3.6	-999.9	0.0	-999.9	0.0	7.2
28	0.0	0.0	0.0	14.0	0.0	0.0	1.0	27.9	-999.9	0.0	0.0	0.0	42.9
29	0.0	0.0	0.0	0.0	0.0	2.5	76.7	0.0	0.0	0.0	0.0	11.2	90.4
30	0.0	0.0	0.0	1.0	0.0	0.0	10.2	0.0	0.0	-999.9	0.0	0.0	11.2
31	0.0	0.0	-999.9	0.0	0.0	0.0	62.2	0.0	0.0	0.0	0.0	0.0	62.2
Max	0.0	23.4	15.0	14.0	15.2	6.4	76.7	87.1	29.5	0.0	21.6	32.3	321.2
Total	0.0	43.0	73.7	57.6	51.6	8.9	213.7	336.1	92.6	0.0	47.3	44.3	968.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1964 (21/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	9.7	0.0	0.0	1.5	11.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	-999.9	2.0
3	0.0	0.0	2.3	14.5	0.0	0.0	14.0	0.0	0.0	0.0	0.0	4.6	35.4
4	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	5.1	22.9
5	-999.9	0.0	0.0	0.0	4.6	-999.9	20.8	0.0	1.0	0.0	0.0	0.0	26.4
6	14.2	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
7	31.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	1.0	0.0	0.0	0.0	32.0
8	30.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	-999.9	0.0	0.0	0.0	44.0
9	1.5	0.0	-999.9	0.0	0.0	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	1.5
10	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	27.7	-999.9	0.0	0.0	0.3	28.0
11	3.3	0.0	-999.9	0.8	0.0	0.0	-999.9	4.3	0.0	0.0	0.0	1.0	9.4
12	3.8	0.0	0.0	1.3	0.0	1.8	0.0	8.1	0.0	0.0	0.0	0.0	15.0
13	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	3.6
14	0.0	0.0	0.0	-999.9	27.4	-999.9	3.6	0.0	0.0	0.0	0.0	0.0	31.0
15	6.6	0.0	0.0	1.0	0.0	0.0	50.8	0.0	0.5	0.0	0.0	0.0	58.9
16	0.0	-999.9	-999.9	22.9	0.0	-999.9	8.1	1.0	0.0	0.0	0.0	0.0	32.0
17	0.0	2.5	0.0	0.0	0.0	16.8	-999.9	3.3	2.8	0.0	0.0	0.0	25.4
18	0.0	9.1	1.5	0.0	0.0	0.0	0.0	-999.9	21.1	0.0	0.0	0.0	31.7
19	0.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	19.3
20	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	-999.9	0.0	0.0	0.0	0.3
21	23.9	0.0	0.0	-999.9	11.4	0.0	0.0	24.9	0.0	0.0	0.0	-999.9	60.2
22	29.0	2.0	0.0	0.0	2.3	0.0	0.0	6.9	0.0	0.0	0.0	-999.9	40.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	2.8	0.0	0.0	-999.9	18.5
24	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0
25	0.0	0.0	0.3	-999.9	0.0	5.8	62.0	0.0	0.0	0.0	0.0	0.0	68.1
26	0.0	0.0	0.0	-999.9	0.0	-999.9	1.0	0.0	0.0	0.0	0.0	0.0	1.0
27	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
28	0.0	0.0	0.0	3.6	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	3.6
29	0.0	-999.9	0.0	0.0	0.0	0.0	71.6	0.0	0.0	0.0	0.0	0.0	71.6
30	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.8
31	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
Max	31.0	9.1	16.8	22.9	27.4	16.8	71.6	27.7	21.1	0.0	1.8	5.1	251.3
Total	143.3	13.6	20.9	44.1	45.7	24.7	263.7	91.9	47.0	0.0	1.8	12.5	709.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1965 (22/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	84.8	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	89.1
2	0.0	0.5	0.0	0.0	0.0	-999.9	2.0	0.0	0.0	-999.9	0.0	0.0	2.5
3	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	3.1
4	0.0	25.9	0.0	0.3	0.0	0.0	17.8	-999.9	0.0	0.0	0.0	0.0	44.0
5	0.0	0.0	0.0	0.0	0.0	0.0	3.6	-999.9	0.0	0.0	15.5	0.0	19.1
6	0.0	0.0	0.0	11.9	1.0	20.6	0.0	3.0	0.0	0.0	3.8	0.0	40.3
7	0.0	0.0	-999.9	10.2	31.0	-999.9	0.0	8.9	0.0	0.3	0.0	0.0	50.4
8	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	27.7	0.0	6.6	-999.9	1.5	0.0	0.0	0.0	0.0	0.0	35.8
10	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	6.9	0.0	0.0	0.0	0.0	6.9
11	0.0	3.8	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
12	0.0	11.4	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2
13	0.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	16.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	5.1	0.0	15.8
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0
16	0.0	9.7	-999.9	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	13.3
17	0.0	18.8	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	18.8
18	0.0	10.7	-999.9	2.0	0.0	0.0	6.9	0.8	0.0	-999.9	0.0	0.0	20.4
19	8.1	11.2	30.5	30.2	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	80.0
20	0.0	0.0	13.5	9.7	0.0	0.0	18.0	0.0	-999.9	0.0	0.0	0.0	41.2
21	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	3.3	0.0	0.0	0.0	11.4
22	0.0	0.0	-999.9	0.0	29.0	0.0	0.0	16.0	7.9	0.0	0.0	0.0	52.9
23	0.0	0.0	2.0	3.8	33.0	0.0	0.0	11.4	0.0	0.0	0.0	-999.9	50.2
24	0.0	0.0	0.0	22.1	6.6	-999.9	-999.9	37.3	0.0	0.0	0.0	10.7	76.7
25	0.0	-999.9	0.5	17.5	0.0	0.0	16.5	-999.9	-999.9	0.0	1.0	0.0	35.5
26	0.0	-999.9	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	-999.9	0.0	6.4
27	0.0	0.0	-999.9	0.0	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	29.0
28	0.0	0.0	0.0	0.0	0.0	0.0	27.9	28.2	0.0	0.0	0.0	0.0	56.1
29	-999.9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	-999.9	3.0	0.0	0.0	0.0	0.0	0.0	3.0
31	0.0		16.8		0.0		0.0	0.0		0.0		0.0	16.8
Max	8.1	25.9	30.5	84.8	33.0	20.6	29.0	37.3	7.9	10.7	15.5	10.7	314.0
Total	8.1	92.8	91.0	210.0	115.3	20.6	136.2	119.1	11.2	11.0	25.7	10.7	851.7

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1966 (23/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	-999.9	0.0	0.0	37.3	49.3	16.5	0.0	0.0	0.0	103.1
2	0.0	0.0	0.0	0.0	0.0	0.0	9.7	1.8	0.0	0.0	0.0	0.0	11.5
3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	11.7	0.0	0.0	0.0	12.7
4	0.0	0.0	3.3	0.0	0.0	0.0	13.0	0.0	8.9	0.0	0.0	0.0	25.2
5	0.0	0.0	14.0	-999.9	0.0	0.0	4.1	0.0	-999.9	-999.9	0.0	0.0	18.1
6	0.0	-999.9	-999.9	0.0	0.0	0.0	16.5	15.0	-999.9	0.0	0.0	0.0	31.5
7	0.0	-999.9	0.5	24.4	-999.9	0.0	0.0	14.5	0.0	0.0	0.0	0.0	39.4
8	0.0	1.0	1.5	-999.9	0.8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	3.3
9	0.0	-999.9	7.4	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2
10	0.0	-999.9	31.8	0.0	0.3	0.0	0.0	0.0	8.9	3.8	0.0	0.0	44.8
11	0.0	0.5	0.0	0.0	29.7	0.0	0.0	60.2	0.0	-999.9	0.0	0.0	90.4
12	0.0	18.5	-999.9	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	18.5
13	0.0	55.9	6.4	-999.9	-999.9	0.0	3.3	0.0	0.0	0.0	0.0	0.0	65.6
14	0.0	39.9	2.5	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.5
15	0.0	4.8	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
16	0.0	0.0	-999.9	1.5	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	24.1
17	0.0	0.0	8.6	5.6	0.0	0.0	-999.9	0.0	12.4	0.0	0.0	0.0	26.6
18	0.0	0.0	4.3	0.0	0.0	0.0	-999.9	0.0	5.3	0.0	0.0	0.0	9.6
19	0.0	0.0	-999.9	0.0	0.0	9.1	-999.9	0.0	20.3	5.8	0.0	0.0	35.2
20	0.0	-999.9	0.0	0.0	0.0	3.3	0.0	0.8	0.0	11.4	0.0	0.0	15.5
21	0.0	28.7	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	28.7
22	0.0	4.3	0.0	-999.9	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	0.0	4.3
23	0.0	0.0	0.0	0.0	0.0	29.2	0.0	0.0	3.6	0.0	0.0	0.0	32.8
24	0.0	0.0	0.0	0.0	0.0	12.4	-999.9	7.6	-999.9	0.0	0.0	0.0	20.0
25	0.0	-999.9	0.0	-999.9	0.0	47.8	1.5	1.5	0.0	0.0	0.0	8.9	59.7
26	0.0	11.7	0.0	-999.9	0.0	-999.9	73.9	0.0	0.0	18.0	0.0	4.6	108.2
27	0.0	-999.9	0.0	8.1	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	10.9
28	0.0	0.0	0.0	4.8	-999.9	0.0	0.0	14.5	0.0	0.0	0.0	0.0	19.3
29	0.0	0.0	0.0	7.1	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	7.1
30	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8
31	0.0	0.0	0.0	0.0	6.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.5	7.4
Max	0.0	55.9	31.8	24.4	29.7	47.8	73.9	60.2	20.3	18.0	0.0	8.9	370.9
Total	0.0	165.3	80.3	52.8	61.1	101.8	163.1	187.8	87.6	39.0	0.0	14.0	952.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1967 24/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	-999.9	14.2	3.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	19.8
2	0.0	0.0	0.0	1.0	0.0	0.0	44.2	-999.9	0.0	0.0	0.0	0.0	45.2
3	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.5	0.0	26.9	27.4
4	0.0	-999.9	0.0	0.0	-999.9	-999.9	0.0	12.7	3.6	0.3	0.0	-999.9	16.6
5	0.0	0.0	0.0	0.5	0.0	-999.9	0.0	21.6	0.0	0.0	0.0	0.0	22.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.9	0.0	-999.9	0.0	0.0	101.9
7	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
8	-999.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	5.6
9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-999.9	-999.9	-999.9	0.0	0.5
10	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	4.1	0.0	-999.9	0.0	0.0	4.1
11	0.0	0.0	0.5	0.0	0.0	0.0	16.3	0.0	0.0	0.5	0.0	1.3	18.6
12	0.0	0.0	1.8	-999.9	0.0	0.0	0.0	-999.9	24.1	3.8	0.0	0.0	29.7
13	0.0	0.0	7.1	0.0	0.0	0.0	26.2	12.7	0.0	0.0	0.0	0.0	46.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.5	25.4	-999.9	0.0	0.0	0.0	25.9
15	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	57.4	0.0	0.0	-999.9	0.0	57.4
16	0.0	-999.9	43.2	0.0	0.0	7.6	13.0	55.1	11.7	-999.9	-999.9	0.0	130.6
17	0.0	10.7	-999.9	1.3	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	13.5
18	0.0	3.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	-999.9	0.0	0.0	5.0
19	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	14.5
20	0.0	16.0	0.0	0.0	0.0	0.0	0.5	0.8	0.0	0.0	0.0	0.0	17.3
21	0.0	17.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	21.1
22	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0
23	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	7.6	7.6
24	0.0	0.0	0.0	0.0	-999.9	0.0	6.1	33.5	0.0	9.9	0.0	27.2	76.7
25	0.0	0.0	43.9	0.0	19.3	0.0	17.8	5.1	0.0	1.5	0.0	4.1	91.7
26	0.0	0.0	38.4	0.0	-999.9	0.0	0.0	7.6	17.3	3.3	0.0	6.6	73.2
27	0.0	0.0	0.0	0.5	0.0	0.0	90.4	0.0	-999.9	0.0	-999.9	33.0	123.9
28	0.0	-999.9	0.0	5.6	0.0	1.5	4.8	0.0	0.0	0.0	3.6	42.7	58.2
29	0.0	0.0	0.0	15.2	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	21.8
30	0.0	0.0	0.0	0.0	0.0	1.3	35.1	0.0	0.0	0.0	0.0	0.0	36.4
31	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
Max	0.0	17.0	43.9	15.2	19.3	7.6	90.4	101.9	24.1	9.9	3.6	42.7	375.6
Total	0.0	66.5	134.9	38.3	23.1	18.5	261.7	342.5	57.0	19.8	3.6	149.4	1115.3

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1968 25/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	2.5	0.0	2.5
2	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	68.6	0.0	0.0	31.0	0.0	99.6
3	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4
4	0.0	0.0	0.0	0.0	2.5	1.3	0.0	0.3	0.0	-999.9	0.0	0.0	4.1
5	0.0	0.0	0.0	0.0	6.1	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	6.1
6	0.0	9.7	0.0	-999.9	0.0	0.0	0.5	0.0	0.0	6.4	0.0	0.0	16.6
7	-999.9	0.0	0.0	1.8	-999.9	0.0	0.0	-999.9	0.0	30.5	0.0	-999.9	32.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	0.0	-999.9	0.0	0.0	59.2
9	0.0	0.0	0.0	0.0	5.1	0.0	42.7	37.8	-999.9	0.0	0.0	0.0	85.6
10	-999.9	0.0	0.0	19.8	0.0	0.0	-999.9	16.0	0.0	-999.9	0.0	-999.9	35.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	6.1	18.0	34.3
12	-999.9	0.0	0.0	-999.9	0.0	6.9	87.4	0.5	0.0	0.0	6.1	24.9	125.8
13	-999.9	0.0	-999.9	-999.9	0.0	0.0	6.1	0.8	0.0	0.0	-999.9	0.0	6.9
14	0.0	0.8	0.0	15.0	-999.9	0.0	14.0	6.6	0.0	-999.9	0.0	0.0	36.4
15	0.0	0.0	0.0	-999.9	-999.9	0.0	1.5	27.9	0.0	0.0	0.0	0.0	29.4
16	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	0.0	0.0	0.0	0.0	5.4
17	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	20.8	0.0	0.0	0.0	20.8
18	0.0	0.0	5.3	0.0	0.0	0.0	2.8	26.2	0.0	0.0	0.0	0.0	34.3
19	13.0	4.3	55.1	0.0	0.0	2.8	0.0	29.5	-999.9	0.0	0.0	0.0	104.7
20	18.0	21.8	2.0	0.0	0.0	0.0	-999.9	3.3	0.0	0.0	0.0	0.0	45.1
21	0.0	22.9	2.0	0.0	15.7	0.0	16.5	12.7	0.0	0.0	0.0	0.0	69.8
22	0.0	0.0	0.0	0.0	1.3	0.0	7.6	79.5	0.0	0.0	0.0	0.0	88.4
23	0.0	0.0	0.0	-999.9	19.1	0.0	24.4	-999.9	0.0	0.0	0.0	0.0	43.5
24	0.0	0.0	0.0	0.0	-999.9	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3
25	1.5	0.0	-999.9	0.0	-999.9	0.0	-999.9	82.3	0.0	0.0	0.0	-999.9	83.8
26	0.0	-999.9	-999.9	0.0	-999.9	3.3	0.0	0.0	0.0	0.0	0.0	1.5	4.8
27	6.6	22.1	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7
28	11.4	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	16.7
29	14.2	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	18.0
30	1.0	0.0	0.0	-999.9	-999.9	0.0	26.2	0.0	0.0	-999.9	0.0	0.0	27.2
31	3.6	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	16.6
Max	18.0	22.9	55.1	19.8	19.1	6.9	87.4	82.3	20.8	30.5	31.0	24.9	418.7
Total	69.3	81.6	64.4	36.6	49.8	14.3	249.6	477.7	20.8	36.9	45.7	44.4	1191.1

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1969 (26/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	999	19.3	0.0	0.0	0.0	1.0	6.9	0.0	0.0	0.0	0.0	0.0	27.2
2	999	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	1.3	0.0	0.0	4.9
3	999	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	999	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	10.4	0.0	0.0	0.0	10.4
5	999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	999	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	14.2
8	999	0.0	0.0	0.0	0.0	0.0	-999.9	15.0	-999.9	0.0	0.0	0.0	15.0
9	999	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	4.3	0.0	0.0	0.0	4.3
10	999	0.0	0.0	1.8	6.9	0.0	7.4	0.0	0.0	0.0	0.0	0.0	16.1
11	999	0.0	0.0	-999.9	0.0	0.0	5.1	18.3	0.0	0.0	0.0	0.0	23.4
12	999	-999.9	0.0	2.0	0.0	0.0	2.0	82.3	0.0	8.6	6.4	0.0	101.3
13	999	9.9	0.0	-999.9	17.5	0.0	0.0	40.1	0.0	0.0	0.0	0.0	67.5
14	999	13.7	0.0	0.0	17.5	-999.9	0.0	-999.9	0.0	11.4	0.0	0.0	42.6
15	999	0.5	0.0	2.8	14.0	0.0	10.9	11.7	20.3	4.8	0.0	0.0	65.0
16	999	-999.9	0.0	-999.9	0.0	0.0	-999.9	1.0	-999.9	1.0	0.0	0.0	2.0
17	999	12.4	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4
18	999	0.0	9.7	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	9.7
19	999	0.0	3.0	0.0	-999.9	0.8	0.0	53.3	0.0	0.0	-999.9	0.0	57.1
20	999	0.0	0.0	14.7	0.0	0.0	-999.9	1.3	0.0	0.0	0.0	0.0	16.0
21	999	0.0	-999.9	0.8	0.0	0.0	21.3	7.6	0.0	0.0	0.0	0.0	29.7
22	999	0.0	19.6	0.0	0.0	0.0	12.2	-999.9	0.0	0.0	0.0	0.0	31.8
23	999	0.0	0.0	0.0	0.0	12.4	-999.9	0.0	0.0	0.0	0.0	0.0	12.4
24	999	-999.9	3.8	0.0	0.0	-999.9	14.2	0.0	0.0	0.0	0.0	0.0	18.0
25	999	1.0	18.3	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	21.3
26	999	-999.9	0.0	0.0	0.0	0.0	0.0	5.8	-999.9	0.0	0.0	0.0	5.8
27	999	5.8	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	5.8
28	999	0.0	0.0	-999.9	0.0	-999.9	-999.9	0.0	0.0	55.9	0.0	0.0	55.9
29	999	0.0	0.0	12.4	0.0	0.8	0.0	0.0	0.0	12.7	0.0	0.0	25.9
30	999	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
31	999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	0.0	19.3	19.6	14.7	17.5	12.4	21.3	82.3	20.3	55.9	6.4	0.0	269.7
Total	0.0	62.6	54.4	35.3	55.9	15.0	84.6	236.4	50.2	95.7	6.4	0.0	696.5

Note: -999.9 means that it rained too little to measure. 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1970 (27/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	31.0	0.0	0.0	-999.9	-999.9	0.0	0.0	62.4	20.3	0.0	0.0	0.0	113.7
2	0.0	0.0	-999.9	22.9	0.0	0.0	0.0	3.8	35.1	0.0	0.0	0.0	61.8
3	0.0	0.0	3.8	1.8	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	5.6
4	0.0	0.0	34.3	-999.9	0.0	0.0	0.0	3.8	2.8	0.0	0.0	0.0	40.9
5	0.0	0.0	9.1	0.0	-999.9	0.0	0.0	2.6	0.0	0.0	0.0	0.0	11.7
6	0.0	0.3	0.0	6.3	-999.9	0.0	10.7	1.0	38.6	0.0	0.0	0.0	56.9
7	0.0	1.0	0.0	-999.9	0.0	0.0	0.0	7.4	13.0	0.0	0.0	0.0	21.4
8	-999.9	0.0	-999.9	-999.9	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
9	0.0	3.3	5.1	18.1	0.0	0.0	0.0	60.1	-999.9	0.0	0.0	0.0	86.6
10	0.0	28.5	0.0	5.1	1.3	3.3	0.0	7.1	-999.9	0.0	0.0	0.0	45.3
11	0.0	51.1	0.0	0.0	-999.9	37.3	0.0	0.0	0.0	0.0	0.0	0.0	88.4
12	0.5	1.3	2.8	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	4.6
13	0.0	0.0	-999.9	10.3	-999.9	0.0	69.1	0.0	0.0	0.0	-999.9	-999.9	79.4
14	0.0	0.5	0.0	29.8	0.0	0.0	23.2	0.0	0.0	0.0	0.0	0.0	53.5
15	0.0	12.9	0.0	22.3	0.0	-999.9	0.0	0.0	35.3	1.0	0.0	0.0	71.5
16	0.0	0.0	0.0	-999.9	0.0	5.3	0.0	0.0	8.1	2.3	0.0	0.0	15.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	20.1
18	0.0	0.0	6.0	0.0	0.0	0.0	38.4	0.0	0.0	0.0	0.0	0.0	44.4
19	0.0	0.0	8.2	0.0	0.0	31.5	0.0	54.9	0.0	0.0	0.0	0.0	94.6
20	0.0	0.0	0.0	0.0	-999.9	11.2	26.2	4.6	0.0	0.0	0.0	0.0	42.0
21	0.0	0.0	0.0	0.0	12.7	-999.9	17.7	33.5	0.0	0.0	0.0	0.8	64.7
22	0.0	0.0	3.8	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	16.3	20.1
23	0.0	0.0	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6
24	0.0	0.5	13.2	0.0	2.8	0.0	0.0	7.1	0.0	0.0	0.0	0.0	23.6
25	-999.9	5.3	0.0	0.0	-999.9	-999.9	18.0	0.0	0.0	0.0	0.0	-999.9	23.3
26	4.8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	29.2	0.0	0.0	-999.9	34.0
27	1.8	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.8
28	2.1	2.1	0.0	-999.9	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	4.2
29	-999.9		0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	48.5	14.9	-999.9	0.0	3.8	0.0	67.2
31	0.0	0.0	0.0		0.0		-999.9	1.0		0.0		0.0	1.0
Max	31.0	51.1	34.3	29.8	12.7	37.3	69.1	62.4	38.6	2.3	3.8	16.3	388.7
Total	40.2	106.8	103.9	116.6	16.8	88.6	251.8	264.2	205.5	3.3	3.8	17.1	1218.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1971 (28/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	27.7	22.1	2.0	16.0	0.0	4.1	0.0	71.9
2	0.0	0.0	0.0	0.0	0.0	0.0	46.7	6.9	0.0	0.0	8.1	0.0	61.7
3	0.0	0.0	5.6	0.0	0.0	0.0	-999.9	-999.9	6.1	0.0	0.0	0.0	11.7
4	0.0	0.0	5.6	0.0	0.0	0.0	4.3	0.0	6.4	0.0	0.0	0.0	16.3
5	0.0	0.0	-999.9	1.0	0.0	0.0	0.0	1.8	7.9	0.0	0.0	0.0	10.7
6	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	22.1	0.0	0.0	0.0	0.0	22.1
7	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	13.7	0.0	25.7	0.0	0.0	0.0	0.0	39.4
9	0.0	0.0	-999.9	0.0	0.0	14.2	0.0	61.2	15.7	0.0	0.0	0.0	91.1
10	0.0	8.9	0.0	-999.9	15.0	6.1	0.0	71.1	9.7	0.0	0.0	0.0	110.8
11	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	14.0	0.0	0.0	0.0	21.4
12	0.0	0.0	0.0	0.0	4.3	2.8	0.0	21.6	0.0	0.0	0.0	0.0	28.7
13	0.0	0.0	0.0	5.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
14	0.0	0.0	0.0	1.8	0.0	0.0	0.8	10.7	0.0	0.0	0.0	0.0	13.3
15	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.5	0.0	-999.9	0.0	0.0	2.0
16	0.0	0.0	0.0	-999.9	2.8	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	2.8
17	0.0	0.0	0.0	0.0	0.0	0.0	32.5	-999.9	0.0	0.0	-999.9	0.0	32.5
18	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	-999.9	0.0	-999.9	0.0	0.0	0.8	-999.9	0.0	0.0	0.0	0.0	0.8
20	0.0	0.0	0.0	0.0	3.8	0.0	5.1	0.0	0.0	1.3	0.0	0.0	10.2
21	0.0	0.0	0.0	49.3	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	55.9
22	8.1	-999.9	-999.9	1.8	0.0	5.3	1.8	-999.9	0.0	0.0	0.0	4.6	21.6
23	8.9	0.0	0.0	0.0	0.0	99.6	0.0	11.7	0.0	0.0	0.0	3.6	123.8
24	0.0	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	12.2
25	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
26	4.1	4.1	0.0	0.0	0.0	32.3	0.0	20.8	0.0	0.0	0.0	0.0	61.3
27	-999.9	32.8	0.0	0.0	0.0	1.5	-999.9	125.7	0.0	0.0	0.0	0.0	160.0
28	0.5	8.1	0.0	18.8	0.0	1.5	2.3	1.5	0.0	0.0	0.0	0.0	32.7
29	0.0	0.0	0.0	1.0	0.0	0.5	22.9	0.0	0.0	0.0	0.0	0.0	24.4
30	0.0	0.0	0.0	0.0	0.0	0.0	28.7	-999.9	0.0	0.0	0.0	0.0	28.7
31	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.5	0.0	0.0	0.0	0.0	2.5
Max	8.9	32.8	5.6	49.3	15.0	99.6	46.7	125.7	16.0	1.3	8.1	4.6	413.6
Total	21.6	56.7	11.2	79.0	26.9	226.3	170.0	390.4	75.8	1.3	12.2	8.2	1079.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1972 (29/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2
2	0.0	0.5	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
3	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	4.1
4	0.0	0.0	7.9	-999.9	0.0	-999.9	2.5	0.0	0.0	0.5	0.0	0.0	10.9
5	0.0	0.0	27.4	16.8	-999.9	15.2	4.3	0.0	0.0	3.0	0.0	0.0	66.7
6	0.0	0.0	0.0	0.0	-999.9	1.5	7.6	0.0	0.0	4.6	0.0	0.0	13.7
7	0.0	0.0	0.0	0.0	3.8	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	3.8
8	0.0	0.0	17.0	1.8	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	25.7
9	0.0	0.0	17.3	12.7	0.0	0.0	1.8	6.9	25.4	0.0	0.0	1.5	65.6
10	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	50.8	50.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4	0.0	0.0	0.0	25.4
12	0.0	27.4	1.5	0.0	0.0	0.0	0.0	-999.9	1.0	0.0	0.0	0.0	29.9
13	0.0	1.0	9.1	0.0	0.0	0.0	-999.9	25.1	0.0	0.0	0.0	0.0	35.2
14	0.5	8.1	0.0	0.0	-999.9	0.0	0.0	3.8	0.0	0.0	0.0	0.0	12.4
15	0.0	0.0	0.0	0.0	5.1	0.0	0.0	1.8	0.0	0.0	0.0	0.0	6.9
16	0.0	0.0	-999.9	12.4	0.0	0.0	0.0	0.0	48.3	0.0	0.0	0.0	60.7
17	0.0	0.0	0.0	4.8	0.0	0.0	0.0	5.8	-999.9	0.0	0.0	-999.9	10.6
18	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.8	0.0	53.3	0.0	0.0	58.7
19	0.0	0.0	4.3	5.8	0.0	0.0	-999.9	-999.9	13.7	4.6	0.0	-999.9	28.4
20	-999.9	0.0	3.0	5.8	0.0	0.0	0.0	-999.9	0.0	4.1	0.0	0.0	12.9
21	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	5.6
22	39.1	0.0	0.0	0.0	0.0	24.4	0.0	0.0	0.0	0.0	-999.9	0.0	63.5
23	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	8.6	0.0	8.6
24	0.0	1.0	0.0	0.0	6.1	0.0	0.0	1.0	0.0	0.0	5.3	2.8	16.2
25	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	6.4	0.0	0.0	2.8	5.6	14.8
26	0.0	0.0	-999.9	0.0	0.0	10.7	20.8	0.0	0.0	0.0	2.0	-999.9	33.5
27	0.0	0.0	17.8	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	12.7	30.5
28	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
29	-999.9	0.0	1.3	-999.9	0.0	0.0	0.0	2.0	0.0	0.0	0.0	-999.9	3.3
30	7.9	0.0	1.5	-999.9	0.0	0.0	0.0	20.1	-999.9	0.0	0.0	0.0	29.5
31	23.6	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	23.6
Max	39.1	27.4	27.4	16.8	6.1	24.4	20.8	25.1	48.3	53.3	8.6	50.8	348.1
Total	72.6	48.2	108.1	67.7	19.1	51.8	40.6	81.6	113.8	74.2	18.7	73.4	769.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1973 (30/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	25.4	2.8	0.0	0.0	30.2
2	0.0	0.0	-999.9	0.0	0.0	0.0	15.2	0.0	0.0	1.3	0.0	0.0	16.5
3	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	1.8	0.0	0.0	0.0	6.4
4	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	65.5	3.8	0.0	0.0	-999.9	69.3
5	0.5	0.0	0.0	0.0	0.0	0.0	44.2	14.5	0.0	0.0	0.0	0.0	59.2
6	2.0	0.0	0.0	-999.9	0.0	0.0	1.5	44.7	0.0	0.0	0.0	0.0	48.2
7	0.0	0.0	0.0	1.0	0.0	0.0	0.0	19.8	2.0	0.0	0.0	0.0	22.8
8	0.0	1.8	26.4	0.0	0.0	0.0	0.0	13.0	12.7	0.0	0.0	0.0	53.9
9	0.0	0.0	19.3	0.0	0.0	0.0	2.5	32.5	0.0	0.0	0.0	0.0	54.3
10	0.0	0.0	22.6	-999.9	0.0	19.8	0.0	0.0	0.0	0.0	3.6	0.0	46.0
11	0.0	0.0	-999.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.8
12	-999.9	0.0	0.5	0.0	0.0	29.7	0.0	0.0	16.5	0.0	0.0	0.0	46.7
13	-999.9	0.0	0.0	2.0	-999.9	0.0	0.0	37.3	0.5	0.0	0.0	0.0	39.8
14	0.0	0.0	0.0	13.5	0.0	0.0	82.0	56.4	0.0	0.0	0.0	0.0	151.9
15	0.0	0.0	0.0	0.5	-999.9	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.5
16	0.0	0.0	0.0	-999.9	-999.9	0.0	-999.9	3.8	0.0	10.2	0.0	5.3	19.3
17	3.6	0.0	0.0	0.0	38.6	0.0	0.0	-999.9	0.0	-999.9	0.0	13.2	55.4
18	1.3	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
19	6.4	0.0	0.0	0.0	-999.9	0.0	0.0	20.1	0.0	0.0	0.0	0.0	26.5
20	48.5	0.0	0.0	0.0	0.0	4.3	57.4	0.0	0.0	0.0	0.0	0.0	110.2
21	0.0	0.0	-999.9	0.0	-999.9	12.2	0.0	0.0	1.3	0.0	0.0	0.0	13.5
22	0.0	0.0	0.0	0.0	0.0	0.0	27.7	0.0	0.0	0.0	0.0	0.0	27.7
23	0.0	-999.9	0.0	0.0	0.0	3.8	0.0	8.9	0.0	0.0	0.0	0.0	12.7
24	0.0	22.4	0.0	0.0	-999.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	24.9
25	0.0	13.5	0.0	-999.9	0.0	-999.9	7.1	0.0	24.4	0.0	0.0	0.0	45.0
26	0.0	39.9	0.0	2.5	0.0	26.7	105.9	0.0	0.0	0.0	0.0	0.0	175.0
27	-999.9	2.8	0.0	0.0	0.0	12.2	21.8	63.5	0.0	0.0	0.0	0.0	100.3
28	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.8	0.0	0.8	0.0	0.0	0.0	5.1	0.0	0.0	0.0	6.7
31	0.5	0.0	6.1	0.0	0.0	0.0	-999.9	23.4	0.0	0.0	0.0	0.0	30.0
Max	48.5	39.9	26.4	13.5	38.6	29.7	105.9	65.5	25.4	10.2	3.6	13.2	420.4
Total	62.8	80.4	75.7	24.5	52.1	111.2	369.9	403.4	93.5	14.3	3.6	19.3	1310.7

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1974 (31/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	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
2	0.0	3.8	0.0	-999.9	0.0	0.0	0.0	12.7	9.3	0.0	0.0	-999.9	25.8
3	0.0	10.9	0.0	10.1	0.8	0.0	0.0	79.5	0.0	0.0	0.0	12.4	113.7
4	0.0	0.0	0.0	-999.9	0.0	0.0	21.3	24.9	0.0	0.0	0.0	5.8	52.0
5	0.0	4.6	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	8.4
6	0.0	0.0	0.0	0.0	0.0	23.1	0.0	-999.9	0.0	0.0	0.0	0.0	23.1
7	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	13.7	0.0	0.0	-999.9	13.7
9	0.0	0.0	0.0	5.8	0.0	6.1	17.0	0.0	0.0	0.0	0.0	0.0	28.9
10	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
11	0.0	0.0	0.0	0.0	0.0	29.3	7.1	0.0	0.0	0.0	0.0	0.0	36.4
12	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	35.6	0.0	0.0	0.0	0.0	35.6
14	5.6	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
15	0.0	0.0	0.0	0.0	0.0	0.0	133.9	0.0	0.0	0.0	0.0	2.0	135.9
16	0.0	0.0	-999.9	0.0	0.0	0.0	26.7	0.0	0.0	0.0	0.0	11.2	37.9
17	0.0	6.3	-999.9	0.0	20.8	0.0	40.1	0.0	5.6	0.0	0.0	-999.9	72.8
18	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	-999.9	0.0	2.5	0.0	0.0	0.0	0.0	0.0	2.5
20	14.7	0.0	0.0	0.0	0.0	0.0	21.8	45.8	0.0	-999.9	0.0	0.0	82.3
21	8.9	-999.9	0.0	0.0	0.0	16.3	0.0	-999.9	0.0	0.0	0.0	0.0	25.2
22	0.0	5.1	0.0	0.0	3.6	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	8.7
23	0.0	23.1	0.0	0.0	0.0	25.0	82.3	0.0	0.0	0.0	0.0	0.0	130.4
24	0.0	0.0	26.0	0.0	-999.9	0.0	121.4	0.0	0.0	0.0	0.0	0.0	147.4
25	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
26	3.6	-999.9	0.0	0.0	1.8	0.0	0.0	0.0	4.6	0.0	0.0	-999.9	10.0
27	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	1.3	1.3
28	0.0	-999.9	3.0	-999.9	0.0	0.0	0.0	-999.9	6.3	0.0	0.0	-999.9	9.3
29	0.0	0.0	6.8	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	6.8
30	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	16.3	0.0	0.0	0.0	16.3
31	0.0	0.0	-999.9	0.0	0.0	0.0	3.8	7.8	0.0	0.0	0.0	0.0	11.6
Max	14.7	23.1	26.0	10.1	20.8	29.3	133.9	79.5	16.3	0.0	0.0	12.4	366.1
Total	32.8	53.8	35.8	15.9	27.0	99.8	477.9	210.1	56.8	0.0	0.0	32.7	1042.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1975 (32/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	5.0	5.0
3	0.0	0.0	-999.9	0.0	-999.9	-999.9	4.1	16.5	-999.9	0.0	0.0	0.0	20.6
4	0.0	0.0	3.6	0.0	7.3	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	10.9
5	0.0	-999.9	2.3	0.0	2.5	0.0	67.3	0.8	58.4	0.0	0.0	-999.9	131.3
6	-999.9	3.0	-999.9	0.0	-999.9	0.0	0.0	14.2	5.6	0.0	0.0	-999.9	22.8
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	30.0
8	-999.9	16.0	0.0	0.0	0.0	-999.9	4.0	0.0	0.0	0.0	-999.9	0.0	20.0
9	-999.9	3.0	0.0	-999.9	0.0	0.0	0.0	0.0	39.1	0.0	0.0	0.0	42.1
10	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6
11	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2
12	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
13	0.0	13.9	0.0	-999.9	0.0	0.0	-999.9	1.0	0.0	0.0	0.0	0.0	14.9
14	0.0	6.6	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	13.3
15	-999.9	0.0	0.0	0.0	0.0	0.0	5.3	-999.9	0.5	0.0	0.0	0.0	5.8
16	-999.9	0.0	0.0	0.0	8.8	0.0	8.6	19.5	-999.9	0.0	0.0	0.0	36.9
17	0.0	0.0	0.0	0.0	14.5	0.0	0.0	2.0	1.5	0.0	0.0	0.0	18.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3
19	0.0	0.0	0.0	0.0	0.0	0.0	61.7	27.6	1.5	0.0	0.0	0.0	90.8
20	0.0	0.0	0.0	0.0	0.0	8.8	0.0	46.2	17.0	0.0	0.0	0.0	72.0
21	0.0	0.0	-999.9	-999.9	0.0	2.5	32.0	59.4	0.0	0.0	0.0	0.0	93.9
22	0.0	0.0	19.3	-999.9	0.0	-999.9	1.8	37.1	0.0	0.0	0.0	0.0	58.2
23	0.0	0.0	14.2	0.0	0.0	0.0	0.0	116.8	0.0	0.0	0.0	0.0	131.0
24	-999.9	0.0	13.2	-999.9	0.0	-999.9	17.0	0.0	0.0	0.0	0.0	0.0	30.2
25	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
26	0.0	0.0	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8
27	0.0	0.0	0.0	2.3	0.0	0.0	7.1	-999.9	0.0	0.0	0.0	0.0	9.4
28	0.0	10.7	0.0	0.0	0.0	0.0	-999.9	15.7	0.0	0.0	0.0	0.0	26.4
29	1.8	0.0	0.0	0.0	0.0	3.1	20.1	7.9	0.0	0.0	0.0	0.0	32.9
30	10.4	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	15.7
31	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
Max	27.0	16.0	19.3	36.8	14.5	8.8	67.3	116.8	58.4	0.0	0.0	5.0	369.9
Total	39.2	59.0	63.6	42.7	33.1	18.0	235.7	391.3	153.6	0.0	0.0	5.8	1042.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1976 (33/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	7.0	0.0	0.0	0.0	0.0	0.0	60.5	0.0	0.8	0.0	1.0	69.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.8	31.7	0.0	0.0	0.0	130.5
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.0	120.0	0.0	0.0	0.0	179.0
4	0.0	0.0	0.0	-999.9	0.0	0.0	7.1	43.4	16.0	0.0	0.0	0.0	66.5
5	0.0	0.0	0.0	22.9	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	22.9
6	0.0	0.0	0.0	13.2	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	18.0
7	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	23.6	0.0	0.0	23.6
8	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.8	-999.9	0.0	0.0	5.8
9	0.0	0.0	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1
10	0.0	0.0	-999.9	11.6	0.0	0.0	13.8	8.8	0.0	0.0	0.0	0.0	34.2
11	0.0	0.0	0.0	1.8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	1.8
12	0.0	-999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
13	15.3	5.1	8.6	0.0	0.0	0.0	0.0	33.3	5.9	0.0	0.0	0.0	68.2
14	47.1	14.5	15.7	0.0	0.0	0.0	7.1	-999.9	-999.9	0.0	0.0	0.0	84.4
15	1.3	61.2	5.3	0.0	0.0	4.0	-999.9	-999.9	11.4	1.3	0.0	0.0	84.5
16	0.0	4.5	14.3	0.0	0.0	6.9	32.3	13.4	0.0	0.0	0.0	0.0	71.4
17	0.0	0.0	42.7	2.8	-999.9	-999.9	0.0	4.6	0.0	0.0	0.0	0.0	50.1
18	0.0	17.5	0.0	0.0	0.0	-999.9	1.3	-999.9	0.0	0.0	0.0	0.0	18.8
19	0.0	22.9	0.0	0.0	0.0	4.4	10.7	16.0	0.0	0.0	0.0	0.0	54.0
20	0.0	12.9	2.8	0.0	-999.9	-999.9	3.8	56.9	0.0	0.0	0.0	0.0	76.4
21	0.0	0.0	0.0	0.0	0.0	16.0	86.0	-999.9	0.0	0.0	0.0	0.0	102.0
22	0.0	0.0	0.0	0.0	0.0	2.0	4.6	0.0	0.0	0.0	0.0	0.0	6.6
23	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
24	-999.9	0.0	-999.9	11.7	-999.9	0.0	20.1	18.8	0.0	0.0	0.0	0.0	50.6
25	-999.9	43.6	0.0	1.0	-999.9	0.0	22.5	0.8	0.0	14.4	0.0	0.0	82.3
26	8.1	19.2	0.0	0.0	-999.9	0.0	-999.9	0.8	0.0	0.0	0.0	0.0	28.1
27	9.3	-999.9	3.8	0.0	0.0	0.0	51.9	17.8	0.0	0.0	0.0	0.0	82.8
28	34.8	0.0	-999.9	-999.9	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	39.4
29	0.0	0.0	-999.9	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	4.6
30	0.0	0.0	0.0	0.0	0.0	0.0	96.5	4.8	14.7	0.0	0.0	0.0	116.0
31	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	47.1	61.2	42.7	22.9	3.0	16.0	96.5	98.8	120.0	23.6	0.0	1.0	532.8
Total	115.9	208.4	117.3	65.0	3.0	33.3	366.9	442.5	202.5	40.1	0.0	0.0	1595.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1977 (34/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	-999.9	0.0	0.0	0.0	0.0	3.0	0.0	-999.9	0.0	0.0	0.0	3.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5
3	0.0	0.0	0.0	0.0	20.3	0.0	129.1	-999.9	0.0	3.8	20.3	0.0	173.5
4	0.0	0.0	0.0	0.0	0.0	0.0	4.3	23.7	0.0	0.0	0.0	0.0	28.0
5	0.0	-999.9	0.0	5.1	0.0	0.0	-999.9	20.3	0.0	0.0	0.0	0.0	25.4
6	0.0	-999.9	0.0	6.1	0.0	0.0	133.6	-999.9	-999.9	4.6	0.0	0.0	144.3
7	0.0	0.0	0.0	-999.9	0.0	0.0	31.3	0.0	0.0	0.0	0.0	0.0	31.3
8	-999.9	0.0	0.0	0.0	0.0	0.0	26.9	0.0	3.3	0.0	0.0	0.0	30.2
9	-999.9	0.0	0.0	0.0	17.7	1.6	0.8	7.1	2.5	0.0	0.0	0.0	29.7
10	1.3	0.0	0.0	7.8	0.0	0.0	0.0	-999.9	0.0	6.1	0.0	-999.9	15.2
11	8.5	0.0	0.0	0.0	0.0	30.4	0.0	0.0	0.0	0.0	0.0	-999.9	38.9
12	0.0	0.0	0.0	5.0	0.0	20.4	0.0	6.3	-999.9	0.0	0.0	-999.9	31.7
13	0.0	0.0	0.0	0.0	0.4	5.8	3.8	0.0	0.0	0.0	0.0	0.0	10.0
14	0.0	0.0	0.0	-999.9	4.3	18.6	35.5	109.7	0.0	-999.9	0.0	0.0	168.1
15	0.0	0.0	-999.9	-999.9	0.0	1.0	11.4	-999.9	0.0	0.0	0.0	0.0	12.4
16	0.0	0.0	0.0	0.0	0.0	0.0	59.6	61.7	0.0	4.8	0.0	0.0	126.1
17	0.0	0.0	0.0	0.0	0.0	0.0	30.7	0.0	0.0	0.0	0.0	0.0	30.7
18	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	4.8	0.0	0.0	0.0	0.0	4.8
19	0.0	0.0	0.0	3.0	0.0	0.0	-999.9	0.5	0.0	0.0	0.0	2.5	6.0
20	-999.9	0.0	0.0	17.3	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	17.3
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
23	4.8	0.0	0.0	4.0	0.0	0.0	41.9	8.1	0.0	0.0	0.0	0.0	58.8
24	22.6	-999.9	0.0	0.0	0.0	0.0	0.8	6.9	30.2	0.0	0.0	1.0	61.5
25	21.4	0.0	0.0	0.0	0.0	0.0	84.2	1.3	0.0	-999.9	0.0	17.2	124.1
26	12.6	0.0	0.0	0.0	-999.9	6.4	-999.9	0.0	0.0	0.0	0.0	0.0	19.0
27	1.0	15.2	0.0	0.0	0.0	0.8	11.9	0.0	0.0	0.0	0.0	0.0	28.9
28	0.0	-999.9	0.0	6.3	18.3	0.0	0.0	2.5	0.0	0.0	0.0	0.0	27.1
29	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-999.9	0.0	0.0	0.0	0.0	0.5
30	0.0	0.0	0.0	-999.9	0.0	57.4	9.4	0.0	0.0	0.0	0.0	0.0	66.8
31	0.0	0.0	12.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	12.9
Max	22.6	15.2	12.9	17.3	20.3	57.4	133.6	109.7	30.2	6.1	20.3	17.2	462.8
Total	72.2	15.2	12.9	54.6	61.0	142.9	618.2	254.4	36.0	19.3	20.3	20.7	1327.7

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1978 (35/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	6.3	999.9	999.9	46.3
2	0.0	0.0	5.1	5.1	0.0	0.0	0.0	64.8	0.0	0.0	999.9	999.9	75.0
3	0.0	0.0	0.0	4.0	0.0	0.0	7.1	96.2	59.2	51.8	999.9	999.9	218.3
4	0.0	0.0	-999.9	8.4	0.0	0.0	11.2	30.0	-999.9	0.0	999.9	999.9	49.6
5	0.0	-999.9	15.5	0.0	-999.9	0.0	0.0	21.6	0.0	0.0	999.9	999.9	37.1
6	0.0	4.1	6.9	0.0	0.0	0.0	22.9	4.8	0.0	0.0	999.9	999.9	38.7
7	0.0	8.1	0.0	0.0	0.0	0.0	2.5	2.0	0.0	0.0	999.9	999.9	12.6
8	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	999.9	999.9	2.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	0.0
10	0.0	0.0	2.0	0.0	0.0	0.0	5.5	6.1	34.0	0.0	999.9	999.9	47.6
11	0.0	0.0	10.0	0.0	0.0	2.5	2.0	89.4	0.0	0.0	999.9	999.9	103.9
12	0.0	0.0	-999.9	0.0	0.3	0.0	0.0	6.3	0.0	0.0	999.9	999.9	6.6
13	-999.9	-999.9	0.0	0.0	0.0	6.1	1.3	10.2	0.0	0.0	999.9	999.9	17.6
14	15.4	1.3	0.0	0.0	0.0	6.6	0.0	16.8	0.0	0.0	999.9	999.9	40.1
15	0.0	0.0	6.0	0.0	0.0	1.3	0.0	1.0	14.4	0.0	999.9	999.9	22.7
16	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	8.0
17	0.0	-999.9	45.7	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	999.9	999.9	45.7
18	0.0	14.5	-999.9	2.0	0.0	0.0	9.9	0.0	0.0	0.0	999.9	999.9	26.4
19	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	11.0	0.0	0.0	999.9	999.9	11.0
20	0.0	0.0	0.0	0.0	0.0	0.0	2.8	19.4	0.0	0.0	999.9	999.9	22.2
21	0.0	0.0	0.0	-999.9	0.0	0.0	91.6	18.0	0.0	0.0	999.9	999.9	109.6
22	0.0	0.0	1.0	2.5	0.0	0.0	14.6	0.0	0.0	0.0	999.9	999.9	18.1
23	-999.9	0.0	0.0	1.3	0.0	0.0	20.8	0.0	0.0	0.0	999.9	999.9	22.1
24	0.0	0.0	0.0	0.0	0.0	-999.9	16.3	19.9	-999.9	0.0	999.9	999.9	36.2
25	-999.9	0.0	0.0	0.0	10.2	-999.9	-999.9	-999.9	0.0	0.0	999.9	999.9	10.2
26	7.6	0.0	-999.9	0.0	3.8	0.0	5.6	8.9	0.0	0.0	999.9	999.9	25.9
27	-999.9	4.0	-999.9	-999.9	-999.9	0.0	0.0	14.7	0.0	0.0	999.9	999.9	18.7
28	17.2	0.0	-999.9	-999.9	0.0	-999.9	2.5	53.3	64.1	0.0	999.9	999.9	137.1
29	10.2	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	10.9	999.9	999.9	31.3
30	0.0	0.0	0.0	0.0	-999.9	113.1	-999.9	0.0	-999.9	0.0	999.9	999.9	113.1
31	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	999.9	0.0
Max	17.2	14.5	45.7	8.4	10.2	113.1	91.6	96.2	64.1	51.8	0.0	0.0	512.8
Total	50.4	32.0	100.2	23.3	14.3	139.8	258.9	494.4	171.7	69.0	0.0	0.0	1354.0

Note: -999.9 means that it rained too little to measure. 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1979 (36/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3
2	0.0	0.0	4.3	-999.9	0.0	2.0	6.9	14.5	0.0	0.0	0.0	0.0	27.7
3	0.0	0.0	42.4	-999.9	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	53.5
4	0.0	0.0	7.6	9.3	0.0	0.0	-999.9	55.7	0.0	0.0	0.0	0.0	72.6
5	0.0	0.0	6.3	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	6.3
6	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
7	0.0	0.0	43.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.2
8	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	27.1
9	0.0	0.0	-999.9	0.0	2.0	0.0	0.0	1.3	0.3	0.0	2.5	0.0	6.1
10	-999.9	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
11	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
12	0.0	0.0	0.0	0.0	0.0	-999.9	1.0	51.1	8.6	-999.9	0.0	0.0	60.7
13	0.0	-999.9	0.0	0.0	-999.9	3.8	5.8	0.0	0.0	0.0	0.0	0.0	9.6
14	44.0	0.0	0.0	3.3	0.0	0.0	34.8	16.8	7.0	0.0	0.0	0.0	105.9
15	10.1	0.0	0.0	-999.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
16	8.1	0.0	0.0	0.0	2.3	0.0	0.0	20.6	63.8	0.0	0.0	0.0	94.8
17	0.0	0.0	21.4	0.0	0.0	0.0	6.8	0.0	-999.9	0.0	0.0	0.0	28.2
18	0.0	8.1	1.8	0.0	0.0	0.0	3.6	0.0	15.3	0.0	0.0	0.0	28.8
19	0.0	2.0	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	2.0
20	0.0	13.5	0.0	0.0	-999.9	0.0	40.2	17.5	1.3	0.0	0.0	0.0	72.5
21	0.0	78.7	0.0	0.0	-999.9	0.0	1.3	-999.9	0.0	0.8	0.0	0.0	80.8
22	0.0	-999.9	0.0	0.0	-999.9	23.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0
23	0.0	0.0	0.0	0.0	-999.9	0.0	5.1	0.0	0.0	0.0	0.0	-999.9	5.1
24	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	11.4	0.0	0.0	-999.9	0.0	11.4
25	0.0	-999.9	0.0	0.0	8.4	0.0	-999.9	0.0	1.3	0.0	23.6	0.0	33.3
26	0.0	0.0	0.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	12.0	29.3
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0
28	0.0	0.0	0.0	0.0	-999.9	0.0	13.0	0.0	0.0	0.0	0.0	0.0	13.0
29	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	26.7	0.0	0.0	0.0	0.0	26.7
30	16.0	0.0	8.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	36.9
31	0.0	0.0	14.7	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	14.7
Max	44.0	78.7	43.2	9.3	17.3	23.0	40.2	55.7	63.8	0.8	23.6	12.0	411.6
Total	78.2	102.3	171.5	14.1	40.7	28.8	118.5	231.0	97.6	0.8	36.0	22.6	942.1

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1980 (37/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	55.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-999.9	0.0	59.1
2	6.1	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	17.5	0.0	-999.9	0.0	23.6
3	0.0	26.9	-999.9	13.8	0.0	0.0	14.0	-999.9	0.0	0.0	0.0	0.0	54.7
4	0.0	2.5	-999.9	0.0	0.0	0.0	9.1	-999.9	0.0	0.0	2.0	0.0	13.6
5	0.0	5.0	1.8	0.0	0.0	0.0	11.5	0.0	6.1	0.0	2.0	0.0	26.4
6	0.0	0.0	19.6	0.0	0.0	0.0	51.1	-999.9	0.0	0.0	0.0	0.0	70.7
7	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	15.0	-999.9	0.0	0.0	0.0	15.0
9	0.0	0.0	8.1	0.0	0.0	0.0	31.9	25.4	-999.9	0.0	0.0	0.0	65.4
10	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	13.0	36.6	0.0	0.0	49.6
11	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	5.3	-999.9	0.0	0.0	5.3
12	0.0	0.0	5.8	-999.9	-999.9	0.0	12.0	0.0	0.0	0.0	0.0	0.0	17.8
13	0.0	0.0	0.0	1.8	0.0	31.0	6.9	34.0	0.0	0.0	0.0	0.0	73.7
14	0.0	3.0	0.0	0.0	19.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	22.0
15	0.0	4.8	1.8	0.0	-999.9	0.0	11.0	0.0	0.0	0.0	0.0	0.0	17.6
16	4.9	17.0	-999.9	0.0	0.0	0.5	39.1	0.0	24.0	0.0	0.0	0.0	85.5
17	0.0	0.0	0.0	0.0	0.0	0.0	50.6	27.4	17.0	0.0	0.0	0.0	95.0
18	0.0	0.0	6.8	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	11.1
19	18.2	0.0	1.5	-999.9	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	27.1
20	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
21	0.0	0.8	3.8	-999.9	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	7.9
22	0.0	0.5	60.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.5
23	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
24	0.0	0.0	4.1	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	6.0	10.1
25	-999.9	0.0	0.0	0.0	0.0	33.6	0.0	28.2	-999.9	0.0	0.0	5.1	66.9
26	4.8	0.0	0.0	0.0	0.0	8.0	59.9	-999.9	0.0	0.0	0.0	2.4	75.1
27	3.0	1.3	0.0	-999.9	0.0	3.6	-999.9	41.9	0.0	0.0	10.6	0.0	60.4
28	0.0	24.0	-999.9	0.0	0.0	0.0	1.0	17.8	0.0	0.0	-999.9	0.0	42.8
29	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
30	0.0	0.0	3.6	0.0	4.6	0.0	-999.9	0.0	0.0	7.0	0.0	0.0	15.2
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	0.0	0.0	25.2
Max	55.8	26.9	60.0	13.8	19.0	33.6	59.9	41.9	24.0	36.6	10.6	6.0	388.1
Total	92.8	93.4	125.8	15.6	23.6	80.0	309.8	189.7	86.2	68.8	14.6	16.0	1116.3

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1981 (38/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	34.3	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	44.3
2	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	5.3	-999.9	0.0	1.3	0.0	10.0	0.0	0.0	-999.9	0.0	0.0	0.0	16.6
4	12.6	5.5	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	22.4
5	28.4	41.8	0.0	0.0	65.5	0.0	37.0	107.3	0.0	0.0	0.0	0.0	280.0
6	0.0	1.0	9.1	0.0	6.3	0.0	-999.9	12.7	0.0	0.0	0.0	0.0	29.1
7	0.0	0.0	21.8	0.0	0.0	0.0	0.0	26.9	0.0	0.0	0.0	0.0	48.7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	6.1	35.6	3.2	0.0	0.0	0.0	0.0	44.9
10	0.0	0.0	-999.9	0.0	20.0	1.4	0.0	8.9	0.0	0.0	0.0	0.0	30.3
11	0.0	0.0	3.8	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	3.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	5.0	0.0	5.0
13	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	12.2	4.5	0.0	-999.9	0.0	123.8	20.3	0.0	0.0	0.0	0.0	160.8
15	0.0	0.0	18.0	0.0	0.0	0.0	-999.9	-999.9	0.0	-999.9	0.0	0.0	18.0
16	0.0	0.0	4.1	0.0	0.0	0.0	-999.9	53.3	0.0	0.0	0.0	0.0	57.4
17	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
18	0.0	0.0	0.0	0.0	0.0	0.0	57.9	0.0	12.0	0.0	0.0	0.0	69.9
19	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	-999.9	0.0	0.0	0.0
20	0.0	0.0	1.3	41.7	0.0	0.0	-999.9	0.0	0.0	3.0	0.0	0.0	46.0
21	0.0	0.0	41.7	32.5	0.0	0.0	0.0	62.0	0.0	0.0	0.0	0.0	136.2
22	0.0	0.0	37.9	0.0	0.0	0.0	19.0	15.7	0.0	0.0	0.0	0.0	72.6
23	8.4	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	13.4
24	32.6	0.0	0.0	0.0	0.0	0.0	44.4	0.0	0.0	0.0	0.0	0.0	77.0
25	44.1	10.1	0.0	0.0	0.0	9.9	118.4	0.0	0.0	0.0	-999.9	0.0	182.5
26	3.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	3.0
27	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	23.4	0.0	0.0	0.0	0.0	23.4
28	18.4	2.8	0.0	-999.9	0.0	0.0	3.0	1.3	0.0	-999.9	0.0	0.0	25.5
29	-999.9		18.3	0.0	0.0	0.0	46.7	1.3	0.0	0.0	0.0	0.0	66.3
30	0.0	0.0	29.2	0.0	-999.9	0.0	30.0	0.0	0.0	0.0	0.0	0.0	59.2
31	0.0	0.0	-999.9		17.8		57.1	0.0		0.0		0.0	74.9
Max	44.1	41.8	41.7	41.7	65.5	10.0	123.8	107.3	12.0	3.0	5.0	0.0	495.9
Total	152.8	73.4	224.0	75.5	109.6	37.4	580.2	338.3	12.0	3.0	5.0	0.0	1611.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1982 (39/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	18.2	0.0	0.0	0.0	2.5	-999.9	0.0	0.0	0.0	3.8	24.5
2	0.0	0.0	22.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	2.6	26.4
3	0.0	-999.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
4	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	4.8
5	11.1	0.0	18.0	0.0	0.0	0.0	-999.9	5.6	0.0	0.0	0.0	0.0	34.7
6	0.0	0.0	13.2	-999.9	0.0	0.0	0.0	88.9	0.0	-999.9	0.0	0.0	102.1
7	0.0	-999.9	1.3	5.3	4.1	0.0	-999.9	90.5	0.0	0.0	0.0	0.0	101.2
8	0.0	3.0	0.0	0.0	29.0	0.0	-999.9	21.6	2.0	0.0	0.0	-999.9	55.6
9	0.0	0.0	4.0	0.0	6.9	0.0	0.0	27.2	0.0	0.0	0.0	12.0	50.1
10	5.2	-999.9	24.7	0.0	31.7	0.0	-999.9	181.3	0.0	0.0	0.0	4.6	247.5
11	0.0	25.6	8.4	0.0	0.0	0.0	0.0	114.8	0.0	0.0	0.0	0.0	148.8
12	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	-999.9	21.6
13	0.0	1.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	2.5
14	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
15	0.0	0.0	0.0	0.0	0.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
16	0.0	-999.9	-999.9	45.0	0.0	-999.9	0.0	10.2	0.0	0.0	79.7	0.0	134.9
17	0.0	0.0	12.7	55.9	0.0	0.0	-999.9	14.7	0.0	0.0	0.0	0.0	83.3
18	0.0	-999.9	0.0	20.4	0.0	10.6	0.0	0.0	0.0	0.0	3.3	0.0	34.3
19	0.0	1.5	0.0	-999.9	4.0	0.0	0.0	18.0	10.7	0.0	0.0	0.0	34.2
20	0.0	38.9	0.0	0.0	0.0	0.0	-999.9	21.6	0.0	0.0	0.0	0.0	60.5
21	0.0	-999.9	2.0	0.0	0.0	0.0	-999.9	0.0	29.0	0.0	0.0	0.0	31.0
22	40.8	0.0	8.6	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	49.4
23	3.8	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	18.0
24	0.0	0.0	13.2	0.0	13.0	0.0	24.1	18.0	0.0	0.0	0.0	0.0	68.3
25	0.0	0.0	36.9	2.5	0.0	6.3	8.1	0.0	0.0	0.0	0.0	0.0	53.8
26	2.8	0.0	0.0	-999.9	0.0	0.0	21.3	0.0	0.0	-999.9	0.0	0.0	24.1
27	0.0	0.0	0.0	8.9	0.0	0.0	20.3	0.0	0.0	-999.9	0.0	0.0	29.2
28	0.0	12.5	0.0	24.9	0.0	0.0	0.0	0.0	0.0	4.1	0.0	-999.9	41.5
29	0.0	0.0	0.0	28.1	0.0	0.0	81.3	0.0	0.0	0.0	0.0	1.3	110.7
30	0.0	0.0	0.0	0.0	4.8	0.0	0.0	13.0	0.0	0.0	0.0	0.0	17.8
31	10.7	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
Max	40.8	38.9	36.9	55.9	31.7	10.6	81.3	181.3	29.0	21.6	79.7	12.0	619.7
Total	74.4	87.3	186.4	191.0	101.7	18.9	159.1	641.4	41.7	25.7	83.0	24.3	1634.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1983 (40/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	1.5	0.0	5.4	0.0	-999.9	-999.9	14.0	0.0	6.4	-999.9	0.0	0.0	27.3
2	0.0	0.0	13.2	0.0	0.0	3.3	54.8	47.4	86.1	0.0	0.0	0.0	204.8
3	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	-999.9	3.6	17.8	0.0	0.0	21.4
4	0.0	0.0	0.0	6.3	-999.9	0.0	5.1	2.0	0.0	0.0	0.0	0.0	13.4
5	0.0	0.0	0.0	1.8	-999.9	0.0	8.1	152.2	0.0	0.0	0.0	0.0	162.1
6	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.1	0.0	0.0	2.5	0.0	8.6
7	2.5	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	2.5
8	0.0	0.0	1.3	23.8	0.0	10.2	-999.9	1.3	-999.9	0.0	0.0	0.0	36.6
9	0.0	0.0	-999.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
10	-999.9	0.0	0.0	0.8	1.3	5.0	1.0	33.0	0.4	0.0	0.0	0.0	41.5
11	0.0	0.0	2.8	16.7	2.8	-999.9	-999.9	33.1	21.9	0.0	0.0	0.0	77.3
12	0.0	0.0	0.0	19.6	6.6	0.0	5.1	36.1	0.0	0.0	0.0	0.0	67.4
13	0.0	0.0	0.0	56.3	0.0	-999.9	0.0	-999.9	2.0	0.0	0.0	0.0	58.3
14	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	0.0	-999.9	26.6
15	1.3	4.6	0.0	5.3	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	11.2
16	2.6	1.5	0.0	75.5	0.0	2.0	0.0	0.0	57.9	0.0	0.0	0.0	139.5
17	0.0	0.0	0.0	33.7	0.0	10.6	19.3	0.0	0.0	0.0	0.0	0.0	63.6
18	0.0	-999.9	-999.9	4.8	-999.9	-999.9	8.3	0.0	0.0	0.0	0.0	0.0	13.1
19	0.0	0.0	14.5	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	14.5
20	0.0	0.0	20.5	0.0	14.0	0.0	6.3	1.3	0.0	21.0	0.0	0.0	63.1
21	0.0	0.0	-999.9	0.0	-999.9	0.0	1.5	-999.9	0.0	10.1	0.0	0.0	11.6
22	0.0	0.0	-999.9	0.0	0.0	0.0	10.2	13.2	0.0	0.0	0.0	-999.9	23.4
23	0.0	-999.9	0.0	0.0	0.0	0.0	71.1	30.4	0.0	0.0	0.0	0.0	101.5
24	0.0	43.9	0.0	0.0	0.0	0.0	7.3	-999.9	0.0	0.0	0.0	0.0	51.2
25	0.0	-999.9	8.3	0.0	-999.9	0.0	-999.9	44.5	14.1	0.0	0.0	0.0	66.9
26	0.0	0.0	14.7	0.0	-999.9	0.0	43.2	173.5	0.0	0.0	0.0	0.0	231.4
27	62.2	0.0	0.0	13.4	0.0	12.7	2.0	0.0	0.0	0.0	0.0	0.0	90.3
28	38.3	-999.9	0.0	0.0	0.0	5.1	0.0	2.0	0.0	0.0	0.0	0.0	45.4
29	13.6		0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	13.6
30	7.5		0.0	4.1	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	11.6
31	1.8		0.0		1.5		0.0	7.1		0.0		0.0	10.4
Max	62.2	43.9	20.5	75.5	14.0	12.7	71.1	173.5	86.1	25.1	2.5	0.0	587.1
Total	131.3	51.5	80.7	264.9	26.2	48.9	258.3	582.2	192.4	74.0	2.5	0.0	1712.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1984 (41/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	11.4	0.0	0.0	0.0	43.2	26.2	0.0	0.0	0.0	80.8
2	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	6.3
3	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	19.1	0.0	0.0	0.0	19.1
4	0.0	3.8	0.0	12.7	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	23.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
6	-999.9	0.0	0.0	4.6	0.0	0.0	19.1	-999.9	25.4	0.0	0.0	0.0	49.1
7	0.0	-999.9	0.0	0.0	-999.9	0.0	4.1	0.0	16.9	0.0	0.0	0.0	21.0
8	0.0	0.0	0.0	-999.9	0.0	0.0	121.9	0.0	-999.9	0.0	0.0	0.0	121.9
9	0.0	0.0	0.0	0.0	0.0	0.0	4.6	17.1	0.0	0.0	-999.9	-999.9	21.7
10	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0
11	0.0	0.0	0.0	0.0	4.0	16.2	0.0	0.0	0.0	0.0	0.0	0.0	20.2
12	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	-999.9	-999.9	-999.9	0.0	1.0	0.0	0.0	0.0	-999.9	1.0
14	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	54.0	7.1	0.0	0.0	16.4	77.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	-999.9	0.0	0.0	0.0	22.3
16	0.0	-999.9	-999.9	0.0	4.0	0.0	3.8	7.0	0.0	0.0	0.0	0.0	14.8
17	0.0	-999.9	7.6	0.0	0.0	0.0	29.2	2.0	0.0	0.0	3.6	0.0	42.4
18	0.0	28.7	47.9	-999.9	0.0	0.0	6.6	-999.9	12.7	0.0	0.0	0.0	95.9
19	-999.9	11.4	4.1	0.0	0.0	0.0	0.0	12.0	5.1	0.0	0.0	0.0	32.6
20	0.0	47.7	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	47.7
21	0.0	20.8	0.0	0.8	0.0	0.0	1.3	1.0	0.0	0.0	-999.9	0.0	23.9
22	0.0	0.0	0.0	2.1	0.0	0.0	16.0	30.7	0.0	0.0	-999.9	0.0	48.8
23	0.0	0.0	0.0	0.0	0.0	22.4	1.5	0.0	0.0	0.0	-999.9	0.0	23.9
24	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.0	5.6	0.0	0.0	0.0	9.7
25	0.0	0.0	11.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	11.9
26	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-999.9	0.0	0.0	0.0	0.0	2.5
27	0.0	0.0	0.0	8.0	0.0	0.0	19.8	18.9	0.0	0.0	0.0	0.0	46.7
28	0.0	0.0	0.0	-999.9	0.0	112.5	2.5	5.8	0.0	-999.9	0.0	0.0	120.8
29	0.0	0.0	0.0	0.0	2.0	42.0	60.2	-999.9	0.0	0.0	0.0	0.0	104.2
30	0.0	0.0	0.0	0.0	0.0	6.6	13.5	0.0	0.0	0.0	0.0	-999.9	20.1
31	0.0	0.0	3.8	0.0	0.0	0.0	0.0	24.2	0.0	0.0	0.0	-999.9	28.0
Max	0.0	47.7	47.9	12.7	4.0	112.5	121.9	54.0	26.2	0.0	3.6	16.4	446.9
Total	0.0	112.4	75.3	39.6	10.0	202.2	306.2	245.2	131.5	0.0	3.6	16.4	1142.4

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1985 (42/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	-999.9	0.0	0.0	0.0	10.0	0.0	24.7	3.8	0.0	0.0	0.0	0.0	38.5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	4.1
3	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
5	10.1	4.5	0.0	0.0	0.0	0.0	0.0	-999.9	37.3	10.2	0.0	0.0	62.1
6	-999.9	0.0	0.0	9.8	0.0	0.0	0.0	-999.9	7.6	2.5	0.0	0.0	19.9
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.5	0.0	9.7	0.0	0.0	35.2
8	0.0	0.0	0.0	11.0	-999.9	0.0	86.0	3.0	0.0	0.0	0.0	21.3	121.3
9	0.0	0.0	0.0	21.6	4.1	0.0	15.0	0.0	0.0	0.0	0.0	0.0	49.6
10	0.0	0.0	0.0	-999.9	10.2	0.0	0.0	0.0	0.0	6.4	6.6	0.0	23.2
11	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	2.9	15.8
13	0.0	0.0	0.0	-999.9	-999.9	5.1	58.6	0.0	0.0	0.0	0.0	1.6	65.3
14	0.0	0.0	0.0	5.0	0.0	0.0	153.1	0.0	-999.9	0.0	0.0	0.0	158.1
15	0.0	0.0	0.0	0.0	0.0	0.0	15.2	8.6	11.4	-999.9	0.0	-999.9	35.2
16	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	9.7	9.7
17	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
18	1.0	0.0	21.1	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	24.1
19	5.6	0.0	0.0	0.0	0.0	0.0	0.0	9.4	-999.9	0.0	0.0	0.0	15.0
20	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	-999.9	-999.9	0.0	0.0	0.0	0.0
21	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
22	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-999.9	0.0	2.8
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.4	0.0	0.0	0.0	0.0	57.4
24	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	15.5	7.0	0.0	0.0	0.0	22.5
25	0.0	0.0	0.0	-999.9	3.6	0.0	52.6	84.3	-999.9	0.0	0.0	3.7	144.2
26	33.3	0.0	2.8	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	28.1	73.5
27	-999.9	0.0	1.8	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	49.5	51.3
28	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
29	0.0	0.0	0.0	0.0	0.0	3.0	-999.9	0.0	0.0	0.0	-999.9	0.0	3.0
30	0.0	0.0	18.0	-999.9	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0	35.5
31	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	0.0	0.0	19.8
Max	33.3	4.5	21.1	21.6	10.2	5.1	153.1	84.3	37.3	10.2	6.6	49.5	436.8
Total	54.0	4.5	47.0	47.4	30.4	8.1	456.6	220.4	63.3	37.7	10.7	116.8	1096.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1986 (43/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	-999.9	0.0	5.1	-999.9	35.0	0.0	0.0	0.0	0.0	40.1
2	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	19.3	0.0	-999.9	0.0	0.0	19.3
3	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
4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	12.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	11.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.1	0.0	0.0	0.0	8.1
7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	-999.9	0.0	0.0	0.0	0.0	1.3
8	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-999.9	0.0	0.0	0.0	0.0	2.8
9	0.0	0.0	0.0	0.0	13.2	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	13.2
10	0.0	16.2	0.0	2.8	0.0	0.0	-999.9	0.5	0.0	0.0	0.0	0.0	19.5
11	0.0	58.1	0.6	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.7
12	0.0	13.0	-999.9	0.0	0.0	0.0	36.8	0.0	0.0	-999.9	0.0	29.4	79.2
13	0.0	36.2	24.4	4.6	-999.9	8.9	0.0	0.0	-999.9	1.3	0.0	2.0	77.4
14	0.0	7.1	40.3	0.0	0.0	0.0	0.0	12.4	23.1	0.0	0.0	13.5	96.4
15	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.6	2.5	44.9	-999.9	-999.9	64.2
16	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	1.3	16.7	0.0	18.0
17	0.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	10.1	0.0	0.0	10.1
18	0.0	18.0	8.3	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	39.0
19	0.0	0.0	9.1	0.0	2.5	0.0	8.7	34.6	0.0	0.0	0.0	1.3	56.2
20	0.0	0.0	0.0	0.0	-999.9	0.0	1.0	1.0	0.0	0.0	0.0	0.0	2.0
21	0.0	-999.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
22	-999.9	-999.9	12.0	0.0	0.0	0.0	16.9	7.4	0.0	0.0	-999.9	0.0	36.3
23	0.0	0.0	0.0	0.0	0.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0	27.2
24	0.0	0.0	0.0	0.0	0.0	19.1	5.3	0.0	0.0	0.0	0.0	0.0	24.4
25	0.0	0.0	0.0	5.9	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	5.9
26	0.0	0.0	-999.9	16.4	0.0	0.0	0.0	0.0	4.3	0.0	17.3	0.0	38.0
27	0.0	0.0	3.6	32.8	-999.9	1.3	-999.9	27.7	1.0	0.0	6.3	0.0	72.7
28	0.0	0.0	1.8	0.0	4.3	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	6.1
29	0.0	0.0	2.0	0.0	-999.9	-999.9	-999.9	0.0	37.0	0.0	-999.9	0.0	39.0
30	0.0	0.0	0.0	3.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7
31	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
Max	0.0	58.1	40.3	32.8	13.2	27.2	36.8	35.0	37.0	44.9	17.3	29.4	372.0
Total	0.0	149.1	112.6	66.3	29.9	61.6	85.5	172.9	73.0	57.6	40.3	46.2	895.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1987 (44/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
2	0.0	0.0	0.0	2.3	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	7.0	9.3
3	0.0	0.0	0.0	23.9	-999.9	13.0	0.0	0.0	0.0	9.4	0.0	0.0	46.3
4	0.0	0.0	0.0	4.8	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	4.8
5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
6	-999.9	0.0	16.3	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	16.3
7	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	6.8	-999.9	-999.9	49.9	0.0	2.3	0.0	0.0	0.0	0.0	0.0	59.0
9	-999.9	15.5	0.0	14.0	16.2	5.4	0.0	-999.9	0.0	0.0	0.0	0.0	51.1
10	0.0	0.0	0.0	5.6	19.1	1.3	0.0	0.0	1.3	0.0	0.0	0.0	27.3
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	0.0	0.0	26.4
12	0.0	0.0	0.0	0.0	0.0	0.0	21.3	20.0	0.0	33.5	0.0	0.0	74.8
13	-999.9	0.0	12.0	0.0	-999.9	0.0	-999.9	56.9	0.0	-999.9	0.0	0.0	68.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	1.8	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	1.8
16	0.0	4.3	9.1	0.0	0.0	2.3	0.5	0.0	0.0	0.0	0.0	0.0	16.2
17	0.0	4.1	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	4.1
18	0.0	10.4	0.0	0.0	0.0	0.0	5.1	73.7	0.0	5.1	0.0	0.0	94.3
19	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	5.5	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
21	0.0	0.0	12.4	0.0	-999.9	5.1	0.0	2.0	0.0	0.0	0.0	0.0	19.5
22	0.0	0.0	2.5	0.0	-999.9	0.0	0.0	11.0	0.0	0.0	0.0	0.0	13.5
23	0.0	0.0	6.0	1.3	11.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	21.6
24	0.0	36.3	0.0	-999.9	0.0	0.0	-999.9	24.6	0.0	0.0	0.0	0.0	60.9
25	0.0	56.4	0.0	0.0	0.0	0.0	-999.9	18.8	0.0	0.0	0.0	0.0	75.2
26	0.0	0.0	7.1	0.0	0.0	0.0	23.2	0.0	0.0	0.0	0.0	0.0	30.3
27	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	1.3	0.0	0.0	0.0	0.0	1.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	-999.9	0.0	0.0	0.0	27.2
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.1	0.0	0.0	0.0	0.0	22.1
30	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	-999.9	0.0	11.0	3.6	0.0	0.0	0.0	-999.9	14.6
Max	0.5	56.4	16.3	23.9	49.9	13.0	23.2	73.7	1.3	33.5	0.0	7.0	298.7
Total	0.5	133.8	72.7	51.9	99.0	27.1	63.4	264.5	1.3	74.4	0.0	7.0	795.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1988 (45/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.8	0.0	0.0	0.0	0.0	66.8
2	0.0	0.0	0.0	-999.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
3	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	49.5	0.0	0.0	0.0	0.0	49.5
4	0.0	0.0	0.0	0.0	0.0	-999.9	18.5	0.0	0.0	29.2	0.0	0.0	47.7
5	0.0	0.0	0.0	-999.9	0.0	-999.9	33.1	0.0	0.0	0.0	0.0	0.0	33.1
6	-999.9	0.0	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0	0.0	0.0	16.5
7	0.0	0.0	14.2	0.0	0.0	-999.9	17.0	0.0	0.0	0.0	0.0	0.0	31.2
8	0.0	3.8	4.6	0.0	0.0	1.3	0.0	-999.9	0.0	0.0	0.0	0.0	9.7
9	0.0	0.0	-999.9	0.0	0.0	2.0	0.0	66.0	12.0	2.0	0.0	0.0	82.0
10	0.0	0.0	6.9	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	15.0
11	0.0	0.0	63.5	0.0	0.0	0.0	29.9	0.0	0.0	0.0	0.0	0.0	93.4
12	0.0	0.0	42.1	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	42.1
13	0.0	0.0	4.3	0.0	0.0	0.0	40.9	1.5	0.0	0.0	0.0	0.0	46.7
14	0.0	0.0	-999.9	0.0	0.0	0.0	50.4	20.3	0.0	0.0	0.0	0.0	70.7
15	0.0	0.0	0.0	0.0	0.0	0.0	65.2	40.7	0.0	0.0	0.0	0.0	105.9
16	0.0	0.0	4.8	0.0	0.0	-999.9	28.7	0.0	37.0	0.0	0.0	0.0	70.5
17	0.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	-999.9	13.7
18	0.0	0.0	0.0	2.3	0.0	4.6	0.0	0.0	5.1	-999.9	0.0	-999.9	12.0
19	0.0	0.0	-999.9	-999.9	0.0	0.0	-999.9	26.4	0.0	0.0	0.0	14.9	41.3
20	0.0	-999.9	0.0	0.0	0.0	0.0	1.3	-999.9	0.0	0.0	0.0	11.2	12.5
21	-999.9	7.0	0.0	0.0	0.0	0.0	62.2	2.0	0.0	0.0	0.0	0.0	71.2
22	13.2	0.0	0.0	0.0	0.0	4.8	-999.9	-999.9	25.3	0.0	0.0	4.9	48.2
23	0.0	0.0	0.0	0.0	0.0	14.0	1.8	-999.9	0.0	0.0	0.0	41.4	57.2
24	0.0	0.0	0.0	4.6	0.0	0.0	26.4	0.0	0.0	0.0	0.0	-999.9	31.0
25	0.0	0.0	0.0	0.0	-999.9	0.0	1.3	-999.9	46.7	0.0	0.0	0.0	48.0
26	0.0	0.0	12.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	12.9
27	0.0	-999.9	-999.9	0.0	0.0	0.0	1.0	0.8	0.0	0.0	0.0	0.0	1.8
28	1.8	12.4	0.0	0.0	6.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	22.3
29	2.1		0.0	0.0	0.0	61.6	-999.9	0.0	0.0	0.0	0.0	0.0	63.7
30	0.0	0.0	0.0	0.0	0.0	8.1	-999.9	0.0	0.0	0.0	0.0	0.0	8.1
31	-999.9		0.0		0.0	0.0	42.5	0.0		0.0		0.0	42.5
Max	13.2	12.4	63.5	4.6	6.8	61.6	65.2	66.8	46.7	29.2	0.0	41.4	411.4
Total	17.1	23.2	153.3	6.9	8.6	97.7	450.4	282.1	126.1	31.2	0.0	72.4	1269.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1989 (46/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	11.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2
2	0.0	0.0	0.0	0.0	3.5	0.0	1.0	1.3	0.0	0.0	0.0	0.0	5.8
3	1.3	-999.9	0.0	0.0	0.0	0.0	3.8	1.0	0.0	0.0	-999.9	0.0	6.1
4	0.0	0.0	0.0	0.8	0.0	0.0	14.9	0.0	0.0	0.0	0.0	0.0	15.7
5	10.1	2.8	0.0	0.0	0.0	0.0	-999.9	12.1	0.0	0.0	0.0	0.0	25.0
6	56.2	0.0	0.0	0.0	0.0	0.0	1.6	-999.9	0.0	0.0	0.0	0.0	57.8
7	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
8	-999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	4.6	4.6
9	0.0	0.0	5.3	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	1.0	6.3
10	0.0	0.0	4.5	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	4.5
11	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	2.3	2.3
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	-999.9	3.0
13	0.0	-999.9	-999.9	0.0	0.0	0.0	-999.9	10.2	0.0	1.8	0.0	0.0	12.0
14	0.0	0.8	1.0	0.0	0.0	0.0	81.0	69.9	0.0	0.0	0.0	0.0	152.7
15	0.0	0.0	-999.9	0.0	0.0	0.0	25.4	0.0	-999.9	0.0	0.0	0.0	25.4
16	0.0	0.0	0.0	0.0	0.0	20.0	-999.9	0.0	0.0	0.0	0.0	0.0	20.0
17	0.0	7.1	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
18	0.0	-999.9	16.3	0.0	0.5	6.3	0.0	0.0	0.0	0.0	-999.9	-999.9	23.1
19	0.0	0.0	-999.9	-999.9	0.0	-999.9	0.0	2.0	0.0	0.0	-999.9	0.0	2.0
20	-999.9	0.0	14.8	0.0	0.0	5.1	0.0	84.5	0.0	0.0	0.0	15.5	119.9
21	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	44.4	0.0	0.0	0.0	17.7	62.1
22	0.0	0.0	7.6	-999.9	0.0	0.0	0.0	45.7	5.8	0.0	0.0	0.0	59.1
23	0.0	0.0	1.0	0.0	0.0	0.0	0.0	17.8	21.6	0.0	2.0	4.6	47.0
24	0.0	-999.9	0.0	0.0	-999.9	0.0	9.4	0.0	-999.9	0.0	0.0	2.8	12.2
25	0.0	0.0	0.0	-999.9	0.0	0.0	13.8	0.0	0.0	0.0	0.0	-999.9	13.8
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.2	0.0	0.0	0.0	2.0	67.2
27	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5
28	0.0	0.0	13.5	0.0	0.0	21.8	0.0	10.9	0.0	0.0	0.0	0.0	46.2
29	0.0		-999.9	0.0	0.0	3.8	21.1	0.0	0.0	0.0	0.0	0.0	24.9
30	0.0	0.0	-999.9	0.0	0.0	0.0	76.4	0.0	0.0	0.0	0.0	0.0	76.4
31	0.0		7.5		0.0		116.8	0.0		0.0		0.0	124.3
Max	56.2	7.1	16.3	11.9	3.5	21.8	116.8	84.5	21.6	2.0	2.0	17.7	361.4
Total	67.6	10.7	71.5	12.7	5.3	57.0	365.2	369.5	28.4	3.8	2.0	50.5	1044.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1990 (47/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.8	3.4	0.0	0.0	0.0	43.5	-1.0	0.0	0.0	2.3	0.0	49.0
2	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	36.9	0.0	0.0	2.5	0.0	38.4
3	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
4	0.0	0.0	0.0	0.0	0.0	0.0	30.5	0.0	0.0	0.0	0.0	0.0	30.5
5	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-1.0	76.9	0.0	0.0	0.0	74.9
6	-1.0	0.0	0.0	1.3	0.0	0.0	43.9	0.0	33.3	0.0	0.0	0.0	77.5
7	7.1	3.0	0.0	37.0	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	46.1
8	0.0	13.5	0.0	5.1	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	31.9
9	0.0	-1.0	0.0	0.0	0.0	3.0	0.0	76.7	0.0	0.0	0.0	0.0	78.7
10	0.0	0.0	8.1	0.0	0.0	-1.0	44.2	17.8	0.0	0.0	0.0	0.0	69.1
11	0.0	0.0	53.9	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.9
12	0.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0
13	-1.0	14.9	0.0	-1.0	0.0	3.8	1.3	64.3	0.0	0.0	0.0	-1.0	81.3
14	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.0	-1.0	30.9
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	48.0	47.0
16	0.0	0.0	0.0	2.5	-1.0	0.0	-1.0	4.6	1.0	0.0	0.0	22.5	28.6
17	0.0	0.0	20.6	6.9	0.0	0.0	0.2	0.0	0.0	7.9	0.0	25.6	61.2
18	1.5	0.0	13.9	0.0	-1.0	0.0	16.0	0.0	0.0	21.1	0.0	0.0	51.5
19	-1.0	0.0	-1.0	0.0	0.0	0.0	0.0	34.3	8.7	0.0	3.1	0.0	44.1
20	0.0	0.0	30.8	0.0	0.0	0.0	0.0	23.4	8.4	0.0	0.0	0.0	62.6
21	0.0	0.0	9.6	0.0	0.0	0.0	38.1	-1.0	3.8	0.0	0.0	0.0	50.5
22	1.3	0.0	13.0	0.0	0.0	0.0	5.8	2.5	0.0	0.0	0.0	0.0	22.6
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	11.1
24	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	29.1
25	0.0	12.4	0.0	0.0	0.0	-1.0	-1.0	26.7	2.0	0.0	0.0	-1.0	38.1
26	0.0	7.9	0.0	2.5	0.0	20.6	60.2	3.8	0.0	0.0	0.0	0.0	95.0
27	25.1	5.3	0.0	0.0	0.0	0.0	22.9	0.0	0.0	0.0	0.0	6.4	59.7
28	6.1	17.5	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	31.8	76.2
29	0.0	0.0	4.8	0.0	-1.0	0.0	0.0	76.2	0.0	0.0	0.0	27.9	107.9
30	0.0	0.0	2.1	0.0	-1.0	2.0	0.0	41.9	15.7	0.0	0.0	3.0	63.7
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-1.0	1.5
Max	25.1	17.5	53.9	37.0	0.0	20.6	60.2	76.7	76.9	21.1	3.1	48.0	440.1
Total	38.1	103.1	158.2	52.3	-5.0	25.4	324.4	433.0	167.3	29.0	7.9	173.9	1507.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1991 (48/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	31.0	0.0	0.0	-999.9	-999.9	0.0	0.0	62.4	20.3	0.0	0.0	0.0	113.7
2	0.0	0.0	-999.9	22.9	0.0	0.0	0.0	3.8	35.1	0.0	0.0	0.0	61.8
3	0.0	0.0	3.8	1.8	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	5.6
4	0.0	0.0	34.3	-999.9	0.0	0.0	0.0	3.8	2.8	0.0	0.0	0.0	40.9
5	0.0	0.0	9.1	0.0	-999.9	0.0	0.0	2.6	0.0	0.0	0.0	0.0	11.7
6	0.0	0.3	0.0	6.3	-999.9	0.0	10.7	1.0	38.6	0.0	0.0	0.0	56.9
7	0.0	1.0	0.0	-999.9	0.0	0.0	0.0	7.4	13.0	0.0	0.0	0.0	21.4
8	-999.9	0.0	-999.9	-999.9	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
9	0.0	3.3	5.1	18.1	0.0	0.0	0.0	60.1	-999.9	0.0	0.0	0.0	86.6
10	0.0	28.5	0.0	5.1	1.3	3.3	0.0	7.1	-999.9	0.0	0.0	0.0	45.3
11	0.0	51.1	0.0	0.0	-999.9	37.3	0.0	0.0	0.0	0.0	0.0	0.0	88.4
12	0.5	1.3	2.8	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	4.6
13	0.0	0.0	-999.9	10.3	-999.9	0.0	69.1	0.0	0.0	0.0	-999.9	-999.9	79.4
14	0.0	0.5	0.0	29.8	0.0	0.0	23.2	0.0	0.0	0.0	0.0	0.0	53.5
15	0.0	12.9	0.0	22.3	0.0	-999.9	0.0	0.0	35.3	1.0	0.0	0.0	71.5
16	0.0	0.0	0.0	-999.9	0.0	5.3	0.0	0.0	8.1	2.3	0.0	0.0	15.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	20.1
18	0.0	0.0	6.0	0.0	0.0	0.0	38.4	0.0	0.0	0.0	0.0	0.0	44.4
19	0.0	0.0	8.2	0.0	0.0	31.5	0.0	54.9	0.0	0.0	0.0	0.0	94.6
20	0.0	0.0	0.0	0.0	-999.9	11.2	26.2	4.6	0.0	0.0	0.0	0.0	42.0
21	0.0	0.0	0.0	0.0	12.7	-999.9	17.7	33.5	0.0	0.0	0.0	0.8	64.7
22	0.0	0.0	3.8	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	16.3	20.1
23	0.0	0.0	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6
24	0.0	0.5	13.2	0.0	2.8	0.0	0.0	7.1	0.0	0.0	0.0	0.0	23.6
25	-999.9	5.3	0.0	0.0	-999.9	-999.9	18.0	0.0	0.0	0.0	0.0	-999.9	23.3
26	4.8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	29.2	0.0	0.0	-999.9	34.0
27	1.8	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.8
28	2.1	2.1	0.0	-999.9	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	4.2
29	-999.9		0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	48.5	14.9	-999.9	0.0	3.8	0.0	67.2
31	0.0	0.0	0.0		0.0		-999.9	1.0		0.0		0.0	1.0
Max	31.0	51.1	34.3	29.8	12.7	37.3	69.1	62.4	38.6	2.3	3.8	16.3	388.7
Total	40.2	106.8	103.9	116.6	16.8	88.6	251.8	264.2	205.5	3.3	3.8	17.1	1218.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1992 (49/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	31.0	29.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	366.0
2	0.0	0.0	1.3	0.0	4.6	0.0	4.8	0.0	0.0	999.9	999.9	0.0	10.7
3	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	999.9	999.9	0.0	0.0
4	0.0	0.0	0.0	0.0	12.7	-999.9	0.0	93.4	10.0	999.9	999.9	0.0	116.1
5	0.0	0.0	0.0	1.8	-999.9	0.0	0.0	13.0	0.6	999.9	999.9	-999.9	15.4
6	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	999.9	999.9	0.0	0.0
7	0.0	8.4	-999.9	5.3	0.0	0.0	0.0	-999.9	0.0	999.9	999.9	0.0	13.7
8	-999.9	27.6	0.0	-999.9	-999.9	0.0	0.0	0.0	-999.9	999.9	999.9	0.0	27.6
9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	15.7	19.3	999.9	999.9	0.0	38.6
10	0.0	0.0	0.0	0.0	-999.9	0.0	76.2	30.3	223.4	999.9	999.9	0.0	329.9
11	2.0	0.0	0.0	11.7	0.0	0.0	14.8	0.0	0.0	999.9	999.9	0.0	28.5
12	3.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	999.9	999.9	0.0	3.0
13	0.0	-999.9	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	999.9	999.9	7.9	7.9
14	0.0	49.2	11.4	0.0	0.0	0.0	48.0	0.0	0.0	999.9	999.9	0.0	108.6
15	0.0	-999.9	0.0	0.0	0.0	0.0	61.0	0.0	-999.9	999.9	999.9	0.0	61.0
16	0.0	0.0	0.0	0.0	-999.9	-999.9	15.2	0.0	-999.9	999.9	999.9	0.0	15.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	999.9	999.9	0.0	3.6
18	0.0	0.0	0.0	-999.9	6.6	0.0	11.4	111.6	3.7	999.9	999.9	0.0	133.3
19	0.0	0.0	0.0	3.3	0.0	0.0	-999.9	5.1	0.0	999.9	999.9	0.0	8.4
20	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	1.0	0.0	999.9	999.9	0.0	1.0
21	0.0	-999.9	-999.9	-999.9	-999.9	0.0	0.0	0.0	0.0	999.9	999.9	0.0	0.0
22	0.0	0.0	5.8	2.5	0.0	14.5	1.8	0.0	0.0	999.9	999.9	0.0	24.6
23	0.0	0.0	3.1	1.3	0.0	-999.9	-999.9	2.0	0.0	999.9	999.9	0.0	6.4
24	-999.9	0.0	24.6	0.0	0.0	-999.9	0.0	0.0	0.0	999.9	999.9	0.0	24.6
25	4.6	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	0.0	11.1
26	2.3	0.0	16.7	0.0	0.0	0.0	-999.9	0.0	0.0	999.9	999.9	-999.9	19.0
27	-999.9	0.0	27.6	0.0	1.0	0.0	10.9	0.0	0.0	999.9	999.9	0.0	39.5
28	6.8	0.0	22.1	0.0	9.9	0.0	0.0	4.0	0.0	999.9	999.9	0.0	42.8
29	1.3		0.0	0.0	2.0	0.0	0.0	25.3	0.0	999.9	999.9	0.0	28.6
30	18.5		-999.9	4.6	-999.9	-999.9	7.6	0.0	0.0	999.9	999.9	0.0	30.7
31	49.5		0.0		-999.9		-999.9	0.0		999.9		-999.9	49.5
Max	49.5	49.2	31.0	30.0	31.0	30.0	76.2	111.6	223.4	31.0	30.0	31.0	723.9
Total	122.6	114.2	150.1	60.5	67.8	44.5	282.7	336.0	287.0	31.0	30.0	38.9	1565.3

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1993 (50/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	11.4	999.9	0.0	0.0	13.0	12.0	0.0	5.5	26.0	0.0	0.0	-999.9	67.9
2	0.0	999.9	0.0	0.0	0.0	0.0	-999.9	18.0	2.0	0.0	0.0	0.0	20.0
3	0.0	999.9	0.0	0.0	0.0	0.0	0.0	50.5	8.0	0.0	0.0	0.0	58.5
4	0.0	999.9	-999.9	0.0	0.0	0.0	-999.9	9.2	24.0	0.0	0.0	0.0	33.2
5	0.0	999.9	0.0	0.0	0.0	0.0	7.0	0.0	4.0	0.0	-999.9	0.0	11.0
6	1.0	999.9	-999.9	0.0	0.0	0.0	-999.9	0.0	2.0	0.0	5.7	0.0	8.7
7	1.6	999.9	0.0	0.0	0.0	0.0	0.0	13.0	6.1	-999.9	0.7	0.0	21.4
8	0.0	999.9	0.0	0.0	0.0	0.0	40.0	-999.9	-999.9	0.0	-999.9	0.0	40.0
9	0.0	999.9	0.0	0.0	-999.9	0.0	5.0	0.0	0.0	6.0	9.0	0.0	20.0
10	0.0	999.9	0.0	0.0	7.3	0.0	30.0	64.0	0.0	-999.9	0.0	0.0	101.3
11	1.5	999.9	25.9	-999.9	-999.9	0.0	8.5	-999.9	0.0	0.0	0.0	0.0	35.9
12	0.0	999.9	35.0	-999.9	0.0	0.0	-999.9	-999.9	4.0	0.0	0.0	0.0	39.0
13	0.0	999.9	3.2	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	17.1
14	0.0	999.9	-999.9	7.4	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	9.9
15	0.0	999.9	0.0	6.8	-999.9	23.0	0.0	35.0	0.0	0.0	0.0	0.0	64.8
16	18.1	999.9	0.0	3.0	4.9	-999.9	7.0	0.0	0.0	0.0	0.0	0.0	33.0
17	2.8	999.9	0.0	0.0	-999.9	0.0	0.0	14.0	0.0	0.0	0.0	0.0	16.8
18	0.0	999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0
19	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	999.9	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
21	0.0	999.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
22	0.0	999.9	-999.9	4.8	-999.9	0.0	20.7	0.0	0.0	0.0	0.0	0.0	25.5
23	0.0	999.9	39.2	0.0	0.0	0.0	29.5	0.0	0.0	0.0	0.0	0.0	68.7
24	0.0	999.9	64.4	0.0	0.0	24.5	-999.9	0.0	-999.9	0.0	0.0	0.0	88.9
25	0.0	999.9	-999.9	0.0	0.0	9.2	5.0	0.0	0.0	0.0	0.0	0.0	14.2
26	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	999.9	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	9.1
28	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0
31	0.0		0.0		2.5		0.0	0.0		0.0		0.0	2.5
Max	18.1	0.0	64.4	7.4	17.0	24.5	40.0	64.0	26.0	6.0	9.0	0.0	276.4
Total	36.4	0.0	174.3	22.0	44.7	77.8	152.7	211.2	93.5	6.0	15.4	0.0	834.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1994 (51/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	1.7	0.0	19.5	-999.9	5.0	0.0	0.0	0.0	26.2
2	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	14.0	0.0	0.0	0.0	14.8
3	0.0	0.0	2.0	7.2	0.0	0.0	6.0	0.0	9.0	0.0	-999.9	0.0	24.2
4	0.0	-999.9	-999.9	26.7	0.0	0.0	115.0	140.0	7.0	0.0	0.0	0.0	288.7
5	0.0	24.5	0.0	16.5	0.0	0.0	0.0	9.0	13.0	-999.9	0.0	0.0	63.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	12.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	3.2	11.4
8	1.0	0.0	0.0	0.0	4.0	0.0	6.0	50.0	0.0	0.0	0.0	30.2	91.2
9	0.0	0.0	0.0	0.0	0.0	-999.9	3.5	70.0	0.0	0.0	0.0	0.0	73.5
10	0.0	0.0	0.0	-999.9	0.0	4.7	-999.9	170.0	0.0	0.0	0.0	0.0	174.7
11	0.0	0.0	0.0	-999.9	0.0	-999.9	38.0	15.0	0.0	8.0	0.0	0.0	61.0
12	-999.9	0.0	-999.9	0.0	0.0	22.5	0.0	0.0	1.0	0.0	1.0	0.0	24.5
13	2.0	0.0	0.0	0.0	7.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
14	21.7	2.7	-999.9	1.3	17.0	0.0	-999.9	0.0	0.0	2.3	0.0	0.0	45.0
15	0.0	0.0	0.0	7.8	-999.9	0.0	6.0	35.8	-999.9	0.0	0.0	0.0	49.6
16	0.0	1.2	0.0	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	22.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	24.0
18	-999.9	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	4.2	0.0	-999.9	0.0	73.0	0.0	0.0	0.0	0.0	0.0	77.2
20	3.4	-999.9	17.2	0.0	1.2	0.0	54.1	0.0	0.0	0.0	0.0	0.0	75.9
21	-999.9	23.0	0.0	0.0	-999.9	0.0	15.5	0.0	0.0	0.0	0.0	0.0	38.5
22	0.0	-999.9	0.0	0.0	-999.9	0.0	21.5	5.0	0.0	0.0	0.0	2.0	28.5
23	0.0	0.0	0.0	2.0	3.8	0.0	58.5	10.3	0.2	0.0	0.0	4.0	78.8
24	0.0	0.0	0.0	0.0	-999.9	0.0	53.0	5.2	0.0	0.0	0.0	0.0	58.2
25	0.0	0.0	1.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	6.6	13.2
26	0.0	-999.9	0.0	0.0	0.0	16.0	0.0	0.0	0.0	10.5	0.0	1.0	27.5
27	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.6	17.6
28	0.0	0.0	0.0	0.0	0.0	2.0	19.1	0.0	0.0	0.0	0.0	18.1	39.2
29	0.0	0.0	0.0	0.6	0.0	0.0	70.0	0.0	0.0	0.0	0.0	22.5	93.1
30	0.0	0.0	5.2	7.2	0.0	0.0	4.0	55.0	0.0	0.0	0.0	0.0	71.4
31	0.0	0.0	6.4	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	40.4
Max	21.7	24.5	17.2	26.7	17.0	22.5	115.0	170.0	14.0	10.5	1.0	30.2	470.3
Total	36.1	51.4	36.0	69.3	36.0	54.8	596.7	618.7	56.2	29.8	1.0	93.2	1679.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1995 (52/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	34.0
2	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	119.0	0.0	0.0	0.0	0.0	119.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	15.8	0.0	0.0	20.8
4	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	1.0	0.0	0.0	0.0	0.0	1.0
5	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	2.0	0.0	0.0	0.0	0.0	2.0
6	0.0	0.0	0.0	0.0	0.0	0.0	43.5	0.0	0.0	0.0	0.0	0.0	43.5
7	0.0	0.0	0.0	0.0	0.0	0.0	36.0	1.0	0.0	0.0	0.0	-999.9	37.0
8	0.0	-999.9	-999.9	0.0	0.0	0.0	22.2	42.0	0.0	0.0	0.0	4.0	68.2
9	3.0	0.0	1.5	11.0	0.0	0.0	47.2	0.0	0.0	0.0	0.0	8.0	70.7
10	26.0	2.5	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.5
11	0.0	-999.9	0.0	0.0	-999.9	0.0	47.4	-999.9	0.0	0.0	0.0	9.0	56.4
12	0.0	18.4	0.0	26.4	-999.9	0.0	15.5	0.0	8.0	0.0	0.0	0.0	68.3
13	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	13.5
14	0.0	8.0	0.0	0.0	0.0	0.0	22.0	8.0	0.0	0.0	0.0	0.0	38.0
15	0.0	29.0	0.0	8.0	0.0	0.0	13.0	0.0	0.0	26.8	0.0	-999.9	76.8
16	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-999.9	0.0	15.0	0.0	13.0	33.8
17	0.0	0.0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	-999.9	0.0	0.0	10.0
18	0.0	19.9	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	19.9
19	0.0	0.0	0.0	5.0	2.0	0.0	32.0	4.0	0.0	4.0	0.0	0.0	47.0
20	0.0	0.0	-999.9	-999.9	4.0	16.0	8.0	-999.9	0.0	0.0	0.0	0.0	28.0
21	0.0	0.0	0.0	0.0	1.0	2.5	46.0	63.0	0.0	0.0	0.0	1.0	113.5
22	0.0	0.0	-999.9	1.2	2.0	2.0	-999.9	0.0	0.0	3.0	0.0	0.0	8.2
23	0.0	0.0	2.5	-999.9	-999.9	0.0	12.0	2.6	0.0	0.0	0.0	0.0	17.1
24	0.0	0.0	5.6	-999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	5.6
25	0.0	0.0	13.4	-999.9	6.0	0.0	93.6	15.0	0.0	0.0	0.0	0.0	128.0
26	0.0	0.0	14.8	-999.9	2.2	0.0	34.5	-999.9	0.0	0.0	0.0	0.0	51.5
27	2.5	15.0	0.0	0.0	0.0	0.0	21.0	34.0	0.0	0.0	0.0	0.0	72.5
28	0.0	7.0	46.5	0.0	0.0	0.0	86.5	0.0	0.0	0.0	1.6	0.0	141.6
29	0.0		20.0	-999.9	0.0	0.0	149.4	19.2	7.8	0.0	18.4	0.0	214.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0
31	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0		0.0	0.0
Max	26.0	29.0	46.5	38.0	6.0	16.0	149.4	119.0	24.0	26.8	18.4	13.0	512.1
Total	31.5	99.8	104.3	107.4	17.2	20.5	743.3	331.8	39.8	64.6	20.0	35.0	1615.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1996 (53/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.0	0.0	0.0	0.0	0.0	71.0
2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	1.0
3	0.0	0.0	3.0	0.0	7.0	0.0	0.0	0.0	3.0	43.0	0.0	6.0	62.0
4	0.0	0.0	0.0	3.0	-999.9	0.0	0.0	1.0	1.0	5.0	0.0	0.0	10.0
5	0.0	0.0	0.0	7.0	2.0	0.0	1.5	-999.9	0.0	0.0	0.0	0.0	10.5
6	0.0	0.0	-999.9	5.0	0.0	0.0	20.0	18.0	4.0	0.0	0.0	0.0	47.0
7	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	2.0	10.5	0.0	0.0	0.0	12.5
8	0.0	0.0	0.0	9.0	0.0	0.0	0.0	42.0	2.5	0.0	0.0	0.0	53.5
9	0.0	22.4	0.0	0.0	0.0	0.0	0.0	2.0	-999.9	0.0	0.0	0.0	24.4
10	-999.9	11.5	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	13.0
11	0.0	0.0	-999.9	0.0	5.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	35.0
12	-999.9	0.0	14.8	-999.9	0.0	0.0	17.0	0.0	0.0	-999.9	0.0	0.0	31.8
13	0.0	0.0	0.0	-999.9	0.0	14.0	-999.9	-999.9	0.0	0.0	0.0	0.0	14.0
14	-999.9	6.0	0.0	0.0	-999.9	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	6.0
15	52.5	39.0	32.0	0.0	0.0	0.0	0.0	4.8	6.0	0.0	0.0	0.0	134.3
16	9.0	0.0	9.0	0.0	-999.9	68.0	13.0	98.0	0.0	0.0	0.0	0.0	197.0
17	0.0	0.0	9.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	10.8
18	0.0	0.0	18.5	0.0	0.0	2.0	0.0	0.0	31.0	-999.9	0.0	0.0	51.5
19	0.0	0.0	29.0	0.0	0.0	2.0	0.0	40.0	0.0	12.0	0.0	0.0	83.0
20	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	3.0	0.0	3.0
21	0.0	0.0	3.8	0.0	3.0	-999.9	18.5	0.0	0.0	-999.9	0.0	0.0	25.3
22	3.0	0.0	0.0	-999.9	14.0	3.0	0.0	10.0	14.0	0.0	0.0	0.0	44.0
23	17.0	0.0	0.0	7.2	-999.9	-999.9	9.0	0.0	0.0	0.0	0.0	0.0	33.2
24	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0
25	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
26	0.0	1.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
27	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
28	0.0	0.0	3.0	-999.9	0.0	2.2	-999.9	0.0	0.0	0.0	0.0	0.0	5.2
29	0.0	-999.9	7.0	-999.9	0.0	20.0	163.0	0.0	0.0	0.0	0.0	0.0	190.0
30	0.0	0.0	-999.9	16.0	0.0	22.0	38.5	7.0	0.0	0.0	0.0	0.0	83.5
31	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	18.0
Max	52.5	42.0	32.0	16.0	14.0	68.0	163.0	98.0	31.0	43.0	3.0	6.0	568.5
Total	81.5	121.9	130.1	47.2	32.0	145.2	298.5	329.1	72.0	60.0	3.0	6.0	1326.5

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1997 (54/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	6.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	7.0
2	0.0	10.0	2.6	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8
3	0.0	6.8	0.0	18.3	-999.9	0.0	0.0	17.4	3.0	0.0	0.0	0.0	45.5
4	0.0	0.0	0.0	29.3	5.6	13.4	2.0	0.0	0.0	31.0	0.0	0.0	81.3
5	0.0	0.0	0.0	-999.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	30.0
7	0.0	0.0	-999.9	0.0	9.0	0.0	0.0	0.0	-999.9	2.0	0.0	-999.9	11.0
8	0.0	0.0	1.5	-999.9	12.0	0.0	0.0	0.0	56.0	6.0	0.0	17.2	92.7
9	0.0	0.0	-999.9	1.0	2.0	10.0	0.0	-999.9	3.0	0.0	2.0	-999.9	18.0
10	0.0	0.0	0.0	0.0	0.0	-999.9	21.0	-999.9	5.0	0.0	9.0	0.0	35.0
11	0.0	3.5	-999.9	0.0	0.0	0.0	16.2	0.0	0.0	30.0	0.0	0.0	49.7
12	0.0	0.0	0.0	8.0	6.3	8.0	0.0	51.0	14.0	0.0	0.0	-999.9	87.3
13	0.0	0.0	0.0	-999.9	9.0	0.0	0.0	64.0	20.0	0.0	0.0	-999.9	93.0
14	0.0	0.0	0.0	29.5	-999.9	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	29.5
15	0.0	0.0	2.4	10.0	-999.9	0.0	28.0	0.0	0.0	-999.9	0.0	0.0	40.4
16	0.0	0.0	4.0	2.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-999.9	8.6
17	0.0	0.0	0.0	8.0	0.0	0.0	-999.9	0.0	4.0	1.0	0.0	0.0	13.0
18	-999.9	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	2.0
19	13.0	0.0	32.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0
20	10.5	0.0	0.0	0.0	0.0	-999.9	13.0	0.0	0.0	10.4	0.0	0.0	33.9
21	11.5	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	10.0	2.2	0.0	0.0	23.7
22	-999.9	0.0	0.0	0.0	0.0	0.0	45.0	28.0	-999.9	6.0	0.0	0.0	79.0
23	0.0	0.0	0.0	0.0	0.0	3.0	1.0	14.0	0.0	-999.9	0.0	-999.9	18.0
24	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
25	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0
26	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	4.4	0.0	4.4
27	4.0	0.0	0.0	16.9	0.0	10.5	2.0	200.0	4.0	0.0	7.0	0.0	244.4
28	-999.9	0.0	10.0	-999.9	0.0	3.4	12.0	121.0	0.0	0.0	0.0	0.0	146.4
29	0.0	0.0	29.8	1.0	0.0	16.4	37.0	0.0	9.0	0.0	0.0	2.6	95.8
30	0.0	0.0	0.0	11.0	-999.9	0.0	3.0	0.0	-999.9	7.2	0.0	-999.9	21.2
31	0.0	0.0	0.0	0.0	-999.9	0.0	12.0	0.0	0.0	0.0	0.0	0.0	12.0
Max	13.0	10.0	32.0	31.2	12.0	16.4	45.0	200.0	56.0	31.0	9.0	17.2	472.8
Total	39.0	20.3	84.3	172.2	46.1	64.7	194.8	496.4	158.0	95.8	22.4	19.8	1413.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1998 (55/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	-999.9	0.0	0.0	1.0	0.0	55.0	0.0	0.0	2.0	0.0	0.0	58.0
2	0.0	3.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	3.0
3	0.0	0.0	9.6	-999.9	4.5	0.0	0.0	106.0	41.0	0.0	0.0	0.0	161.1
4	0.0	0.0	44.0	3.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	47.0
5	0.0	0.0	2.4	0.0	0.0	0.0	0.0	27.0	-999.9	6.0	0.0	0.0	35.4
6	0.0	0.0	0.0	0.0	4.8	0.0	24.0	7.0	0.0	0.0	0.0	0.0	35.8
7	0.0	0.0	0.0	-999.9	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	30.0
8	1.0	0.0	0.0	20.0	13.0	-999.9	2.0	15.0	0.0	0.0	0.0	0.0	51.0
9	0.0	0.0	0.0	20.0	2.3	0.0	50.0	0.0	47.0	0.0	0.0	0.0	119.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.8	2.0	1.0	0.0	0.0	45.8
11	0.0	0.0	0.0	0.0	0.0	0.0	42.0	14.0	42.0	0.0	0.0	0.0	98.0
12	0.0	0.0	8.0	0.0	0.0	19.3	3.0	6.0	4.0	0.0	0.0	0.0	40.3
13	12.2	0.0	6.0	0.0	0.0	-999.9	7.0	0.0	0.0	0.0	0.0	0.0	25.2
14	0.0	-999.9	0.0	0.0	0.0	0.0	2.4	55.0	2.0	0.0	0.0	0.0	59.4
15	23.5	64.5	0.0	0.0	0.0	0.0	-999.9	58.0	0.0	0.0	0.0	0.0	146.0
16	0.0	8.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	-999.9	0.0	0.0	62.0
17	0.0	28.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	28.0
18	0.0	18.0	-999.9	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	22.0
19	0.0	2.0	0.0	0.0	0.0	0.0	10.6	3.0	0.0	0.0	0.0	0.0	15.6
20	0.0	0.0	1.8	0.0	0.0	0.0	15.0	-999.9	0.0	0.0	0.0	-999.9	16.8
21	0.0	0.0	0.0	4.0	0.0	0.0	0.0	34.6	0.0	0.0	0.0	0.0	38.6
22	0.0	0.0	4.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	4.0
23	0.0	1.5	0.0	0.0	0.0	-999.9	0.0	22.6	0.0	0.0	0.0	0.0	24.1
24	0.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8
25	0.0	95.0	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	95.0
26	0.0	1.0	0.0	49.0	4.0	0.0	5.0	18.0	0.0	-999.9	0.0	0.0	77.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0
28	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
29	0.0		-999.9	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	14.0	0.0	0.0	1.0	-999.9	0.0	0.0	0.0	0.0	15.0
31	-999.9		0.0		0.0		1.0	17.0		0.0			18.0
Max	23.5	95.0	44.0	49.0	13.0	19.3	55.0	106.0	47.0	6.0	0.0	0.0	457.8
Total	36.7	248.8	75.8	110.0	29.6	19.3	306.0	426.0	138.0	11.0	0.0	0.0	1401.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 1999 (56/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	11.0	36.0	0.0	0.0	0.0	0.0	47.0
2	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	4.0	9.0	0.0	0.0	0.0	13.0
3	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	7.3
4	0.0	0.0	0.0	0.0	0.0	7.0	3.0	30.0	0.0	0.0	7.0	0.0	47.0
5	1.0	0.0	9.5	0.0	-999.9	0.0	3.0	0.0	0.0	9.5	12.0	0.0	35.0
6	2.0	0.0	4.0	0.0	0.0	0.0	10.0	0.0	23.0	0.0	10.0	0.0	49.0
7	23.0	0.0	3.8	0.0	0.0	0.0	8.0	94.0	0.0	0.0	-999.9	0.0	128.8
8	-999.9	-999.9	14.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	21.0
9	0.0	-999.9	38.0	0.0	0.0	0.0	0.0	12.0	-999.9	0.0	0.0	0.0	50.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.0	0.0	0.0	-999.9	0.0	62.0
11	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
12	-999.9	0.0	0.0	2.0	2.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	49.0
13	0.0	0.0	0.0	-999.9	10.6	0.0	0.0	10.0	0.0	0.0	1.0	0.0	21.6
14	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	4.0
15	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
16	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
17	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	-999.9	0.0	0.0	0.0	88.0	0.0	0.0	0.0	0.0	0.0	88.0
19	0.0	26.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	54.0
20	-999.9	0.0	0.0	0.0	0.0	18.0	6.0	0.0	7.0	0.0	0.0	0.0	31.0
21	10.5	0.0	1.5	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
22	-999.9	0.0	0.0	0.0	1.0	0.0	-999.9	-999.9	0.0	0.0	4.0	0.0	5.0
23	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	5.0
24	17.0	0.0	-999.9	0.0	1.5	0.0	0.0	0.0	23.0	0.0	0.0	0.0	41.5
25	18.0	0.0	1.0	0.0	0.0	-999.9	-999.9	0.0	4.0	0.0	0.0	0.0	23.0
26	0.0	0.0	1.0	0.0	1.0	0.0	20.0	26.0	0.0	0.0	0.0	0.0	48.0
27	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	5.0
28	4.6	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	4.6
29	0.0	0.0	0.0	0.0	0.0	4.0	48.0	0.0	0.0	0.0	0.0	0.0	52.0
30	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	79.0	0.0	0.0	0.0	79.0
31	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	23.0	26.0	38.0	2.0	10.6	18.0	88.0	94.0	79.0	9.5	12.0	0.0	400.1
Total	83.1	28.5	72.8	2.0	16.1	33.0	232.3	334.0	145.0	9.5	35.0	0.0	991.3

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 2000 (57/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	24.0	0.0	0.0	0.0	0.0	1.0	70.0	6.0	0.0	0.0	0.0	101.0
2	0.0	18.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	30.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	-999.9	0.0	0.0	0.0	33.0
4	0.0	0.0	-999.9	0.0	0.0	0.0	'-999.9	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
6	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
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	11.0	0.0	0.0	0.0	21.0
8	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	7.0	0.0	0.0	-1.0	41.0
9	-999.9	0.0	0.0	0.0	0.0	5.0	35.0	0.0	40.0	0.0	0.0	0.0	80.0
10	0.0	24.6	0.0	0.0	0.0	0.0	1.0	31.0	8.0	0.0	0.0	0.0	64.6
11	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	30.0
12	31.0	0.0	-999.9	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	41.0
13	44.0	0.0	0.0	0.0	6.0	0.0	5.0	0.0	-999.9	0.0	0.0	0.0	55.0
14	24.0	0.0	0.0	-999.9	'-999.9	0.0	10.0	0.0	0.0	0.0	-1.0	0.0	33.0
15	9.0	0.0	0.0	-999.9	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	45.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0
17	0.0	0.0	7.0	0.0	0.0	0.0	4.0	10.0	0.0	0.0	0.0	11.0	32.0
18	0.0	-999.9	0.0	0.0	0.0	-999.9	0.0	6.0	0.0	0.0	0.0	3.0	9.0
19	-999.9	0.0	0.0	0.0	5.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	5.0
20	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
21	0.0	4.0	0.0	0.0	0.0	0.0	7.0	43.0	12.0	0.0	0.0	0.0	66.0
22	0.0	0.0	2.0	2.0	0.0	9.0	7.0	23.0	10.0	0.0	0.0	0.0	53.0
23	-999.9	0.0	0.0	'-999.9	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
24	0.0	0.0	0.0	0.0	0.0	-999.9	'-999.9	0.0	0.0	0.0	-1.0	0.0	-1.0
25	1.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	1.0
26	18.0	0.0	0.0	'-999.9	0.0	0.0	50.0	0.0	35.0	0.0	0.0	0.0	103.0
27	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
28	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
29	0.0	0.0	-999.9	'-999.9	0.0	6.0	0.0	82.0	0.0	0.0	0.0	0.0	88.0
30	0.0	0.0	0.0	-999.9	0.0	9.0	2.0	-999.9	0.0	0.0	0.0	0.0	11.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	15.0
Max	44.0	24.6	7.0	2.0	6.0	9.0	50.0	82.0	40.0	0.0	0.0	11.0	275.6
Total	129.0	70.6	10.0	2.0	11.0	29.0	207.0	381.0	129.0	0.0	-2.0	13.0	979.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT CHAKLALA STATION IN 2001 (58/58)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1.0	-999.9	0.0	-999.9	-999.9	-999.9	0.0	63.0	0.0	0.0	0.0	0.0	0.0	63.0
2.0	0.0	0.0	0.0	0.0	1.0	0.0	14.0	0.0	-999.9	0.0	1.0	0.0	16.0
3.0	0.0	0.0	0.0	0.0	0.0	21.0	3.0	0.0	0.0	0.0	6.0	0.0	30.0
4.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	11.0	0.0	14.0	-999.9	-999.9	31.0
5.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0	0.0	0.0	0.0	0.0	0.0	1.0	68.0	1.0	0.0	0.0	0.0	0.0	70.0
8.0	0.0	0.0	0.0	0.0	2.0	0.0	40.0	31.0	-999.9	0.0	0.0	0.0	73.0
9.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	8.0	0.0	0.0	0.0	0.0	8.0
10.0	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0
11.0	0.0	0.0	0.0	0.0	0.0	0.0	89.0	1.0	0.0	0.0	0.0	-999.9	90.0
12.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	3.0	19.0	0.0	-999.9	33.0
13.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
14.0	0.0	0.0	-999.9	-999.9	2.0	32.0	-999.9	0.0	41.0	0.0	0.0	-999.9	75.0
15.0	0.0	0.0	0.0	0.0	0.0	30.0	2.0	81.0	0.0	0.0	0.0	0.0	113.0
16.0	0.0	0.0	0.0	13.5	0.0	-999.9	53.0	2.0	0.0	0.0	0.0	0.0	68.5
17.0	0.0	-999.9	0.0	0.0	0.0	24.0	10.0	0.0	0.0	0.0	0.0	0.0	34.0
18.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
19.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
20.0	0.0	0.0	1.0	-999.9	6.0	0.0	0.0	2.0	-999.9	0.0	0.0	0.0	9.0
21.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
22.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	4.0	0.0	0.0	0.0	0.0	4.0
23.0	-999.9	1.0	0.0	0.0	0.0	2.0	-999.9	65.0	0.0	0.0	0.0	0.0	68.0
24.0	0.0	1.0	0.0	0.0	-999.9	17.0	200.0	0.0	0.0	0.0	0.0	0.0	218.0
25.0	0.0	0.0	0.0	-999.9	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	19.0
26.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
27.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
28.0	0.0	0.0	3.0	-999.9	0.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	41.0
29.0	0.0		28.0	0.0	4.5	0.0	36.0	0.0	0.0	0.0	0.0	0.0	68.5
30.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
31.0	0.0		2.0		0.0		0.0	1.0					3.0
Max	0.0	2.0	28.0	13.5	6.0	32.0	200.0	81.0	41.0	19.0	6.0	2.0	430.5
Total	0.0	4.0	40.0	24.2	16.5	153.0	646.0	207.0	44.0	33.0	7.0	2.0	1176.7

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

1.2 DAILY RAINFALL AT ISLAMABAD STATION

DAILY RAINFALL AT ISLAMABAD STATION IN 1983 (1/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	2.5	0.0	10.4	0.0	0.0	0.5	2.3	0.0	1.5	0.0	0.0	0.0	17.2
2	0.0	0.0	3.8	0.0	0.0	1.8	34.3	36.3	94.3	0.0	0.0	0.0	170.5
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	2.0	0.0	0.0	11.7
4	0.0	0.0	0.0	9.7	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	14.0
5	0.0	0.0	0.0	2.3	0.0	0.0	8.9	0.9	0.0	0.0	0.0	0.0	12.1
6	-999.9	0.0	0.0	0.0	0.0	0.0	4.1	-999.9	0.0	0.0	2.8	0.0	6.9
7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	4.1
8	0.0	0.0	0.8	20.3	0.0	0.0	1.0	3.2	0.8	0.0	0.0	0.0	26.1
9	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
10	-999.9	0.0	2.8	2.9	5.1	15.7	0.0	25.1	9.4	0.0	0.0	0.0	61.0
11	0.0	0.0	7.4	24.2	1.5	0.0	33.0	7.3	13.5	0.0	0.0	0.0	86.9
12	0.0	0.0	0.0	18.0	0.0	0.0	1.5	9.9	0.0	0.0	0.0	0.0	29.4
13	0.0	0.0	0.0	48.8	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	64.8
14	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	0.0	0.0	20.1
15	2.0	4.3	0.0	7.1	0.0	0.0	0.0	1.8	0.0	-999.9	0.0	-999.9	15.2
16	-999.9	0.0	0.0	78.7	0.0	-999.9	0.0	0.0	63.0	0.0	0.0	0.0	141.7
17	0.0	0.0	0.0	6.0	0.0	3.6	28.2	0.0	0.0	0.0	0.0	0.0	37.8
18	0.0	0.0	1.3	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	8.5
19	0.0	0.0	7.1	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	7.1
20	0.0	0.0	12.4	0.0	21.3	0.0	22.6	28.4	0.0	16.0	0.0	0.0	100.7
21	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.5	0.0	0.0	2.0
22	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	3.6
23	0.0	2.3	0.0	0.0	0.0	0.0	38.1	28.4	0.0	0.0	0.0	0.0	68.8
24	0.0	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9
25	0.0	0.0	10.4	0.0	0.0	0.0	0.0	17.8	11.2	0.0	0.0	0.0	39.4
26	0.0	0.0	7.3	8.7	0.0	0.0	55.9	172.2	0.0	0.0	0.0	0.0	244.1
27	60.4	0.0	0.0	0.0	0.0	24.9	10.0	0.0	0.0	0.0	0.0	0.0	95.3
28	39.6	0.0	0.0	0.0	-999.9	0.0	0.0	11.7	0.0	0.0	0.0	0.0	51.3
29	11.4	0.0	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	11.4
30	9.1	0.0	0.0	2.5	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	16.4
31	5.1	0.0	0.0	0.0	-999.9	0.0	0.0	16.7	0.0	0.0	0.0	0.0	21.8
Max	60.4	28.9	12.4	78.7	21.3	24.9	55.9	172.2	94.3	18.1	2.8	0.0	569.9
Total	130.6	37.5	67.3	231.5	27.9	46.5	247.6	388.4	203.4	37.6	2.8	0.0	1421.1

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1984 (2/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	7.6	0.0	0.0	0.0	24.7	1.0	0.0	0.0	0.0	33.3
2	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
3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0	1.0
4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	8.9	23.9	0.0	0.0	0.0	33.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	22.6
6	1.5	0.0	0.0	-999.9	0.0	0.0	13.5	0.0	26.4	0.0	0.0	0.0	41.4
7	0.0	-999.9	0.0	0.0	0.0	0.0	-999.9	0.0	17.8	0.0	0.0	0.0	17.8
8	0.0	0.0	0.0	0.0	0.0	0.0	54.1	0.0	0.0	0.0	0.0	0.0	54.1
9	0.0	0.0	0.0	0.0	0.0	0.0	4.1	38.6	0.0	0.0	-999.9	0.0	42.7
10	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
11	0.0	0.0	0.0	0.0	4.6	40.6	0.0	0.0	0.0	0.0	0.0	0.0	45.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.8	11.4	0.0	0.0	0.0	0.0	12.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	8.5	18.5
14	0.0	0.0	0.0	0.0	2.8	0.0	0.0	82.3	11.4	0.0	0.0	0.0	96.5
15	0.0	0.0	0.0	0.0	0.0	0.0	1.3	29.0	0.0	0.0	0.0	0.0	30.3
16	0.0	0.0	-999.9	0.0	6.8	0.0	12.0	8.2	0.0	0.0	0.0	0.0	27.0
17	0.0	0.0	11.7	0.0	0.0	0.0	51.9	2.5	0.0	0.0	7.9	0.0	74.0
18	0.0	15.7	64.4	0.0	0.0	0.0	15.8	0.8	10.9	0.0	0.0	0.0	107.6
19	-999.9	12.7	7.9	0.0	0.0	0.0	0.0	25.2	0.5	0.0	0.0	0.0	46.3
20	0.0	45.3	0.0	0.0	0.0	0.0	0.0	0.8	5.3	0.0	0.0	0.0	51.4
21	0.0	15.4	0.0	1.5	0.0	0.0	6.1	0.6	0.0	0.0	-999.9	0.0	23.6
22	0.0	0.0	0.0	0.0	0.0	0.0	2.8	23.3	0.0	0.0	1.0	0.0	27.1
23	0.0	0.0	0.0	0.0	0.0	7.4	1.6	2.5	0.0	0.0	2.5	0.0	14.0
24	0.0	0.0	0.0	0.0	0.0	0.0	47.5	31.0	0.5	0.0	0.0	0.0	79.0
25	0.0	0.0	12.7	0.0	0.0	0.0	0.0	39.7	0.0	0.0	0.0	0.0	52.4
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	9.1
27	0.0	0.0	0.0	0.0	0.0	18.0	1.8	21.3	0.0	0.0	0.0	0.0	41.1
28	0.0	0.0	0.0	0.0	0.0	81.8	33.3	11.4	0.0	1.3	0.0	0.0	127.8
29	0.0	0.0	0.0	0.0	0.0	67.9	75.0	4.8	0.0	0.0	0.0	0.0	147.7
30	0.0	0.0	0.0	0.0	0.0	6.6	4.3	0.0	0.0	0.0	0.0	0.0	10.9
31	0.0	0.0	2.5	0.0	0.0	0.0	0.0	27.9	0.0	0.0	0.0	1.5	31.9
Max	1.5	45.3	64.4	7.6	6.8	81.8	75.0	82.3	26.4	1.3	7.9	8.5	408.8
Total	1.5	89.4	99.2	9.1	14.2	222.3	326.4	436.6	98.2	1.3	11.4	10.0	1319.6

Note: --999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1985 (3/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	7.6	0.0	13.5	14.0	0.0	0.0	0.0	0.0	35.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
4	0.0	2.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
5	11.5	3.3	0.0	0.0	0.0	0.0	0.0	15.7	20.8	16.8	0.0	0.0	68.1
6	1.1	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.8	2.0	0.0	0.0	9.7
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	8.2	0.0	0.0	31.4
8	0.0	0.0	0.0	7.5	-999.9	0.0	150.1	-999.9	0.0	0.0	0.0	25.1	182.7
9	0.0	0.0	0.0	14.4	4.6	0.0	18.1	0.0	0.0	12.2	0.0	0.0	49.3
10	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	6.1	0.0	0.0	9.4
11	0.0	0.0	0.0	0.0	2.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	6.3
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	1.3	10.4
13	0.0	0.0	0.0	-999.9	1.5	2.6	56.4	0.0	0.0	0.0	0.0	0.8	61.3
14	0.0	0.0	0.0	4.1	0.0	0.0	88.1	0.0	4.8	0.0	0.0	0.0	97.0
15	0.0	0.0	0.0	0.0	0.0	0.0	11.9	20.6	13.5	0.0	0.0	0.0	46.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	3.1	3.1
17	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
18	0.3	0.0	9.4	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	16.9
19	5.1	0.0	0.0	0.0	0.0	0.0	0.8	11.7	1.0	0.0	0.0	0.0	18.6
20	0.0	0.0	0.0	0.0	0.0	0.0	2.5	9.4	-999.9	0.0	0.0	0.0	11.9
21	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
22	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3
23	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	24.4	0.0	0.0	0.0	0.0	24.4
24	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	15.7	13.0	0.0	0.0	0.0	28.7
25	0.0	0.0	0.0	0.0	3.0	0.0	98.6	47.2	0.0	0.0	0.0	38.4	187.2
26	28.7	0.0	3.0	0.0	0.0	0.0	8.4	0.0	1.8	0.0	0.0	23.3	65.2
27	0.5	0.0	1.5	0.0	0.0	0.0	0.0	13.7	0.0	0.0	0.0	49.8	65.5
28	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
29	0.0	0.0	0.0	0.0	0.0	2.5	0.8	0.0	0.0	0.0	0.0	0.0	3.3
30	0.0	0.0	-999.9	0.0	0.0	0.0	76.9	0.0	0.0	0.0	0.0	0.0	76.9
31	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	18.5
Max	28.7	3.3	9.4	14.4	7.6	2.6	150.1	47.2	20.8	16.8	0.0	49.8	350.7
Total	50.0	5.3	17.5	35.3	22.0	5.1	553.1	213.0	55.7	45.3	0.0	141.8	1144.1

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1986 (4/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	0.0	0.0	0.0	0.0	24.6
2	0.0	0.0	0.0	0.0	0.8	0.0	0.0	17.7	0.0	2.5	0.0	0.0	21.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
4	0.0	1.5	0.0	0.0	0.0	0.0	0.0	28.4	0.0	0.0	0.0	0.0	29.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.5	0.0	0.0	0.0	4.8
7	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
8	0.0	0.0	0.0	0.0	-999.9	0.0	4.9	-999.9	0.0	0.0	0.0	0.0	4.9
9	0.0	0.0	0.0	0.0	25.2	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	25.2
10	0.0	14.7	0.0	0.0	0.0	0.0	0.5	34.3	0.0	0.0	0.0	0.0	49.5
11	0.0	54.0	0.0	0.0	9.9	0.0	51.6	0.0	0.0	0.0	0.0	0.0	115.5
12	0.0	10.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	31.8
13	0.0	38.1	4.1	0.0	0.0	3.8	0.0	0.0	5.6	5.6	0.0	1.5	58.7
14	0.0	1.0	4.1	0.0	0.0	0.0	0.0	54.3	12.7	0.0	0.0	15.1	87.2
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	7.6	18.6	0.5	0.0	28.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.7	0.0	11.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	5.8
18	0.0	22.6	0.0	0.0	0.0	0.0	52.8	3.8	0.0	0.0	0.0	0.0	79.2
19	0.0	0.0	0.0	0.0	1.6	0.0	11.9	42.4	0.0	0.0	0.0	8.7	64.6
20	0.0	-999.9	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
21	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
22	12.6	0.0	0.0	0.0	0.0	0.0	29.2	31.2	0.0	0.0	0.0	0.0	73.0
23	-999.9	0.0	0.0	0.0	0.0	19.1	0.0	0.0	0.0	0.0	0.0	0.0	19.1
24	0.0	0.0	0.0	0.0	0.0	15.9	-999.9	0.0	0.0	0.0	0.0	0.0	15.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0
26	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	40.3	0.0	23.8	0.0	64.9
27	0.0	0.0	0.8	0.0	0.0	9.2	0.0	12.7	3.6	0.0	7.8	0.0	34.1
28	0.0	0.0	0.3	0.0	3.6	0.0	3.5	0.0	1.5	0.0	0.0	0.0	8.9
29	0.0	0.0	0.0	0.0	0.5	11.2	0.0	0.0	55.9	0.0	0.0	0.0	67.6
30	0.0	0.0	0.0	2.0	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8
31	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
Max	12.6	54.0	4.1	2.0	25.2	19.1	52.8	54.3	55.9	18.6	23.8	20.8	343.2
Total	12.6	142.4	12.1	2.3	63.4	59.2	155.4	260.1	132.7	33.5	42.8	46.1	962.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1987 (5/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
2	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	7.6	0.0	13.2	23.1
3	0.0	0.0	0.0	9.6	0.8	8.4	0.0	0.0	0.0	11.9	0.0	0.0	30.7
4	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
6	0.8	0.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
7	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
8	0.0	0.0	1.5	0.0	86.7	0.0	2.5	4.5	0.0	0.0	0.0	0.0	95.2
9	0.0	0.0	0.0	12.1	43.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	62.4
10	0.0	0.0	0.0	10.9	33.8	13.2	0.0	0.0	6.3	0.0	0.0	0.0	64.2
11	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	49.3	0.0	0.0	49.3
12	0.0	0.0	0.0	0.0	0.0	0.0	26.4	22.9	-999.9	40.6	0.0	0.0	89.9
13	0.0	0.0	12.7	0.0	0.0	0.0	0.0	31.7	0.0	0.0	0.0	0.0	44.4
14	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	2.0
15	0.0	0.0	1.8	0.0	0.0	-999.9	0.0	0.3	0.0	0.0	0.0	0.0	2.1
16	0.0	3.0	13.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	20.1
17	0.0	6.4	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.5	0.0	0.0	27.5
18	0.0	9.4	0.0	0.0	0.0	0.0	0.0	20.6	0.0	5.8	0.0	0.0	35.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8
20	0.0	0.0	13.7	0.0	2.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	23.9
21	0.0	0.0	16.0	0.0	1.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	34.5
22	0.0	0.0	4.6	0.0	1.5	0.0	0.0	22.1	0.0	0.0	0.0	0.0	28.2
23	0.0	0.0	6.9	4.6	10.9	0.0	0.0	8.2	0.0	0.0	0.0	0.0	30.6
24	0.0	43.9	0.0	-999.9	0.0	0.0	-999.9	44.0	0.0	0.0	0.0	0.0	87.9
25	0.0	48.9	0.0	0.0	0.0	0.0	1.8	49.6	0.0	0.0	0.0	0.0	100.3
26	0.0	0.0	7.1	0.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0	0.0	29.5
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	10.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	7.9
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4
30	0.0	0.0	0.0	5.3	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
31	0.0	0.0	0.0	0.0	0.0	0.0	7.4	14.0	0.0	0.0	0.0	0.0	21.4
Max	1.0	48.9	16.0	12.1	86.7	13.2	26.4	49.6	6.3	49.3	0.0	13.2	322.7
Total	1.8	111.6	89.5	49.9	186.4	40.6	81.1	263.4	6.3	115.7	0.0	13.2	959.5

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1988 (6/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	3.8	0.0	0.0	68.8	0.0	0.0	0.0	0.0	72.6
2	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
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	14.2
4	0.0	0.0	0.0	0.0	0.0	0.0	21.1	0.0	0.0	22.8	0.0	0.0	43.9
5	0.0	0.0	0.0	0.0	0.0	-999.9	64.0	0.0	0.0	0.0	0.0	0.0	64.0
6	0.0	0.0	0.0	0.0	0.0	0.0	23.9	3.0	0.0	0.0	0.0	0.0	26.9
7	0.0	0.0	11.7	0.0	0.0	0.0	15.0	16.8	0.0	0.0	0.0	0.0	43.5
8	0.0	7.4	19.5	0.0	0.0	2.0	0.0	35.2	0.0	0.0	0.0	0.0	64.1
9	0.0	0.0	0.0	0.0	0.0	2.8	0.0	24.6	12.4	0.5	0.0	0.0	40.3
10	0.0	0.0	63.5	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	63.5
11	0.0	0.0	56.9	0.0	0.0	0.0	71.8	8.6	0.0	0.0	0.0	0.0	137.3
12	0.0	0.0	63.7	0.0	0.0	0.0	0.0	26.7	0.0	0.0	0.0	0.0	90.4
13	0.0	0.0	6.8	0.0	0.0	0.0	56.4	22.1	0.0	0.0	0.0	0.0	85.3
14	0.0	0.0	0.0	0.0	0.0	-999.9	63.8	98.8	0.0	0.0	0.0	0.0	162.6
15	0.0	0.0	0.0	0.0	0.0	0.0	63.1	0.0	0.0	0.0	0.0	0.0	63.1
16	0.0	0.0	5.3	0.0	0.0	3.3	29.9	0.0	52.6	0.0	0.0	0.0	91.1
17	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	6.6
18	0.0	0.0	-999.9	0.0	0.0	7.6	0.0	43.2	6.8	0.0	0.0	1.8	59.4
19	0.0	0.0	-999.9	0.0	0.0	0.0	37.1	0.0	0.0	0.0	0.0	11.9	49.0
20	0.0	-999.9	0.0	0.0	0.0	0.0	10.9	6.6	0.0	0.0	0.0	7.9	25.4
21	0.0	4.8	0.0	0.0	0.0	0.0	135.9	-999.9	0.0	0.0	0.0	-999.9	140.7
22	14.4	0.0	0.0	0.0	0.0	10.6	39.3	1.3	17.0	0.0	0.0	11.9	94.5
23	0.0	0.0	0.0	0.0	0.0	10.9	4.1	0.0	0.0	0.0	0.0	44.9	59.9
24	0.0	0.0	0.0	9.9	0.0	0.0	24.1	0.0	0.0	0.0	-999.9	0.0	34.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	0.0	0.0	0.0	17.3
26	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
27	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8
28	3.8	38.1	0.0	0.0	5.8	0.0	2.5	0.0	0.0	0.0	0.0	0.0	50.2
29	6.1	0.0	0.0	0.0	0.0	40.5	0.0	0.0	0.0	0.0	0.0	0.0	46.6
30	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
31	0.0	0.0	0.0	0.0	0.0	0.0	99.0	0.0	0.0	0.0	0.0	0.0	99.0
Max	14.4	38.1	63.7	9.9	5.8	40.5	135.9	98.8	52.6	22.8	0.0	44.9	527.4
Total	24.3	50.3	241.6	9.9	9.6	77.7	769.5	372.7	106.1	23.3	0.0	78.4	1763.4

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1989 (7/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	13.2	2.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	15.5
2	0.0	0.0	0.0	0.0	8.1	0.0	9.1	6.3	0.0	0.0	0.0	0.0	23.5
3	3.5	-999.9	0.0	0.0	0.0	0.0	7.6	1.0	0.0	0.0	2.5	0.0	14.6
4	0.0	0.0	0.0	-999.9	0.0	0.0	62.5	0.0	0.0	0.0	0.0	0.0	62.5
5	13.4	6.3	0.0	0.0	0.0	0.0	-999.9	5.1	0.0	0.0	0.0	0.0	24.8
6	69.3	0.0	0.0	0.0	0.0	0.0	1.0	-999.9	0.0	0.0	0.0	0.0	70.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6
9	0.0	0.0	6.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	8.1
10	0.0	0.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9
11	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	1.5	1.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	5.1	2.3	0.0	0.0	7.4
13	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	7.9	0.0	0.0	10.7
14	0.0	3.9	-999.9	0.0	0.0	-999.9	32.5	47.3	0.0	0.0	0.0	0.0	83.7
15	0.0	0.0	-999.9	0.0	0.0	7.1	43.2	0.0	0.0	0.0	0.0	0.0	50.3
16	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
17	0.0	8.3	0.0	0.3	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
18	0.0	0.0	14.9	0.0	1.3	-999.9	0.0	0.0	0.0	0.0	-999.9	-999.9	16.2
19	0.0	0.0	2.3	1.5	0.0	0.0	0.0	1.8	0.0	0.0	-999.9	0.0	5.6
20	-999.9	0.0	9.6	0.0	0.0	1.4	0.0	78.7	0.0	0.0	0.0	16.0	105.7
21	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	27.1	-999.9	0.0	0.0	13.3	40.4
22	0.0	0.0	7.9	0.0	0.0	0.0	0.0	21.6	16.5	0.0	0.0	0.0	46.0
23	0.0	0.0	7.4	0.0	0.0	0.0	0.0	2.8	10.7	0.0	0.5	1.3	22.7
24	0.0	0.0	0.0	0.0	-999.9	0.0	4.0	1.8	0.0	0.0	0.0	14.6	20.4
25	0.0	0.0	0.0	2.3	0.5	0.0	7.3	0.0	0.0	0.0	1.1	0.3	11.5
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	0.0	0.0	0.0	3.6	35.9
27	0.0	0.0	0.8	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	3.1
28	0.0	0.0	23.8	0.0	0.0	32.3	0.0	1.8	0.0	0.0	0.0	0.0	57.9
29	0.0	0.0	0.0	0.0	0.0	5.8	80.2	0.0	0.0	0.0	0.0	0.0	86.0
30	0.0	0.0	-999.9	0.0	0.0	-999.9	80.8	-999.9	0.0	0.0	0.0	0.0	80.8
31	0.0	0.0	6.0	0.0	0.0	0.0	135.7	0.0	0.0	0.0	0.0	0.0	141.7
Max	69.3	8.3	23.8	13.2	8.1	32.3	135.7	78.7	16.5	7.9	2.5	16.0	412.3
Total	86.2	18.5	93.2	18.3	11.9	46.6	466.7	230.2	32.3	10.2	4.1	57.7	1075.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1990 (8/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.8	2.0	0.0	0.0	0.0	28.2	2.5	0.0	0.0	3.8	0.0	37.3
2	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	30.5	0.0	0.0	2.1	0.0	32.6
3	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
4	0.0	0.0	0.0	0.0	0.0	0.0	30.2	0.0	0.0	0.0	0.0	0.0	30.2
5	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	41.0	0.0	0.0	0.0	41.0
6	-999.9	0.0	0.0	3.3	0.0	0.0	58.2	3.3	19.6	0.0	0.0	0.0	84.4
7	4.9	4.2	0.0	33.4	0.0	-999.9	0.0	0.3	0.0	0.0	0.0	0.0	42.8
8	0.0	17.2	0.0	6.3	0.0	0.0	0.0	71.9	0.0	0.0	0.0	0.0	95.4
9	0.0	0.0	1.0	0.0	0.0	10.2	0.0	120.4	0.0	0.0	0.0	0.0	131.6
10	0.0	0.0	6.6	0.0	0.0	-999.9	43.2	24.6	0.0	0.0	0.0	0.0	74.4
11	0.0	0.0	54.6	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6
12	-999.9	0.0	-999.9	1.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	1.0
13	-999.9	17.8	0.0	3.3	0.0	19.3	1.0	121.4	0.0	-999.9	0.0	-999.9	162.8
14	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	9.7
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	28.9	29.4
16	0.0	0.0	-999.9	2.8	0.5	0.0	-999.9	1.3	0.0	0.0	0.0	32.3	36.9
17	0.0	0.0	22.1	8.1	0.0	0.0	1.5	0.0	0.0	2.5	0.0	22.9	57.1
18	2.3	0.0	14.5	0.0	-999.9	0.0	21.0	0.0	0.0	21.4	0.0	0.0	59.2
19	-999.9	0.0	1.0	0.0	0.5	0.0	0.0	33.0	17.8	0.0	1.5	0.0	53.8
20	0.0	0.0	30.2	0.0	0.0	0.0	-999.9	23.3	5.9	0.0	0.5	0.0	59.9
21	0.0	0.0	7.1	0.0	0.0	0.0	13.5	0.0	-999.9	0.0	0.0	0.0	20.6
22	2.0	0.0	12.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	15.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.4	-999.9	0.0	0.0	0.0	60.4
24	0.0	9.1	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	14.5	23.6
25	0.0	23.9	0.0	0.0	0.0	2.5	2.6	19.6	11.9	0.0	0.0	0.0	60.5
26	0.0	15.0	0.0	1.5	0.0	9.4	43.4	4.8	0.0	0.0	0.0	0.0	74.1
27	28.9	6.1	0.0	0.0	0.0	0.0	22.1	0.0	0.0	0.0	0.0	4.8	61.9
28	3.8	19.5	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	26.0	67.1
29	0.0	0.0	24.9	0.0	0.0	0.0	-999.9	44.4	0.0	0.0	0.0	31.0	100.3
30	0.0	0.0	1.8	0.0	0.0	0.8	5.3	4.0	22.1	0.0	0.0	1.3	35.3
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	-999.9	0.0	-999.9	11.4
Max	28.9	23.9	54.6	33.4	1.3	19.3	58.2	121.4	41.0	21.4	3.8	32.3	439.5
Total	41.9	123.3	178.3	59.7	2.3	42.2	288.0	577.6	118.8	23.9	7.9	161.7	1625.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1991 (9/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	23.1	12.2	0.0	0.0	0.0	35.3
2	0.0	0.0	0.3	18.1	0.0	0.0	0.0	2.3	7.4	0.0	0.0	0.0	28.1
3	0.0	0.0	4.1	4.0	-999.9	0.0	-999.9	0.0	0.6	0.0	0.0	0.0	8.7
4	0.0	0.0	36.3	2.0	0.0	0.0	0.0	17.2	2.1	0.0	0.0	0.0	57.6
5	0.0	-999.9	7.1	0.0	-999.9	0.0	0.0	9.6	6.5	0.0	0.0	-999.9	23.2
6	0.0	1.0	0.0	9.1	1.0	0.0	6.8	3.0	81.2	0.0	0.0	0.0	102.1
7	0.0	1.0	0.0	-999.9	-999.9	0.0	0.0	1.0	30.0	0.0	0.0	-999.9	32.0
8	-999.9	-999.9	1.1	2.0	0.5	0.0	0.0	0.8	0.0	0.0	0.0	0.0	4.4
9	0.0	4.0	3.6	29.9	0.0	0.0	0.0	59.7	0.0	0.0	0.0	0.4	97.6
10	0.0	34.2	0.0	4.4	0.3	11.1	0.0	12.7	0.4	0.0	0.0	0.0	63.1
11	0.0	29.0	0.0	0.0	0.5	20.3	0.0	0.0	3.5	0.0	0.0	0.0	53.3
12	3.3	3.8	5.1	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	12.2
13	0.0	0.0	0.0	15.2	-999.9	0.0	51.0	0.0	0.0	0.0	0.0	0.0	66.2
14	0.0	1.8	-999.9	29.8	0.0	0.0	40.3	0.0	0.0	1.4	0.0	0.0	73.3
15	0.0	13.5	0.0	21.1	0.0	0.5	0.0	0.0	77.0	9.1	0.0	0.0	121.2
16	0.0	0.0	0.0	0.0	-999.9	13.0	0.0	0.0	0.9	0.0	0.0	0.0	13.9
17	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	18.3	0.0	0.0	0.0	18.3
18	0.0	0.0	7.4	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	41.4
19	0.0	0.0	11.1	0.0	0.0	7.3	0.0	67.6	0.0	0.0	0.0	0.0	86.0
20	0.0	0.0	0.0	0.0	0.8	5.6	35.6	88.2	0.0	0.0	0.0	0.0	130.2
21	0.0	0.0	0.0	0.0	26.9	0.3	31.2	6.1	0.0	0.0	0.0	2.3	66.8
22	0.0	0.0	3.3	-999.9	2.8	-999.9	0.0	0.0	0.0	0.0	0.0	21.5	27.6
23	0.0	0.0	14.8	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8
24	0.0	2.5	8.9	0.0	2.3	0.0	0.0	3.6	0.0	0.0	0.0	0.0	17.3
25	-999.9	5.1	0.0	0.0	0.0	-999.9	7.6	0.0	0.0	0.0	0.0	1.6	14.3
26	4.6	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	3.6	0.0	0.0	-999.9	8.2
27	2.1	-999.9	0.0	-999.9	-999.9	0.0	0.0	-999.9	7.5	0.0	0.0	0.0	9.6
28	3.6	3.0	0.0	0.0	0.0	0.0	0.0	0.5	-999.9	0.0	0.0	-999.9	7.1
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	20.0	5.4	7.1	0.0	13.1	0.0	45.6
31	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
Max	4.6	34.2	36.3	29.9	26.9	20.3	51.0	88.2	81.2	9.1	13.1	21.5	416.3
Total	13.6	98.9	103.1	135.6	35.1	58.1	229.5	300.8	258.3	10.5	13.1	25.8	1282.4

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1992 (10/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	7.7	0.0	7.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	21.3
2	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-999.9	0.0	0.0	2.4
3	0.0	0.0	0.0	0.0	15.2	1.5	0.0	93.8	27.1	1.5	0.0	0.0	139.1
4	-999.9	0.0	0.0	5.3	1.8	0.0	0.0	5.3	-999.9	0.0	0.0	-999.9	12.4
5	0.0	0.0	0.0	0.0	5.2	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	5.2
6	0.0	9.7	1.5	3.0	0.0	0.0	0.0	-999.9	-999.9	-999.9	0.0	0.0	14.2
7	0.7	26.6	0.0	-999.9	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	59.3
8	2.4	1.6	0.0	0.0	0.0	0.0	0.0	32.9	1.0	-999.9	0.0	0.0	37.9
9	0.0	0.0	0.0	0.0	1.9	0.0	15.3	18.5	97.7	-999.9	0.0	0.0	133.4
10	5.8	0.0	1.0	12.4	0.0	0.0	3.1	0.0	207.7	0.0	0.0	0.0	230.0
11	11.6	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	12.4
12	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	10.3
13	0.0	114.4	2.6	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0	130.6
14	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	9.4
15	0.0	0.0	0.0	-999.9	-999.9	1.0	11.0	0.0	7.2	0.0	0.0	0.0	19.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.2	0.0	0.0	0.0	0.0	7.0
17	0.0	0.0	0.0	-999.9	10.2	0.0	9.1	59.6	42.0	0.0	0.0	0.0	120.9
18	0.0	0.0	0.0	7.3	0.0	0.0	0.0	8.8	3.6	0.0	0.0	0.0	19.7
19	0.0	0.0	0.0	-999.9	-999.9	0.0	-999.9	0.4	0.0	4.5	-999.9	0.0	4.9
20	0.0	1.0	3.6	1.5	-999.9	0.0	1.0	0.0	0.0	0.0	40.5	0.0	47.6
21	0.0	0.0	12.1	4.4	0.0	12.0	7.4	0.0	0.0	0.0	0.0	0.0	35.9
22	0.0	0.0	3.8	2.2	0.0	3.9	-999.9	4.3	0.0	0.0	0.0	0.0	14.2
23	-999.9	0.0	31.6	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	31.6
24	13.5	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7
25	2.3	0.0	9.1	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	13.5
26	1.1	0.0	33.0	0.0	2.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	36.1
27	17.3	-999.9	36.1	0.0	15.4	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	68.8
28	5.5	-999.9	0.0	0.0	1.0	-999.9	0.0	36.2	0.0	0.0	0.0	0.0	42.7
29	19.0	5.2	0.9	15.6	1.1	5.6	8.5	-999.9	0.0	0.0	0.0	0.0	55.9
30	133.2	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	-999.9	139.4
31	6.5	0.0	0.0	0.0	7.8	0.0	38.8	0.0	0.0	0.0	0.0	-999.9	53.1
Max	133.2	114.4	36.1	15.6	15.4	12.0	38.8	93.8	207.7	4.5	40.5	9.7	721.7
Total	218.9	158.5	151.6	51.7	68.6	24.0	135.3	266.0	418.3	6.0	40.5	9.7	1549.1

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1993 (11/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	14.6	0.0	0.0	0.0	8.0	9.4	0.0	27.3	11.8	0.0	0.0	0.0	71.1
2	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	10.1	1.0	0.0	0.0	0.0	11.1
3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	17.0	0.0	0.0	0.0	39.4
4	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	14.0	25.0	0.0	0.0	0.0	39.0
5	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	61.2	0.0	0.0	0.0	71.9
6	2.3	0.0	-999.9	0.0	0.0	0.0	1.8	0.0	10.1	0.0	1.0	0.0	15.2
7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	40.1	12.8	0.0	0.0	0.0	53.4
8	0.0	0.0	0.0	-999.9	0.0	0.0	88.8	-999.9	3.0	0.0	0.0	0.0	91.8
9	0.0	0.0	0.0	0.0	-999.9	0.0	2.1	0.0	-999.9	-999.9	-999.9	0.0	2.1
10	-999.9	0.0	0.0	0.0	7.0	0.0	30.7	56.0	0.0	0.0	0.0	0.0	93.7
11	0.3	0.0	25.9	0.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
12	0.0	0.0	35.5	0.5	0.0	0.0	-999.9	4.2	5.3	0.0	0.0	0.0	45.5
13	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	11.0
14	0.0	0.0	-999.9	3.7	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	7.0
15	0.0	0.0	0.0	13.9	-999.9	29.0	0.0	18.2	0.0	0.0	0.0	0.0	61.1
16	9.8	4.0	0.0	4.0	3.3	-999.9	13.5	0.0	0.0	0.0	0.0	0.0	34.6
17	3.8	13.9	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	17.7
18	0.0	0.5	0.0	0.0	1.9	0.0	26.0	0.0	0.0	0.0	-999.9	0.0	28.4
19	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5
21	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
22	0.0	0.0	-999.9	1.8	-999.9	0.0	19.3	0.0	0.0	0.0	0.0	0.0	21.1
23	0.0	0.0	39.2	0.0	0.0	0.0	37.3	0.0	0.0	0.0	0.0	0.0	76.5
24	0.0	0.0	64.4	0.0	0.0	37.5	-999.9	0.0	1.2	0.0	0.0	0.0	103.1
25	0.0	18.5	-999.9	0.0	0.0	15.2	4.1	0.0	0.0	0.0	0.0	0.0	37.8
26	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
27	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	3.4
29	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
30	0.0	0.0	-999.9	-999.9	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2
31	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Max	14.6	18.5	64.4	13.9	13.2	37.5	88.8	56.0	61.2	0.0	1.0	0.0	369.1
Total	32.3	39.9	174.8	24.4	38.2	119.1	234.3	193.8	162.9	0.0	1.0	0.0	1020.7

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1994 (12/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	1.2	0.0	65.1	0.0	5.2	0.0	0.0	0.0	71.5
2	0.0	0.0	0.0	0.0	0.3	0.0	2.5	0.0	21.0	0.0	0.0	0.0	23.8
3	0.0	0.0	2.0	0.0	0.0	0.0	15.0	0.0	2.0	0.0	0.0	0.0	19.0
4	-999.9	0.0	0.2	8.3	0.0	0.0	174.8	74.8	9.6	0.0	-999.9	0.0	267.7
5	0.0	20.4	0.0	28.1	0.0	0.0	0.0	16.7	1.3	2.5	0.0	0.0	69.0
6	0.0	0.0	0.0	14.3	0.0	0.0	0.0	14.6	-999.9	6.5	0.0	8.0	43.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	6.5	15.3
8	1.5	0.0	0.0	0.0	4.0	0.0	10.5	77.3	0.0	0.0	0.0	38.9	132.2
9	0.0	0.0	0.0	0.0	0.0	0.5	4.9	50.4	0.0	0.0	0.0	0.0	55.8
10	0.0	0.0	0.0	-999.9	0.0	3.0	0.0	162.0	18.0	0.0	0.0	0.0	183.0
11	0.0	0.0	0.0	1.0	0.0	0.2	43.0	11.9	0.0	10.2	0.0	0.0	66.3
12	0.4	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	-999.9	-999.9	2.6	0.0	3.0
13	3.0	0.0	0.0	0.0	28.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	45.5
14	23.7	2.6	0.5	0.4	23.7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	52.9
15	0.0	0.0	0.0	5.8	1.5	0.0	7.0	0.0	1.0	0.0	0.0	0.0	15.3
16	0.0	1.5	1.0	0.0	0.0	0.0	0.0	35.2	0.0	0.0	0.0	0.0	37.7
17	0.0	0.0	0.0	3.5	0.0	0.0	0.0	19.8	0.0	0.0	0.0	0.0	23.3
18	-999.9	0.0	0.5	0.0	0.0	0.0	12.5	6.3	0.0	0.0	0.0	0.0	19.3
19	0.0	0.0	5.6	0.0	-999.9	0.0	26.8	0.0	0.0	0.0	0.0	0.0	32.4
20	4.3	-999.9	14.0	0.0	0.0	0.0	174.0	0.0	0.0	0.0	0.0	0.0	192.3
21	-999.9	28.7	-999.9	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	42.7
22	0.0	0.2	0.0	0.0	0.0	0.0	1.8	0.2	0.0	0.0	0.0	3.6	5.8
23	0.0	0.0	0.0	1.6	-999.9	0.0	54.8	54.6	0.0	0.0	0.0	3.7	114.7
24	0.0	0.0	0.0	0.0	0.3	0.0	62.4	12.3	-999.9	0.0	0.0	0.0	75.0
25	0.0	0.0	0.5	0.0	0.0	9.0	0.0	2.0	0.0	0.0	0.0	6.0	17.5
26	0.0	-999.9	0.0	0.0	0.0	12.0	0.0	0.0	0.0	18.4	0.0	9.0	39.4
27	9.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	13.2	0.0	4.1	26.3
28	0.0	0.0	0.0	0.0	0.0	17.6	18.2	0.0	0.0	0.0	0.0	16.8	52.6
29	0.0	0.0	0.0	0.6	0.0	0.0	103.0	0.0	0.0	0.0	0.0	23.6	127.2
30	0.0	0.0	5.7	2.9	0.0	-999.9	9.9	0.0	0.0	0.0	0.0	0.0	18.5
31	0.0	0.0	0.0	0.0	-999.9	0.0	28.4	72.0	0.0	0.0	0.0	0.0	100.4
Max	23.7	28.7	14.0	28.1	28.0	17.6	174.8	162.0	21.0	18.4	2.6	38.9	557.8
Total	41.9	53.4	30.0	66.5	59.0	56.8	828.6	618.9	58.1	52.8	2.6	120.2	1988.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1995 (13/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	15.8
2	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	107.9	0.0	0.0	0.0	0.0	107.9
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	8.7	0.0	0.0	8.7
4	0.0	0.0	0.0	1.5	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	10.5
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3	0.0	0.0	0.0	0.0	66.3
6	0.0	0.0	0.0	0.0	0.0	0.0	25.7	0.0	0.0	0.0	0.0	0.0	25.7
7	0.0	0.0	0.0	0.0	0.0	0.0	29.5	3.8	0.0	0.0	0.0	-999.9	33.3
8	0.0	-999.9	-999.9	0.0	0.0	0.0	4.8	37.0	0.0	0.0	0.0	3.3	45.1
9	2.1	0.0	0.6	6.2	0.0	0.0	37.9	0.0	6.8	0.0	0.0	7.6	61.2
10	25.0	2.0	0.0	22.2	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	49.2
11	0.0	-999.9	0.0	0.0	0.6	0.0	37.5	-999.9	0.0	0.0	0.0	11.7	49.8
12	0.0	35.1	0.0	24.0	0.0	0.0	19.4	0.0	3.2	0.0	0.0	0.0	81.7
13	0.0	0.0	0.0	0.0	0.0	0.0	40.2	0.0	0.0	0.0	0.0	0.0	40.2
14	0.0	1.7	0.0	0.0	0.0	0.0	3.8	23.0	0.0	0.0	0.0	0.0	28.5
15	0.0	5.7	0.0	7.6	0.0	0.0	18.0	-999.9	0.0	2.9	0.0	-999.9	34.2
16	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	11.3	0.0	11.8	24.2
17	0.0	0.0	0.0	0.5	0.0	0.0	3.2	38.8	0.0	0.0	0.0	0.0	42.5
18	0.0	11.2	0.0	-999.9	0.0	0.0	-999.9	3.0	0.0	0.0	0.0	0.0	14.2
19	0.0	0.0	0.0	3.5	12.3	0.0	30.8	1.8	0.0	10.3	0.0	0.0	58.7
20	0.0	0.0	-999.9	-999.9	0.5	9.4	6.2	2.1	0.0	0.0	0.0	0.0	18.2
21	0.0	0.0	0.0	0.0	0.9	2.1	51.5	48.9	0.0	0.0	0.0	0.0	103.4
22	0.0	0.0	-999.9	1.0	0.4	9.7	0.2	0.0	0.0	0.0	0.0	0.0	11.3
23	0.0	0.0	0.3	-999.9	-999.9	0.0	34.6	0.0	0.0	0.0	0.0	0.0	34.9
24	0.0	0.0	5.5	0.0	0.0	0.0	0.1	0.0	2.6	0.0	0.0	0.0	8.2
25	0.0	0.0	14.0	0.2	3.6	0.0	99.6	15.4	0.0	0.0	0.0	0.0	132.8
26	0.0	0.0	19.6	1.2	18.5	0.0	21.9	-999.9	0.0	-999.9	0.0	0.0	61.2
27	1.8	12.0	0.0	-999.9	0.0	0.0	6.8	36.6	0.0	0.0	0.0	0.0	57.2
28	-999.9	7.6	38.8	0.0	0.0	1.0	27.7	0.0	0.0	0.0	7.4	0.0	82.5
29	0.0	0.0	7.8	-999.9	0.0	0.0	48.9	40.4	6.9	0.0	21.0	0.0	125.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	6.4
31	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
Max	25.0	35.1	38.8	24.0	18.5	9.7	99.6	107.9	12.0	11.3	21.0	11.8	414.7
Total	28.9	75.3	86.6	72.8	36.8	22.2	548.3	440.4	31.5	33.2	28.4	34.4	1438.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1996 (14/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.0	0.0	0.0	0.0	0.0	81.0
2	0.0	0.0	2.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	2.0
3	0.0	0.0	2.6	0.0	-999.9	0.0	0.0	1.8	2.0	48.5	0.0	7.6	62.5
4	0.0	0.0	0.0	4.6	0.0	0.0	0.0	7.5	-999.9	7.1	0.0	0.0	19.2
5	0.0	0.0	0.0	12.6	-999.9	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	12.6
6	0.0	0.0	0.0	2.9	0.0	0.0	14.0	15.4	9.5	0.0	0.0	0.0	41.8
7	0.0	0.0	0.0	7.4	0.0	0.0	0.0	-999.9	39.6	0.0	0.0	0.0	47.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.6	0.2	0.0	0.0	0.0	84.8
9	0.0	16.4	0.0	0.0	0.0	2.5	0.0	2.7	3.0	0.0	0.0	0.0	24.6
10	-999.9	18.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	19.5
11	0.0	0.0	0.0	0.0	2.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	14.0
12	0.0	0.0	13.2	-999.9	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	29.2
13	0.0	0.5	0.0	0.0	0.0	11.0	1.0	0.0	0.0	0.0	0.0	0.0	12.5
14	-999.9	5.4	0.0	0.0	0.0	9.8	0.0	9.8	0.0	0.0	0.0	0.0	25.0
15	66.7	56.1	36.7	0.0	0.0	0.0	0.0	29.8	13.0	0.0	0.0	0.0	202.3
16	6.0	0.0	18.4	0.0	4.2	52.1	44.5	57.1	0.0	0.0	0.0	0.0	182.3
17	0.0	0.0	9.3	0.0	0.0	7.9	0.0	-999.9	0.0	0.0	0.0	0.0	17.2
18	0.0	0.0	12.0	0.0	0.0	1.7	0.0	0.0	33.0	-999.9	0.0	0.0	46.7
19	0.0	0.0	17.0	0.0	0.0	0.4	0.0	58.0	0.0	2.2	0.0	0.0	77.6
20	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	3.4	0.0	3.6
21	0.0	0.0	-999.9	0.0	4.2	3.5	5.0	0.0	0.0	-999.9	0.0	0.0	12.7
22	3.8	0.0	0.0	-999.9	33.0	0.0	0.0	32.0	22.8	0.0	0.0	0.0	91.6
23	4.0	0.0	0.0	-999.9	-999.9	0.0	7.0	-999.9	0.0	0.0	0.0	0.0	11.0
24	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0
25	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	-999.9	5.9	0.0	0.0	0.0	0.0	0.0	-999.9	5.9
27	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
28	0.0	0.0	2.8	-999.9	0.0	-999.9	32.0	0.0	0.0	0.0	0.0	0.0	34.8
29	0.0	0.0	29.0	-999.9	0.0	0.0	62.0	0.0	0.0	0.0	0.0	0.0	91.0
30	0.0	0.0	0.0	8.8	0.0	18.0	5.0	19.0	0.0	0.0	0.0	0.0	50.8
31	0.0	0.0	0.0	0.0	0.0	26.3	13.4	0.0	0.0	0.0	0.0	0.0	39.7
Max	66.7	56.1	36.7	12.6	33.0	52.1	62.0	84.6	39.6	48.5	3.4	7.6	502.9
Total	80.5	135.9	143.0	36.3	43.4	139.3	199.9	411.7	123.1	57.8	3.4	7.6	1381.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1997 (15/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	4.2	0.0	0.0	-999.9	8.4	0.0	0.0	0.0	0.0	12.6
2	0.0	9.6	2.4	31.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.5
3	0.0	6.4	0.0	36.2	0.8	2.5	0.0	21.0	1.4	0.0	0.0	0.0	68.3
4	0.0	0.0	0.0	28.7	7.4	0.0	20.0	0.0	0.0	21.0	0.0	0.0	77.1
5	0.0	0.0	0.0	0.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.2	-999.9	0.0	0.0	62.2
7	0.0	0.0	-999.9	0.0	8.9	0.0	0.0	0.0	-999.9	3.0	0.0	-999.9	11.9
8	0.0	0.0	1.0	0.0	34.4	0.0	0.0	0.0	48.0	5.0	0.0	20.4	108.8
9	0.0	0.0	-999.9	0.8	18.5	0.0	2.4	-999.9	6.0	0.0	3.0	0.5	31.2
10	0.0	0.0	0.0	0.4	0.0	10.8	0.0	1.0	1.8	0.0	4.8	0.0	18.8
11	0.0	1.3	-999.9	0.0	0.0	18.5	0.0	0.0	0.0	49.4	0.0	0.0	69.2
12	0.0	0.0	0.0	4.4	1.9	0.0	11.0	52.8	-999.9	-999.9	0.0	0.0	70.1
13	0.0	0.0	0.0	1.8	1.5	0.0	0.9	28.0	73.4	0.0	0.0	-999.9	105.6
14	0.0	0.0	0.0	36.6	1.4	11.1	0.0	0.0	1.0	0.0	0.0	0.0	50.1
15	0.0	0.0	2.0	16.4	10.2	50.0	0.0	0.0	-999.9	0.0	0.0	0.0	78.6
16	0.0	0.0	8.3	0.2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-999.9	9.5
17	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.0	0.8	0.0	0.0	0.0	3.6
18	-999.9	0.0	4.3	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	4.3
19	15.4	0.0	30.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.4
20	12.2	0.0	0.0	0.0	0.0	36.7	-999.9	0.0	0.0	11.0	0.0	0.0	59.9
21	2.7	0.0	0.0	-999.9	0.0	0.0	-999.9	-999.9	19.4	3.2	0.0	0.0	25.3
22	0.0	0.0	5.4	0.0	0.0	56.0	0.0	33.6	-999.9	6.3	0.0	0.0	101.3
23	0.0	0.0	1.0	0.0	0.0	2.6	1.2	10.8	0.0	0.0	0.0	0.0	15.6
24	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	-999.9	0.0	0.0	5.2
25	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	-999.9	1.6	8.2	0.0	0.0	0.0	0.0	0.8	0.0	10.6
27	4.5	0.0	0.0	7.0	0.0	110.3	4.2	199.8	10.2	-999.9	4.0	0.0	340.0
28	-999.9	0.0	11.8	0.1	0.0	-999.9	5.1	120.4	0.0	0.0	8.4	0.0	145.8
29	0.0	0.0	21.3	-999.9	-999.9	35.6	18.8	0.0	10.6	-999.9	0.0	3.0	89.3
30	0.0	0.0	0.0	18.4	0.5	3.1	0.0	0.0	-999.9	5.0	0.0	0.0	27.0
31	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Max	15.4	9.6	30.0	36.6	34.4	110.3	20.0	199.8	73.4	49.4	8.4	20.4	607.7
Total	34.8	17.3	87.5	189.1	92.5	356.8	63.6	476.8	234.8	103.9	21.0	23.9	1702.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1998 (16/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	2.4	0.0	0.0	1.2	-999.9	5.4	6.2	0.0	5.0	0.0	0.0	20.2
2	0.0	2.6	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
3	0.0	0.0	10.6	3.0	2.6	0.0	0.0	53.5	2.0	0.0	0.0	0.0	71.7
4	0.0	0.0	58.8	2.8	0.0	0.0	0.0	1.2	-999.9	0.0	0.0	0.0	62.8
5	0.0	0.0	13.0	0.0	0.0	0.0	0.0	24.0	9.4	7.6	0.0	0.0	54.0
6	0.0	0.0	0.0	0.0	-999.9	0.0	22.5	7.0	0.0	0.0	0.0	0.0	29.5
7	0.0	0.0	0.0	0.0	0.0	-999.9	26.4	0.0	0.0	0.0	0.0	0.0	26.4
8	1.0	0.0	0.0	17.0	13.4	0.0	0.0	8.0	-999.9	0.0	0.0	0.0	39.4
9	-999.9	0.0	0.0	20.0	3.0	0.8	53.0	0.0	30.0	0.0	0.0	0.0	106.8
10	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	75.8	16.4	11.0	0.0	0.0	103.2
11	0.0	0.0	0.0	0.0	0.0	0.0	26.6	2.9	22.0	0.0	0.0	0.0	51.5
12	0.0	0.0	9.8	-999.9	0.0	19.8	0.0	8.0	5.0	0.0	0.0	0.0	42.6
13	11.0	0.0	2.8	0.0	0.0	7.2	21.0	0.0	0.0	0.0	0.0	0.0	42.0
14	0.0	-999.9	0.0	0.0	0.0	0.0	2.3	16.3	0.0	0.0	0.0	0.0	18.6
15	21.0	81.5	0.0	0.0	0.0	0.0	8.8	30.2	0.0	0.0	0.0	0.0	141.5
16	0.0	6.0	0.0	0.0	0.0	0.0	53.4	0.0	0.0	3.6	0.0	0.0	63.0
17	0.0	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	29.3
18	0.0	16.7	-999.9	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	26.8
19	0.0	1.5	0.0	0.0	0.0	0.0	16.0	41.2	0.0	0.0	0.0	0.0	58.7
20	0.0	0.0	1.5	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	7.8
21	0.0	0.0	0.0	8.0	0.0	0.0	0.0	54.2	0.0	0.0	0.0	0.0	62.2
22	0.0	0.0	0.0	0.0	-999.9	-999.9	0.0	9.0	0.0	0.0	0.0	0.0	9.0
23	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	1.8
24	0.0	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.4
25	0.0	77.4	0.0	7.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	120.4
26	0.0	-999.9	0.0	39.5	0.0	0.0	3.3	18.2	0.0	-999.9	0.0	0.0	61.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	0.0	15.2
28	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
29	0.0	0.0	-999.9	0.0	0.5	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5
30	0.0	0.0	0.0	10.1	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	10.1
31	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	16.0
Max	21.0	81.5	58.8	39.5	13.4	19.8	53.4	75.8	30.0	15.2	0.0	0.0	408.4
Total	33.0	251.6	96.5	107.4	20.7	37.9	245.0	407.7	84.8	42.4	0.0	0.0	1327.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 1999 (17/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	-999.9	0.0	13.0	12.5	0.0	0.0	0.0	0.0	25.5
2	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	2.5	28.5	0.0	0.0	0.0	31.0
3	0.0	12.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.1	0.0	34.1
4	0.0	0.0	0.0	0.0	0.0	4.4	6.0	20.2	0.0	0.0	11.0	0.0	41.6
5	1.0	0.0	12.6	0.0	0.0	0.0	0.4	0.0	6.0	4.0	5.9	0.0	29.9
6	6.4	0.0	2.0	0.0	0.0	0.0	-999.9	0.0	5.2	0.0	11.0	0.0	24.6
7	40.2	0.0	4.4	0.0	0.0	0.0	3.0	46.8	0.0	-999.9	1.0	0.0	95.4
8	2.0	-999.9	8.5	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	24.3
9	0.0	0.0	7.0	0.0	0.0	0.0	0.0	35.7	-999.9	0.0	0.0	0.0	42.7
10	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	73.4	-999.9	0.0	0.5	0.0	73.9
11	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
12	-999.9	2.0	0.0	1.1	1.9	0.0	6.2	80.9	0.0	0.0	0.0	0.0	92.1
13	0.0	0.0	0.0	0.0	7.6	0.0	0.0	12.0	0.0	0.0	1.0	0.0	20.6
14	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	-999.9	0.0	0.5
15	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
16	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
17	0.0	0.0	-999.9	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0
18	0.0	0.0	-999.9	0.0	0.0	-999.9	60.0	0.0	0.0	0.0	0.0	0.0	60.0
19	0.0	0.0	0.0	0.0	0.0	0.0	36.4	0.0	-999.9	-999.9	0.0	0.0	36.4
20	0.3	18.0	8.0	0.0	3.2	14.2	3.0	0.3	-999.9	0.0	0.0	0.0	47.0
21	21.4	0.0	11.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.4
22	-999.9	0.0	0.0	0.0	7.8	0.0	1.5	-999.9	0.0	0.0	-999.9	0.0	9.3
23	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	6.0
24	22.4	-999.9	-999.9	0.0	1.0	0.0	0.0	0.0	25.6	0.0	0.0	0.0	49.0
25	0.0	0.0	6.2	0.0	0.0	1.0	6.0	0.0	5.4	0.0	0.0	0.0	18.6
26	0.0	0.0	1.0	0.0	3.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	54.0
27	1.6	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	18.3
28	6.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	10.6
29	0.0	0.0	0.0	0.0	0.0	-999.9	52.0	0.0	0.0	0.0	0.0	0.0	52.0
30	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	42.2	0.0	0.0	0.0	42.2
Max	40.2	18.0	12.6	1.1	7.8	14.2	60.0	80.9	42.2	4.0	11.0	0.0	292.0
Total	106.3	33.3	60.7	1.1	24.5	21.0	279.5	319.6	112.9	4.0	31.5	0.0	994.4

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 2000 (18/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	18.4	0.0	0.0	0.0	0.0	7.0	66.2	6.2	0.0	0.0	0.0	97.8
2	0.0	17.4	0.0	0.0	0.0	0.0	-999.9	4.0	3.2	0.0	0.0	0.0	24.6
3	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	14.0	3.8	0.0	0.0	0.0	17.8
4	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
5	0.0	0.0	10.4	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	10.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	4.8
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	4.2
8	0.0	0.0	0.0	-999.9	0.0	0.0	32.1	36.8	25.5	0.0	0.0	-999.9	94.4
9	0.0	0.0	0.0	0.0	0.0	18.2	16.6	0.0	0.0	0.0	-999.9	0.0	34.8
10	0.0	31.2	0.0	0.0	0.0	0.0	17.0	1.0	0.0	0.0	0.0	0.0	49.2
11	0.0	0.0	0.0	0.0	0.0	0.0	43.4	15.0	0.0	0.0	0.0	0.0	58.4
12	30.5	0.0	-999.9	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	30.9
13	45.0	0.0	0.0	0.0	1.0	0.0	0.1	0.0	4.8	0.0	0.0	0.0	50.9
14	22.4	0.0	0.0	-999.9	-999.9	0.0	9.0	0.0	0.0	0.0	0.0	0.0	31.4
15	1.5	0.0	0.0	1.0	0.0	1.8	0.0	43.6	0.0	0.0	0.0	0.0	47.9
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6
17	0.0	-999.9	2.0	0.0	0.0	0.0	11.0	36.0	0.0	0.0	0.0	13.4	62.4
18	0.0	-999.9	0.0	0.5	0.0	2.8	-999.9	22.0	0.0	0.0	0.0	3.1	28.4
19	-999.9	0.0	0.0	0.0	10.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	10.0
20	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	8.2	0.0	0.0	0.0	0.0	-999.9	52.4	19.2	0.0	0.0	0.0	79.8
22	0.0	0.0	1.0	-999.9	0.0	1.8	3.4	13.0	9.0	0.0	0.0	0.0	28.2
23	-999.9	0.0	0.0	0.5	0.0	0.0	23.6	0.0	0.0	0.0	0.0	0.0	24.1
24	0.0	0.0	-999.9	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	-999.9	0.0	0.0
25	1.2	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	1.2
26	16.3	0.0	0.0	-999.9	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	33.5
27	2.2	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	17.4
28	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
29	0.0	0.0	0.8	-999.9	0.0	5.6	0.0	52.0	0.0	0.0	0.0	-999.9	58.4
30	0.0	0.0	0.0	0.0	0.0	38.2	-999.9	0.0	0.0	0.0	0.0	0.0	38.2
31	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	10.8	0.0	0.0	0.0	0.0	10.8
Max	45.0	31.2	10.4	1.0	10.0	38.2	43.4	66.2	25.5	0.0	0.0	13.4	284.3
Total	119.1	75.2	14.2	2.3	11.0	68.4	180.8	369.4	95.9	0.0	0.0	16.5	952.8

Note: --999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT ISLAMABAD STATION IN 2001 (19/19)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	-999.9	0.0	-999.9	3.0	-999.9	0.0	36.0	0.0	0.0	0.0	-999.9	0.0	39.0
2	0.0	0.0	0.0	0.0	5.7	0.0	10.0	0.0	0.0	0.0	-999.9	0.0	15.7
3	0.0	0.0	0.0	0.0	0.0	-999.9	10.0	0.0	0.0	0.0	3.1	0.0	13.1
4	0.0	0.0	0.0	1.0	0.0	0.0	0.0	22.5	0.0	14.0	0.0	-999.9	37.5
5	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5
6	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
7	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	7.0	0.0	0.0	0.0	0.0	7.0
8	0.0	0.0	0.0	0.0	20.3	0.0	70.5	20.0	-999.9	0.0	0.0	0.0	110.8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	1.5
10	0.0	0.0	0.0	-999.9	0.0	0.0	7.0	-999.9	0.0	0.0	0.0	0.0	7.0
11	0.0	0.0	0.0	0.0	0.0	3.0	15.8	0.0	0.0	4.5	0.0	-999.9	23.3
12	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	3.6	0.0	0.0	-999.9	26.6
13	0.0	0.0	3.8	1.5	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	8.3
14	0.0	0.0	-999.9	1.0	-999.9	30.5	2.0	0.0	11.0	0.0	0.0	-999.9	44.5
15	0.0	0.0	0.0	0.0	0.0	10.0	-999.9	62.7	0.0	0.0	0.0	0.0	72.7
16	0.0	0.0	0.0	0.0	0.0	-999.9	5.4	1.0	0.0	0.0	0.0	0.0	6.4
17	0.0	0.0	0.0	1.6	0.0	18.0	4.5	0.0	0.0	0.0	0.0	0.0	24.1
18	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	-999.9	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.4
20	0.0	0.0	0.5	0.9	4.4	0.0	0.0	0.0	1.2	0.0	0.0	0.0	7.0
21	0.0	0.0	0.0	-999.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
22	0.0	0.2	0.0	0.0	0.0	-999.9	0.0	22.0	0.0	0.0	0.0	0.0	22.2
23	0.0	0.0	0.0	0.0	0.0	4.0	42.2	43.0	0.0	0.0	0.0	0.0	89.2
24	0.0	-999.9	0.0	-999.9	0.8	19.2	591.9	-999.9	0.0	0.0	0.0	0.0	611.9
25	0.0	-999.9	0.0	-999.9	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	10.3
26	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
27	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
28	0.0	0.0	5.0	-999.9	0.0	0.0	27.8	0.0	0.0	0.0	0.0	0.0	32.8
29	0.0	0.0	20.0	0.0	6.0	0.0	34.5	0.0	0.0	0.0	0.0	0.0	60.5
30	0.0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	6.0
31	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	13.0
Max	0.0	0.2	20.0	6.4	20.3	30.5	591.9	62.7	11.0	14.0	3.1	1.0	761.1
Total	0.0	0.2	31.3	15.4	37.8	118.2	896.4	192.2	15.8	18.5	3.1	1.0	1329.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

1.3 DAILY RAINFALL AT RAMC STATION

DAILY RAINFALL AT RAMC STATION IN 1989 (1/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	5.2	2.6	0.0	0.0	4.8	0.0	0.0	0.0	0.0	12.6
2	0.6	0.0	0.0	0.0	7.6	0.0	7.6	0.4	0.0	0.0	0.0	0.0	16.2
3	2.2	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	2.5
4	0.7	0.0	0.0	0.0	0.0	0.0	30.0	4.1	0.0	0.0	0.0	0.0	34.8
5	33.4	5.6	0.0	0.0	0.0	0.0	-999.9	1.6	0.0	0.0	0.0	0.0	40.6
6	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.3
9	0.0	0.0	9.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	10.3
10	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.7
11	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.6	0.0	0.0	5.0
13	0.0	3.4	0.3	0.0	0.0	0.0	1.0	7.7	0.0	11.8	0.0	0.0	24.2
14	0.0	0.0	1.4	0.0	0.0	0.0	50.0	34.7	0.0	0.0	0.0	0.0	86.1
15	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0	18.2
16	0.0	6.6	0.0	0.0	0.0	2.8	-999.9	0.0	0.0	0.0	0.0	0.0	9.4
17	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
18	0.0	0.0	14.3	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-999.9	0.3	17.8
19	0.0	0.0	13.4	0.7	0.0	2.0	0.0	6.2	0.0	0.0	0.0	0.0	22.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.5	0.0	0.0	0.0	27.8	117.3
21	0.0	0.0	0.9	0.0	0.0	0.0	7.8	29.5	-999.9	0.0	0.0	1.4	39.6
22	0.0	0.0	7.0	0.0	0.0	0.0	0.0	22.5	9.3	0.0	-999.9	0.0	38.8
23	0.0	0.0	2.1	0.0	-999.9	0.0	4.2	6.6	13.4	0.0	0.0	16.1	42.4
24	0.0	0.0	0.0	0.0	-999.9	0.0	9.3	0.0	0.0	0.0	0.0	0.6	9.9
25	0.0	0.0	0.0	2.3	0.0	0.0	0.0	17.8	0.0	0.0	-999.9	0.4	20.5
26	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
27	0.0	0.0	16.5	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	22.0
28	0.0	0.0	1.6	0.0	0.0	28.9	0.0	1.9	0.0	0.0	0.0	0.0	32.4
29	0.0		0.0	0.0	0.0	6.1	3.1	-999.9	0.0	0.0	0.0	0.0	9.2
30	0.0		0.9	0.0	0.0	0.0	123.2	0.0	0.0	0.0	0.0	0.0	124.1
31	0.0		17.5		0.0		58.0	0.0		0.0		0.0	75.5
Max	38.6	6.6	17.5	5.2	7.6	28.9	123.2	89.5	13.4	11.8	0.3	27.8	370.4
Total	75.5	15.6	86.7	8.4	10.2	43.0	312.4	232.8	25.1	14.4	0.3	53.1	877.5

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1990 (2/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.4	0.0	-999.9	0.0	39.0	-999.9	0.0	0.0	3.0	0.0	42.4
2	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	34.4	0.0	0.0	0.0	0.0	34.4
3	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
4	0.0	0.0	0.0	0.0	0.0	-999.9	34.5	0.0	23.8	0.0	0.0	0.0	58.3
5	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	52.5	0.0	0.0	0.0	52.5
6	3.1	0.6	0.0	14.9	0.0	0.0	75.6	-999.9	0.0	0.0	0.0	0.0	94.2
7	1.4	11.8	0.0	25.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	38.2
8	0.0	6.1	0.0	0.0	0.0	7.9	0.0	41.3	0.0	0.0	0.0	0.0	55.3
9	0.0	0.2	0.0	0.0	0.0	-999.9	0.0	95.2	0.0	0.0	0.0	0.0	95.4
10	0.0	0.0	32.9	-999.9	0.0	0.0	35.4	0.0	0.0	0.0	0.0	0.0	68.3
11	0.0	0.0	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8
12	0.0	-999.9	0.0	0.1	0.0	5.9	1.2	1.5	0.0	0.0	0.0	0.0	8.7
13	-999.9	24.3	0.0	1.4	0.0	1.0	0.0	78.0	0.0	0.0	0.0	0.0	104.7
14	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	15.1
15	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	1.0	3.0	0.0	0.0	23.7	27.7
16	0.0	0.0	-999.9	3.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	33.9	36.9
17	1.9	0.0	32.6	5.1	-999.9	0.0	11.6	0.0	0.0	8.2	0.0	13.8	73.2
18	-999.9	0.0	0.0	0.0	0.1	0.0	21.4	17.9	0.0	11.0	0.0	0.0	50.4
19	0.0	0.0	0.5	0.0	0.0	0.0	0.0	15.8	11.7	0.0	2.1	0.0	30.1
20	0.0	0.0	53.5	0.0	0.0	0.0	0.1	19.8	13.5	0.0	0.0	0.0	86.9
21	0.6	0.0	0.2	0.0	0.0	0.0	26.4	0.0	0.0	0.0	0.0	0.0	27.2
22	0.7	0.0	9.4	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	11.9
23	0.0	0.0	0.8	0.0	0.0	0.0	0.0	19.4	0.0	0.0	0.0	0.0	20.2
24	0.0	9.8	2.0	0.0	0.0	0.0	-999.9	28.1	0.0	0.0	0.0	13.2	53.1
25	0.0	29.7	1.3	0.0	0.0	14.6	0.1	5.0	2.6	0.0	0.0	0.0	53.3
26	-999.9	12.7	0.5	1.7	0.0	0.0	65.6	0.0	0.0	0.0	0.0	0.0	80.5
27	29.5	2.2	0.5	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	7.2	61.9
28	0.0	17.6	13.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	35.8	86.7
29	0.0		6.2	0.0	0.0	0.0	0.0	29.8	17.3	0.0	0.0	14.7	68.0
30	0.0		2.1	0.0	-999.9	19.7	0.3	11.7	0.0	0.0	0.0	0.0	33.8
31	0.6		1.0		-999.9		0.0	0.0		999.9		0.5	2.1
Max	29.5	29.7	53.5	25.0	0.1	19.7	75.6	95.2	52.5	11.0	3.0	35.8	430.6
Total	37.8	116.2	183.7	51.2	0.1	49.1	354.0	400.7	124.4	19.2	5.1	156.7	1498.2

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1991 (3/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	2.9	0.9	0.0	0.0	16.8	13.9	0.0	0.0	0.0	34.5
2	0.0	0.0	3.4	18.8	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2
3	0.0	0.0	0.0	1.0	0.0	0.0	0.0	-999.9	18.7	0.0	0.0	0.0	19.7
4	0.0	0.0	41.6	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	-999.9	47.2
5	0.0	0.1	0.5	0.0	-999.9	0.0	-999.9	3.9	0.1	0.0	0.0	0.0	4.6
6	0.0	1.2	0.0	8.1	1.1	0.0	7.2	0.0	48.6	0.0	0.0	0.0	66.2
7	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	8.9	24.6	0.0	0.0	-999.9	33.5
8	0.0	0.0	4.7	10.4	0.4	0.0	0.0	2.8	0.0	0.0	0.0	0.0	18.3
9	0.0	10.9	0.0	13.9	0.2	0.0	0.0	64.7	0.8	0.0	0.0	0.0	90.5
10	0.0	35.4	0.0	0.0	0.0	31.3	0.0	8.6	0.0	0.0	0.0	0.0	75.3
11	2.0	18.3	0.0	0.0	0.3	7.8	0.0	0.0	1.5	0.0	0.0	0.0	29.9
12	-999.9	0.2	2.5	0.3	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	4.9
13	0.0	0.0	0.0	18.2	0.0	0.0	69.5	0.0	0.0	0.0	0.0	0.0	87.7
14	0.0	16.5	0.0	19.1	0.0	0.0	16.4	-999.9	23.6	-999.9	0.0	0.0	75.6
15	0.0	0.0	0.0	21.6	0.0	0.5	0.0	-999.9	52.9	2.3	0.0	0.0	77.3
16	-999.9	0.0	0.0	0.0	-999.9	9.1	0.0	0.0	6.8	0.0	0.0	0.0	15.9
17	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	11.4
18	0.0	0.0	15.5	0.0	0.0	0.0	37.7	33.8	0.0	0.0	0.0	0.0	87.0
19	0.0	0.0	0.0	0.0	0.0	6.4	0.0	62.2	0.0	0.0	0.0	0.0	68.6
20	0.0	0.0	0.0	0.0	0.6	6.8	24.5	42.4	0.0	0.0	0.0	0.0	74.3
21	0.0	0.0	0.0	0.3	15.4	-999.9	36.2	5.8	0.0	0.0	0.0	2.4	60.1
22	0.0	0.0	6.1	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	20.1	26.2
23	0.0	0.5	17.4	-999.9	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	22.4
24	0.0	0.6	2.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	6.6
25	1.3	4.6	0.0	0.0	0.0	0.0	9.9	0.0	-999.9	0.0	0.0	0.3	16.1
26	3.7	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	17.3	0.0	0.0	0.0	21.0
27	0.6	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
28	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	3.4
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	4.6	0.0	9.5
30	0.0	0.0	0.0	0.0	0.0	0.0	17.8	-999.9	-999.9	0.0	0.0	0.0	17.8
31	0.0	0.0	0.0	0.0	0.0	0.0	32.3	0.0	0.0	0.0	0.0	0.0	32.3
Max	3.7	35.4	41.6	21.6	15.4	31.3	69.5	64.7	52.9	2.3	4.6	20.1	363.1
Total	9.9	88.9	93.7	114.6	22.9	61.9	253.4	265.3	220.3	2.3	4.6	22.8	1160.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1992 (4/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.9	0.0	3.5	0.0	6.3	0.0	0.0	0.0	0.0	0.0	10.7
2	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	15.0	10.5	0.0	0.0	0.0	25.5
3	0.0	0.0	0.0	0.0	18.0	0.2	0.0	156.3	1.7	-999.9	0.0	-999.9	176.2
4	0.0	0.0	0.0	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
5	0.0	0.0	-999.9	0.7	3.7	0.0	0.0	-999.9	0.3	-999.9	0.0	0.0	4.7
6	0.0	36.1	-999.9	2.4	0.0	0.0	0.0	-999.9	8.2	1.1	0.0	0.0	47.8
7	3.6	0.3	0.0	2.5	-999.9	0.0	0.0	0.0	0.6	0.0	0.0	0.0	7.0
8	0.0	0.0	0.0	0.0	0.0	0.0	58.5	32.3	-999.9	-999.9	0.0	0.0	90.8
9	0.0	0.0	0.0	0.0	0.3	0.0	0.5	23.1	170.3	0.0	0.0	0.0	194.2
10	2.6	0.0	0.0	11.2	0.0	0.0	0.5	0.0	120.8	0.0	0.0	0.0	135.1
11	5.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	10.1
12	0.0	6.4	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	2.6	9.0
13	0.0	46.4	2.7	0.0	0.0	0.0	24.4	0.0	0.0	0.0	0.0	0.0	73.5
14	0.0	0.0	0.0	0.0	0.0	0.0	54.5	0.0	2.2	0.0	0.0	0.0	56.7
15	0.0	0.0	0.0	0.0	-999.9	0.5	0.0	0.0	1.4	0.0	0.0	0.0	1.9
16	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	16.4	14.2	0.0	0.0	0.0	30.6
17	0.0	0.0	0.0	0.0	8.0	0.0	4.5	67.8	1.4	0.0	0.0	0.0	81.7
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1
19	0.0	0.0	-999.9	2.5	-999.9	0.0	-999.9	0.0	0.0	8.1	38.9	0.0	49.5
20	0.0	0.3	4.3	-999.9	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	6.6
21	0.0	0.0	4.5	2.5	0.0	14.8	-999.9	15.0	0.0	0.0	0.0	0.0	36.8
22	0.0	0.0	4.5	3.1	0.0	0.5	0.0	-999.9	0.0	0.0	0.0	0.0	8.1
23	0.5	0.0	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6
24	4.4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
25	0.9	0.0	34.3	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	37.2
26	6.8	0.0	28.8	0.0	2.6	0.0	4.3	4.5	0.0	0.0	0.0	0.0	47.0
27	1.4	0.0	0.0	0.0	8.1	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	9.5
28	13.4	0.0	0.1	-999.9	-999.9	0.0	0.0	15.0	0.0	0.0	0.0	0.0	28.5
29	28.2	7.3	0.0	17.6	0.9	3.3	17.4	0.0	0.0	0.0	0.0	0.0	74.7
30	38.2		0.0	-999.9	0.5	0.0	38.9	0.0	0.0	0.0	0.0	0.2	77.8
31	0.0		0.0		0.0		0.0	0.0		0.0		6.9	6.9
Max	38.2	46.4	34.3	17.6	18.0	14.8	58.5	156.3	170.3	8.1	38.9	6.9	608.3
Total	105.3	96.8	107.0	44.4	46.8	19.3	212.8	352.5	331.6	9.2	38.9	14.4	1379.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1993 (5/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	5.4	0.0	0.0	-999.9	8.2	9.6	0.0	3.6	16.6	0.0	0.0	-999.9	43.4
2	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	20.6	40.4	0.0	0.0	0.0	61.0
3	2.1	0.0	-999.9	0.0	0.0	0.0	0.0	27.3	-999.9	0.0	0.0	0.0	29.4
4	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	18.3	0.0	0.0	0.0	21.5
5	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	16.4	0.0	-999.9	0.0	19.3
6	1.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	3.6	-999.9	8.9	0.0	14.3
7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	26.7	32.2	0.0	-999.9	0.0	59.1
8	0.0	0.0	0.0	0.0	-999.9	0.0	67.9	0.4	0.0	0.0	-999.9	0.0	68.3
9	0.0	0.0	0.0	0.0	0.8	0.0	1.9	0.0	0.0	-999.9	6.2	0.0	8.9
10	0.4	0.0	0.0	0.0	5.6	0.0	35.0	69.6	0.0	-999.9	0.0	0.0	110.6
11	0.0	0.0	36.6	0.4	-999.9	0.0	0.0	2.0	-999.9	0.0	0.0	0.0	39.0
12	0.0	0.0	26.2	0.0	0.0	0.0	-999.9	0.0	12.6	0.0	0.0	0.0	38.8
13	0.0	0.0	-999.9	0.7	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	7.2
14	0.0	0.0	0.1	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2
15	0.9	0.0	0.0	8.1	0.0	37.8	0.0	40.2	0.0	0.0	0.0	0.0	87.0
16	9.2	5.1	0.0	0.0	3.1	0.0	5.3	0.0	0.0	0.0	0.0	0.0	22.7
17	0.0	16.0	0.0	0.0	0.3	0.0	2.2	0.2	0.0	0.0	0.0	0.0	18.7
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0
19	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
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6
21	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
22	0.0	0.0	4.9	1.4	-999.9	0.0	14.1	0.0	0.0	0.0	0.0	0.0	20.4
23	0.0	0.0	37.5	0.0	0.0	0.0	45.2	0.0	3.4	0.0	0.0	0.0	86.1
24	0.0	2.5	22.4	0.0	0.0	39.0	-999.9	0.0	0.0	0.0	0.0	0.0	63.9
25	0.0	19.7	0.0	0.0	0.0	18.3	3.9	-999.9	0.0	0.0	0.0	0.0	41.9
26	0.0	0.1	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	5.0
27	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	6.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	3.4
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
31	0.0		0.0		0.1		11.2	0.0		0.0		0.0	11.3
Max	9.2	19.7	37.5	12.1	19.0	39.0	67.9	69.6	40.4	0.0	8.9	0.0	323.3
Total	19.8	43.4	132.9	22.7	37.1	116.4	193.0	193.2	153.4	0.0	15.1	0.0	927.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1994 (6/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	5.7	0.0	0.0	0.0	8.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	16.5	0.0	0.0	0.0	16.7
3	0.0	0.0	1.6	0.0	0.0	0.0	193.1	2.8	0.0	0.0	-999.9	0.0	197.5
4	-999.9	0.1	0.0	22.1	0.0	0.0	-999.9	60.8	13.3	0.0	0.0	0.0	96.3
5	0.0	18.8	0.0	10.8	0.0	0.0	0.0	5.3	0.3	0.1	0.0	0.0	35.3
6	0.0	0.0	0.0	15.8	0.0	0.0	0.0	4.9	0.0	0.0	0.0	8.4	29.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	5.4	40.4
8	1.0	0.0	0.0	0.0	5.0	0.0	11.3	55.9	0.0	0.0	0.0	29.0	102.2
9	0.0	0.0	0.0	0.0	-999.9	-999.9	0.7	21.2	0.0	0.0	0.0	0.0	21.9
10	0.0	0.0	0.0	0.0	0.0	0.5	0.0	113.4	0.0	0.0	0.0	0.0	113.9
11	0.0	0.0	-999.9	-999.9	0.0	9.8	62.7	0.5	0.0	7.2	0.0	0.0	80.2
12	-999.9	0.0	0.0	0.0	-999.9	-999.9	0.0	0.0	0.3	0.0	1.5	0.0	1.8
13	23.1	3.3	-999.9	0.0	20.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	48.6
14	0.1	0.0	0.1	5.7	2.8	0.0	15.5	0.0	3.4	2.1	0.0	0.0	29.7
15	0.0	0.4	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
16	0.0	0.8	-999.9	0.2	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	23.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	0.0	0.0	0.0	0.0	43.8
18	0.0	0.0	0.9	0.0	0.0	0.0	45.8	-999.9	0.0	0.0	0.0	0.0	46.7
19	-999.9	0.0	4.7	0.0	-999.9	0.0	15.6	0.0	0.0	0.0	0.0	0.0	20.3
20	2.9	6.7	13.6	-999.9	0.0	0.0	111.4	0.0	0.0	0.0	0.0	0.0	134.6
21	0.0	17.8	0.0	0.0	0.0	0.0	23.1	0.0	0.0	0.0	0.0	0.0	40.9
22	0.0	-999.9	0.0	0.0	-999.9	0.0	20.3	0.0	0.0	0.0	0.0	1.4	21.7
23	0.0	0.0	0.0	2.0	0.5	0.0	92.0	33.5	-999.9	0.0	0.0	1.7	129.7
24	0.0	0.0	0.0	0.0	1.2	0.0	58.8	12.3	0.0	0.0	0.0	5.6	77.9
25	0.0	0.0	-999.9	0.0	0.0	7.9	0.0	0.0	0.0	-999.9	0.0	2.1	10.0
26	-999.9	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	20.3	0.0	0.3	31.0
27	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	5.1	25.2
28	0.0	0.0	0.0	0.0	0.0	6.1	9.9	0.0	0.0	0.0	0.0	37.3	53.3
29	0.0	0.0	0.8	0.3	0.0	0.0	78.4	0.0	0.0	0.0	0.0	0.0	79.5
30	0.0	0.0	2.4	5.4	0.0	4.2	10.0	7.2	0.0	0.0	0.0	0.0	29.2
31	0.0	0.0	6.0	0.0	0.0	0.0	13.3	68.0	0.0	0.0	0.0	0.0	87.3
Max	23.1	18.8	13.6	22.1	20.5	10.4	193.1	113.4	16.5	20.3	1.5	37.3	490.6
Total	34.2	47.9	30.1	62.3	31.6	40.6	764.5	487.3	39.5	42.7	1.5	96.3	1678.5

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1995 (7/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	1.2	0.0	0.0	0.0	34.4	0.0	0.0	0.0	0.0	35.6
2	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	71.0	0.0	0.0	0.0	0.0	71.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.0	19.7
4	0.0	0.0	0.0	-999.9	0.0	0.0	-999.9	29.1	0.0	0.0	0.0	0.0	29.1
5	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-999.9	0.0	0.0	0.0	0.0	2.7
6	0.0	0.0	0.0	0.0	0.0	0.0	75.8	-999.9	0.0	0.0	0.0	0.0	75.8
7	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
8	0.0	0.0	0.5	0.7	0.0	0.0	10.5	48.3	0.0	0.0	0.0	5.6	65.6
9	22.1	0.0	0.0	22.9	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	61.3
10	5.2	1.3	0.0	6.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	13.4
11	0.0	28.8	0.0	0.0	4.2	0.0	34.9	0.0	0.6	0.0	0.0	10.8	79.3
12	0.0	3.9	0.0	13.6	0.0	0.0	22.8	0.0	0.0	0.0	0.0	0.0	40.3
13	0.0	0.0	0.0	0.0	0.0	0.0	10.3	8.5	0.0	0.0	0.0	0.0	18.8
14	0.0	9.7	0.0	0.0	0.0	0.0	22.8	11.2	0.0	4.3	0.0	0.0	48.0
15	0.0	0.1	0.0	5.2	0.0	0.0	12.6	0.0	0.0	14.2	0.0	11.0	43.1
16	0.0	0.0	0.0	1.2	0.0	0.0	0.0	6.4	0.0	0.8	0.0	0.0	8.4
17	0.0	1.3	0.0	1.3	-999.9	0.0	-999.9	1.7	0.0	0.0	0.0	0.0	4.3
18	0.0	12.0	0.0	2.4	5.2	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	19.6
19	0.0	0.0	0.0	1.1	0.6	8.0	39.8	0.0	0.0	4.2	0.0	0.0	53.7
20	0.0	0.0	-999.9	0.0	3.2	3.2	46.6	10.7	0.0	0.0	0.0	0.0	63.7
21	0.0	0.0	0.0	0.0	1.3	0.5	0.5	16.6	0.0	0.0	0.0	0.0	18.9
22	0.0	0.0	1.5	2.3	3.9	3.3	0.0	0.0	0.0	1.6	0.0	0.0	12.6
23	0.0	0.0	4.5	-999.9	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	13.8
24	0.0	0.0	6.6	0.0	0.0	0.0	67.0	5.3	0.0	0.0	0.0	0.0	78.9
25	0.0	0.0	7.5	1.2	4.4	0.0	32.3	0.0	0.0	-999.9	0.0	0.0	45.4
26	0.0	0.0	9.7	0.1	5.7	0.0	7.2	12.9	0.0	0.0	0.0	0.0	35.6
27	1.7	11.2	-999.9	-999.9	0.0	0.0	14.2	25.0	0.0	0.0	-999.9	0.0	52.1
28	0.0	3.3	38.3	0.0	0.0	-999.9	60.1	0.0	0.0	0.0	24.8	0.0	126.5
29	0.0	0.0	3.2	-999.9	0.0	0.0	-999.9	8.1	6.9	0.0	0.0	0.0	18.2
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1
31	0.0	0.0	5.2	0.0	0.0	0.0	0.0	19.3	0.0	0.0	0.0	0.0	24.5
Max	22.1	28.8	38.3	22.9	5.7	8.0	75.8	71.0	6.9	19.7	24.8	11.0	335.0
Total	29.0	71.6	77.0	59.9	28.5	15.0	485.7	311.8	7.5	44.8	24.8	29.9	1185.5

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1996 (8/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.2	0.0	0.0	0.0	0.0	10.1
2	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	10.7
3	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	2.1	29.8	0.0	5.8	44.7
4	0.0	0.0	0.0	4.2	-999.9	0.0	-999.9	0.6	0.0	14.4	0.0	0.0	19.2
5	0.0	0.0	0.0	13.9	1.7	0.0	3.4	0.0	0.0	0.0	0.0	0.0	19.0
6	0.0	0.0	-999.9	0.0	0.0	0.0	1.8	13.9	18.6	0.0	0.0	0.0	34.3
7	0.0	0.0	-999.9	2.5	0.0	0.0	0.0	3.8	45.9	0.0	0.0	0.0	52.2
8	0.0	0.0	0.0	3.8	0.0	0.0	0.0	56.0	0.0	0.0	0.0	0.0	59.8
9	0.0	32.5	0.0	0.0	0.0	-999.9	0.0	0.3	0.0	0.0	0.0	0.0	32.8
10	0.0	1.3	-999.9	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	11.0
11	0.0	0.0	12.5	0.0	2.5	0.0	0.0	3.4	0.0	0.0	0.0	0.0	18.4
12	0.0	0.0	0.0	-999.9	0.0	0.0	10.2	0.0	0.0	-999.9	0.0	0.0	10.2
13	0.0	0.5	0.0	0.0	-999.9	8.2	0.0	0.0	0.0	0.0	0.0	0.0	8.7
14	9.6	28.1	70.3	0.0	0.1	0.8	0.0	4.2	-999.9	0.0	0.0	0.0	113.1
15	2.4	17.5	9.5	0.0	0.0	27.0	27.0	6.2	13.2	0.0	0.0	0.0	102.8
16	0.0	0.0	3.3	0.0	3.0	18.2	0.0	41.9	0.0	0.0	0.0	0.0	66.4
17	0.0	0.0	9.3	0.0	0.0	4.0	0.0	0.0	0.0	-999.9	0.0	0.0	13.3
18	0.0	0.0	29.8	0.0	0.0	0.7	0.0	1.7	44.6	0.0	0.0	0.0	76.8
19	0.0	0.0	0.0	0.0	0.0	0.4	0.0	9.0	0.0	3.0	0.0	0.0	12.4
20	0.0	0.0	1.6	0.0	0.0	2.4	0.0	0.0	0.0	-999.9	2.6	0.0	6.6
21	0.0	0.0	0.0	-999.9	7.3	0.9	13.0	0.0	-999.9	0.0	0.0	0.0	21.2
22	9.6	0.0	0.0	7.6	19.5	0.0	0.0	14.9	9.0	0.0	0.0	0.0	60.6
23	0.0	4.0	0.0	0.0	0.0	0.0	25.2	0.0	0.0	0.0	0.0	0.0	29.2
24	0.0	38.6	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0
25	0.0	0.1	0.0	0.0	0.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	5.5
26	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
27	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	9.9
28	0.0	-999.9	1.8	-999.9	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	8.0
29	0.0	0.0	12.0	0.0	0.0	47.6	120.8	0.0	0.0	0.0	0.0	0.0	180.4
30	0.0	0.0	0.0	11.5	0.0	3.7	0.0	11.2	0.0	0.0	0.0	0.0	26.4
31	0.0	0.0	0.0	0.0	0.0	0.0	92.8	0.0	0.0	0.0	0.0	0.0	92.8
Max	9.6	38.6	70.3	13.9	19.5	47.6	120.8	56.0	45.9	29.8	2.6	5.8	460.4
Total	21.6	122.6	151.0	43.5	40.2	138.4	300.4	180.0	143.2	47.2	2.6	5.8	1196.5

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1997 (9/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	-999.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7
2	0.0	14.8	1.5	60.3	0.2	0.0	0.0	0.0	1.6	0.0	0.0	0.0	78.4
3	0.0	0.0	0.0	14.3	3.9	0.0	0.0	16.7	0.0	6.5	0.0	0.0	41.4
4	0.0	0.0	0.0	16.5	1.2	15.6	0.8	0.0	0.0	29.2	0.0	0.0	63.3
5	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
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.6	0.0	0.0	-999.9	88.6
7	0.0	0.0	-999.9	0.0	6.8	0.0	0.0	0.0	0.0	4.2	0.0	0.0	11.0
8	0.0	0.0	0.1	-999.9	18.6	0.0	0.0	0.0	38.0	0.0	0.0	25.8	82.5
9	0.0	0.0	0.0	0.7	0.0	5.8	0.0	-999.9	3.8	0.0	-999.9	0.0	10.3
10	0.0	0.8	-999.9	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	14.1
11	0.0	0.0	-999.9	0.0	0.0	0.0	13.5	0.0	0.0	24.0	0.0	0.0	37.5
12	0.0	0.0	0.0	3.0	4.6	20.0	0.0	59.0	-999.9	0.0	0.0	0.0	86.6
13	0.0	0.0	0.0	0.0	2.5	0.0	0.0	36.4	44.2	0.0	0.0	0.0	83.1
14	0.0	0.0	0.0	53.9	2.0	0.0	48.5	0.0	0.0	0.0	0.0	0.0	104.4
15	0.0	0.0	2.0	1.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
16	0.0	0.0	4.0	6.6	0.0	0.0	4.3	0.0	1.0	0.0	0.0	-999.9	15.9
17	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0
18	-999.9	0.0	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1
19	24.4	0.0	9.9	0.0	0.0	-999.9	17.2	0.0	0.0	0.0	0.0	0.0	51.5
20	2.8	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	10.2	0.0	0.0	21.0
21	0.0	0.0	0.0	-999.9	0.0	0.0	48.2	3.5	17.0	3.9	0.0	0.0	72.6
22	0.5	0.0	4.8	0.0	0.0	24.5	84.4	49.5	0.0	1.8	0.0	0.0	165.5
23	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
24	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	1.4	-999.9	0.0	0.0	-999.9	0.0	0.0	8.0	0.0	1.4
27	3.0	0.0	0.0	5.6	0.0	9.4	19.8	318.6	11.3	0.0	6.0	0.0	373.7
28	0.0	0.0	39.3	-999.9	0.0	4.4	-999.9	0.0	0.0	0.2	0.0	0.0	43.9
29	0.0	0.0	0.0	0.1	0.0	8.1	31.0	0.0	7.2	0.0	0.0	2.8	49.2
30	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	20.6
31	0.0	0.0	-999.9	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	9.0
Max	24.4	14.8	39.3	60.3	18.6	24.5	84.4	318.6	88.6	29.2	6.0	25.8	734.5
Total	30.7	15.6	85.7	189.1	41.5	95.8	290.0	483.7	212.7	84.6	6.0	28.6	1564.0

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1998 (10/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	1.9	0.0	0.0	0.5	0.0	26.0	0.0	0.0	1.0	0.0	0.0	29.4
2	0.0	0.0	0.0	1.0	-999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	1.0
3	0.0	0.0	21.8	0.0	3.0	0.0	0.0	52.2	1.0	0.0	0.0	0.0	78.0
4	0.0	0.0	50.3	2.4	0.0	0.0	0.0	0.6	3.8	4.6	0.0	0.0	61.7
5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	23.7	0.0	0.0	0.0	0.0	24.2
6	0.0	0.0	0.0	0.0	1.0	0.0	19.0	4.5	0.0	0.0	0.0	0.0	24.5
7	0.6	0.0	0.0	0.0	0.0	0.0	28.2	0.0	0.0	0.0	0.0	0.0	28.8
8	0.4	0.0	0.0	18.2	13.8	-999.9	0.7	15.4	26.4	0.0	0.0	0.0	74.9
9	0.0	0.0	0.0	16.0	0.0	-999.9	80.5	0.0	0.0	0.0	0.0	0.0	96.5
10	0.0	0.0	0.0	0.0	0.0	0.0	0.6	75.5	2.0	1.6	0.0	0.0	79.7
11	0.0	0.0	0.6	0.0	0.0	0.0	16.8	5.8	45.6	0.0	0.0	0.0	68.8
12	5.5	0.0	7.6	0.0	0.0	19.7	18.0	7.1	0.0	0.0	0.0	0.0	57.9
13	6.8	0.0	0.0	0.0	0.0	4.0	1.2	25.6	0.0	0.0	0.0	0.0	37.6
14	1.8	13.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	16.1
15	20.9	61.6	0.0	0.0	0.0	0.0	1.4	26.6	0.0	0.0	0.0	0.0	110.5
16	0.0	1.0	0.0	0.0	0.0	0.0	96.4	0.0	0.0	4.7	0.0	0.0	102.1
17	0.0	28.0	0.0	0.0	-999.9	0.0	13.6	0.0	0.0	0.5	0.0	0.0	42.1
18	0.0	19.5	0.0	0.0	0.0	8.0	1.7	6.2	0.0	0.0	0.0	0.0	35.4
19	0.0	0.0	1.4	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	7.6
20	0.0	0.0	-999.9	0.0	0.0	0.0	-999.9	23.2	0.0	0.0	0.0	0.0	23.2
21	0.0	0.0	0.0	3.3	0.0	0.0	0.0	18.8	0.0	0.0	0.0	0.0	22.1
22	0.0	0.0	5.7	0.0	0.0	-999.9	0.0	12.6	0.0	0.0	0.0	0.0	18.3
23	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
24	0.0	90.0	0.0	0.0	0.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0	112.4
25	0.0	20.6	0.0	14.7	0.0	0.0	2.9	1.8	0.0	0.0	0.0	0.0	40.0
26	0.0	0.3	0.0	39.5	-999.9	0.0	4.4	0.0	0.0	6.0	0.0	0.0	50.2
27	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
28	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
30	-999.9		0.0	10.4	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	11.6
31	0.0		0.0		0.0		42.0	22.4		0.0		0.0	64.4
Max	20.9	90.0	50.3	39.5	13.8	19.7	96.4	75.5	45.6	6.0	0.0	0.0	457.7
Total	36.0	239.3	87.9	105.5	19.2	31.7	360.8	345.2	78.8	18.4	0.0	0.0	1322.8

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 1999 (11/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	12.0	14.6	0.0	0.0	0.0	0.0	26.6
2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	5.6
3	0.0	7.4	0.0	0.0	0.0	0.0	7.6	88.5	0.0	0.0	0.0	0.0	103.5
4	-999.9	0.0	8.0	0.0	0.0	1.5	12.7	0.7	0.0	0.0	7.0	0.0	29.9
5	0.9	0.0	1.0	0.0	0.0	0.0	0.5	0.0	-999.9	0.0	13.6	0.0	16.0
6	33.8	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.6	0.0	0.0	37.0
7	11.0	0.0	6.9	0.0	0.0	0.0	0.0	45.9	0.0	0.0	0.0	0.0	63.8
8	0.0	-999.9	19.8	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	23.7
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.5	0.2	0.0	0.0	0.0	60.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0
12	0.0	0.6	0.0	-999.9	5.0	0.0	4.5	61.7	0.0	0.0	0.0	0.0	71.8
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	-999.9	0.0	18.0
14	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	-999.9	0.0	0.4
15	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
16	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
17	0.0	0.0	-999.9	0.0	0.0	0.0	103.6	0.0	0.0	0.0	0.0	0.0	103.6
18	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	9.3
19	0.0	20.5	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	34.5
20	11.1	0.0	9.6	0.0	0.0	8.4	0.5	0.0	7.0	0.0	0.0	0.0	36.6
21	5.0	0.0	0.0	0.0	2.7	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	7.7
22	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.2
23	5.0	-999.9	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
24	24.1	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	31.2	0.0	0.0	0.0	55.3
25	4.5	0.0	4.6	0.0	7.4	-999.9	10.0	0.0	0.0	0.0	0.0	0.0	26.5
26	0.0	0.0	0.0	0.0	0.2	0.0	0.0	8.5	0.0	0.0	0.0	0.0	8.7
27	2.3	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	5.5
28	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
29	0.0		0.0	0.0	0.0	0.0	58.0	0.0	37.4	0.0	0.0	0.0	95.4
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	4.8
31	0.0		0.0		0.0		22.7	0.0		0.0		0.0	22.7
Max	33.8	20.5	19.8	0.0	7.4	8.4	103.6	88.5	37.4	0.6	13.6	0.0	333.6
Total	101.2	31.6	49.9	0.0	16.1	10.3	258.0	310.7	85.4	0.6	20.6	0.0	884.4

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

DAILY RAINFALL AT RAMC STATION IN 2000 (12/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	32.7	0.0	0.0	0.0	0.0	0.0	6.5	9.7	0.0	0.0	0.0	48.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.5	2.5	0.0	0.0	0.0	28.0
4	0.0	0.0	9.8	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	9.8
5	0.0	0.0	0.0	0.0	999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	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
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	4.3	0.0	-999.9	0.0	19.8
8	0.0	0.0	0.0	0.0	0.0	-999.9	30.0	0.0	0.0	0.0	0.0	-999.9	30.0
9	-999.9	10.1	0.0	0.0	0.0	4.5	20.1	-999.9	17.4	0.0	0.0	0.0	52.1
10	0.0	16.4	0.0	0.0	0.0	0.0	0.0	14.7	5.0	0.0	0.0	0.0	36.1
11	3.6	0.0	0.0	0.0	0.0	0.0	38.5	0.0	0.0	0.0	0.0	0.0	42.1
12	62.8	-999.9	-999.9	0.0	0.0	0.0	5.8	0.0	1.6	0.0	0.0	0.0	70.2
13	8.3	0.0	0.0	-999.9	2.3	0.0	6.0	0.0	0.0	0.0	0.0	0.0	16.6
14	14.2	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
15	2.0	0.0	0.0	0.0	0.0	4.0	0.0	33.0	0.0	0.0	0.0	0.0	39.0
16	0.0	0.0	0.0	0.0	0.0	0.0	44.0	2.4	0.0	0.0	0.0	-999.9	46.4
17	0.0	-999.9	3.0	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	11.2	28.6
18	-999.9	0.0	0.0	-999.9	0.0	-999.9	0.0	21.0	0.0	0.0	0.0	1.9	22.9
19	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
20	0.0	2.0	0.0	-999.9	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	2.0
21	0.0	-999.9	-999.9	0.0	0.0	0.0	-999.9	55.0	14.7	0.0	0.0	0.0	69.7
22	-999.9	0.0	-999.9	0.0	0.0	-999.9	2.4	13.0	-999.9	0.0	0.0	0.0	15.4
23	0.0	0.0	0.0	-999.9	0.0	0.0	16.5	0.0	0.0	0.0	-999.9	0.0	16.5
24	-999.9	0.0	0.0	0.0	-999.9	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0
25	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
26	16.2	0.0	0.0	-999.9	0.0	0.0	53.0	0.0	18.8	0.0	0.0	0.0	88.0
27	0.5	0.0	0.0	-999.9	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-999.9	0.0
29	0.0	0.0	-999.9	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
30	0.0	0.0	0.0	0.0	0.0	29.0	-999.9	-999.9	0.0	0.0	0.0	0.0	29.0
31	0.1	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.1
Max	62.8	32.7	9.8	0.0	4.0	29.0	53.0	55.0	18.8	0.0	0.0	11.2	276.3
Total	111.7	61.2	12.8	0.0	6.3	44.5	216.3	213.0	74.0	0.0	0.0	13.1	752.9

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

999.9 means that the record is not available.

DAILY RAINFALL AT RAMC STATION IN 2001 (13/13)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	-999.9	0.0	0.0	-999.9	0.0	0.0	65.4	0.0	0.0	0.0	0.0	0.0	65.4
2	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-999.9	0.0	0.2	0.0	3.4
3	0.0	0.0	0.0	1.0	0.0	19.5	16.0	0.0	-999.9	3.2	6.8	-999.9	46.5
4	0.0	0.0	0.0	-999.9	0.0	6.0	0.0	12.0	0.0	21.2	0.0	0.0	39.2
5	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
6	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
7	0.0	0.0	0.0	0.0	6.4	2.1	17.0	56.2	0.0	0.0	0.0	0.0	81.7
8	0.0	0.0	0.0	0.0	1.2	0.0	47.4	0.0	0.0	0.0	0.0	0.0	48.6
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
10	0.0	0.0	0.0	0.0	0.0	2.0	12.6	0.0	0.0	0.0	0.0	0.0	14.6
11	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0	2.8	0.0	-999.9	21.6
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	0.0	0.0	4.5
13	0.0	0.0	4.2	0.5	0.0	44.5	-999.9	0.0	0.0	0.0	0.0	0.0	49.2
14	0.0	0.0	0.0	0.2	-999.9	0.0	0.0	44.0	17.9	0.0	0.0	-999.9	62.1
15	0.0	0.0	0.0	0.0	0.0	7.1	-999.9	3.0	0.0	0.0	0.0	0.0	10.1
16	0.0	-999.9	0.0	-999.9	0.0	0.0	48.4	0.8	0.0	0.0	0.0	-999.9	49.2
17	0.0	0.0	0.0	1.0	0.0	52.6	6.0	0.0	0.0	0.0	0.0	0.0	59.6
18	0.0	0.0	0.0	2.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	2.6
19	0.0	0.0	-999.9	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	-999.9	-999.9	0.0	5.8	0.0	0.0	0.0	1.2	0.0	0.0	0.0	7.0
21	0.0	-999.9	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
22	0.0	0.0	0.0	0.0	0.0	-999.9	0.0	20.5	0.0	0.0	0.0	0.0	20.5
23	0.0	-999.9	0.0	0.0	0.0	0.0	334.6	60.0	0.0	0.0	0.0	0.0	394.6
24	0.0	0.0	0.0	0.0	-999.9	13.4	37.0	0.0	0.0	0.0	0.0	0.0	50.4
25	0.0	0.0	0.0	-999.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0
27	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
28	0.0	0.0	6.5	-999.9	0.0	0.0	48.8	0.0	0.0	0.0	0.0	0.0	55.3
29	0.0	0.0	20.0	0.0	9.4	0.0	23.4	0.0	0.0	0.0	0.0	0.0	52.8
30	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
31	0.0	0.0	0.5	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	14.5
Max	0.0	0.0	20.0	2.0	9.4	52.6	334.6	60.0	17.9	21.2	6.8	0.4	524.9
Total	0.0	0.0	31.7	4.7	26.7	186.4	675.4	211.5	20.6	30.2	7.0	0.4	1194.6

Note: -999.9 means that it rained too little to measure.

Note: Daily rainfall is total rainfall between 1200 hours (GMT) of the previous day and 1200 hours (GMT) of the day.

1.4 DAILY RAINFALL AT SAIDPUR STATION

DAILY RAINFALL AT SAIDPUR STATION IN 1994 (1/8)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	25.0	0.0	-999.9	0.0	25.0
2	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	0.0	0.0
3	999.9	999.9	999.9	999.9	999.9	999.9	999.9	64.0	0.0	0.0	-999.9	0.0	64.0
4	999.9	999.9	999.9	999.9	999.9	999.9	999.9	192.0	3.5	0.0	-999.9	0.0	195.5
5	999.9	999.9	999.9	999.9	999.9	999.9	999.9	48.5	12.0	0.0	-999.9	12.0	72.5
6	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	43.0	43.0
7	999.9	999.9	999.9	999.9	999.9	999.9	999.9	196.5	0.0	0.0	-999.9	16.5	213.0
8	999.9	999.9	999.9	999.9	999.9	999.9	999.9	52.0	0.0	0.0	-999.9	0.0	52.0
9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	2.5	86.0	0.0	-999.9	0.0	88.5
10	999.9	999.9	999.9	999.9	999.9	999.9	999.9	144.0	0.0	0.0	-999.9	0.0	144.0
11	999.9	999.9	999.9	999.9	999.9	999.9	999.9	33.0	0.0	0.0	-999.9	0.0	33.0
12	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	0.0	0.0
13	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	0.0	0.0
14	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	3.0	0.0	-999.9	0.0	3.0
15	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	0.0	0.0
16	999.9	999.9	999.9	999.9	999.9	999.9	999.9	119.0	0.0	0.0	-999.9	0.0	119.0
17	999.9	999.9	999.9	999.9	999.9	999.9	999.9	9.8	0.0	0.0	-999.9	0.0	9.8
18	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	0.0	0.0
19	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	0.0	0.0
20	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	0.0	0.0
21	999.9	999.9	999.9	999.9	999.9	999.9	999.9	28.0	0.0	0.0	-999.9	1.6	29.6
22	999.9	999.9	999.9	999.9	999.9	999.9	999.9	40.0	0.0	0.0	-999.9	0.0	40.0
23	999.9	999.9	999.9	999.9	999.9	999.9	999.9	234.0	0.0	0.0	-999.9	5.0	239.0
24	999.9	999.9	999.9	999.9	999.9	999.9	999.9	15.0	0.0	0.0	-999.9	0.0	15.0
25	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	2.5	2.5
26	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	10.0	0.0	-999.9	15.5	25.5
27	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	225.0	0.0	-999.9	6.0	231.0
28	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	30.5	30.5
29	999.9	999.9	999.9	999.9	999.9	999.9	999.9	0.0	0.0	0.0	-999.9	66.9	66.9
30	999.9	999.9	999.9	999.9	999.9	999.9	999.9	2.0	0.0	0.0	-999.9	0.0	2.0
31	999.9	999.9	999.9	999.9	999.9	999.9	999.9	49.0	0.0	0.0	-999.9	0.0	49.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.0	225.0	0.0	0.0	66.9	525.9
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1229.3	364.5	0.0	0.0	199.5	1793.3

Note: -999.9 means that it rained too little to measure. 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT SAIDPUR STATION IN 1995 (2/18)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.0	0.0	0.0	999.9	999.9	87.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	999.9	999.9	6.2
4	0.0	0.0	0.0	0.0	0.0	0.0	29.4	6.6	0.0	0.0	999.9	999.9	36.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.0	0.0	999.9	999.9	20.2
6	0.0	0.0	0.0	0.0	0.0	0.0	48.4	0.0	0.0	0.0	999.9	999.9	48.4
7	0.0	0.0	0.0	0.0	0.0	0.0	11.5	1.5	0.0	0.0	999.9	999.9	13.0
8	0.0	0.0	0.0	0.0	0.0	0.0	210.0	20.2	0.0	0.0	999.9	999.9	230.2
9	2.0	0.0	0.0	16.0	0.0	0.0	49.2	0.0	28.3	0.0	999.9	999.9	95.5
10	25.0	0.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	999.9	999.9	63.0
11	0.0	0.0	0.0	0.0	6.6	0.0	54.5	0.0	3.5	0.0	999.9	999.9	64.6
12	0.0	100.0	0.0	28.5	0.0	0.0	17.0	0.0	0.0	0.0	999.9	999.9	145.5
13	0.0	0.0	0.0	0.0	0.0	0.0	15.6	0.0	0.0	0.0	999.9	999.9	15.6
14	0.0	-999.9	0.0	0.0	0.0	0.0	1.1	26.6	0.0	0.0	999.9	999.9	27.7
15	0.0	3.0	0.0	2.0	0.0	0.0	53.6	3.5	0.0	4.0	999.9	999.9	66.1
16	0.0	0.0	0.0	1.0	0.0	0.0	0.0	14.9	0.0	8.5	999.9	999.9	24.4
17	0.0	0.0	0.0	5.0	0.0	0.0	40.2	1.2	0.0	0.0	999.9	999.9	46.4
18	0.0	10.4	0.0	0.0	60.7	0.0	5.8	22.7	0.0	0.0	999.9	999.9	99.6
19	0.0	0.0	0.0	6.5	0.0	17.0	39.5	0.0	0.0	1.2	999.9	999.9	64.2
20	0.0	0.0	0.0	0.0	1.0	4.0	6.5	4.3	0.0	0.0	999.9	999.9	15.8
21	0.0	0.0	0.0	0.0	3.4	0.0	27.5	45.3	0.0	0.0	999.9	999.9	76.2
22	0.0	0.0	0.0	6.1	1.3	25.8	0.0	0.0	0.0	0.0	999.9	999.9	33.2
23	0.0	10.5	4.0	0.0	0.0	0.0	27.3	0.0	0.0	0.0	999.9	999.9	41.8
24	0.0	0.0	9.0	0.0	0.0	0.0	7.3	30.0	0.0	0.0	999.9	999.9	46.3
25	0.0	8.5	15.5	0.0	2.2	0.0	111.2	30.7	0.0	0.0	999.9	999.9	168.1
26	0.0	0.0	17.3	0.0	51.3	0.0	17.9	0.0	0.0	0.0	999.9	999.9	86.5
27	0.0	0.0	0.0	0.0	0.0	0.0	1.9	19.0	0.0	0.0	999.9	999.9	20.9
28	0.0	0.0	62.0	0.0	0.0	0.0	13.0	56.0	0.0	0.0	999.9	999.9	131.0
29	0.0	0.0	0.0	0.0	0.0	0.0	42.1	0.0	28.0	0.0	999.9	999.9	70.1
30	0.0	0.0	9.6	0.0	0.0	0.0	0.0	13.2	0.0	0.0	999.9	999.9	22.8
31	0.0	0.0	1.5	0.0	0.0	0.0	0.0	17.7	0.0	0.0	999.9	999.9	19.2
Max	25.0	100.0	62.0	38.0	60.7	25.8	210.0	87.0	28.3	8.5	0.0	0.0	645.3
Total	27.0	132.4	118.9	103.1	126.5	46.8	830.5	420.6	59.8	19.9	0.0	0.0	1885.5

Note: -999.9 means that it rained too little to measure. 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT SAIDPUR STATION IN 1997 (318)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	999.9	999.9	0.0	0.7	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.8
2	999.9	999.9	0.0	38.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	39.3
3	999.9	999.9	0.0	42.0	2.0	0.0	0.0	18.8	15.4	0.0	0.0	0.0	78.2
4	999.9	999.9	0.0	32.3	0.0	50.0	2.5	0.0	0.0	11.0	0.0	0.0	95.8
5	999.9	999.9	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
6	999.9	999.9	0.0	0.0	0.0	0.0	0.0	0.0	85.4	0.0	0.0	0.0	85.4
7	999.9	999.9	0.0	0.0	8.2	0.0	0.0	0.0	0.0	5.2	0.0	0.0	13.4
8	999.9	999.9	0.0	0.0	37.0	0.0	0.0	16.7	74.6	0.0	0.0	21.0	149.3
9	999.9	999.9	0.0	0.0	20.0	1.0	0.0	2.0	1.7	0.0	4.5	0.0	29.2
10	999.9	999.9	0.0	0.0	0.0	0.0	13.5	2.7	0.1	0.0	4.8	0.0	21.1
11	999.9	999.9	0.0	0.0	0.0	0.0	29.5	0.0	2.6	4.5	0.0	0.0	36.6
12	999.9	999.9	0.0	0.0	2.5	4.8	0.0	136.5	0.0	0.0	0.0	0.0	143.8
13	999.9	999.9	0.0	5.0	0.0	0.0	0.0	33.2	44.0	0.0	0.0	0.0	82.2
14	999.9	999.9	0.0	0.0	1.0	0.0	61.4	0.0	0.7	0.0	0.0	0.0	63.1
15	999.9	999.9	3.0	13.0	8.0	0.0	34.5	0.0	0.0	0.0	0.0	0.0	58.5
16	999.9	999.9	6.7	1.6	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	10.4
17	999.9	999.9	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
18	999.9	999.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
19	999.9	999.9	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
20	999.9	999.9	0.0	0.0	0.0	0.0	82.1	0.0	0.0	10.3	0.0	0.0	92.4
21	999.9	999.9	0.0	0.0	0.0	0.8	0.0	0.0	17.0	10.0	0.0	0.0	27.8
22	999.9	999.9	5.0	0.0	0.0	0.0	49.5	54.8	0.0	0.0	0.0	0.0	109.3
23	999.9	999.9	1.3	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	10.3
24	999.9	999.9	0.0	0.0	0.0	0.0	40.6	0.0	0.0	0.0	0.0	0.0	40.6
25	999.9	999.9	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	6.5
26	999.9	999.9	0.0	0.0	0.0	0.0	23.8	3.0	0.0	0.0	5.0	0.0	31.8
27	999.9	999.9	0.0	11.9	0.0	10.8	43.3	180.0	0.0	8.0	7.4	0.0	261.4
28	999.9	999.9	13.5	0.0	0.0	3.5	0.0	190.0	0.0	0.0	0.0	0.0	207.0
29	999.9		15.5	0.0	0.0	9.0	17.0	0.0	10.0	0.5	0.0	3.5	55.5
30	999.9		0.0	10.8	0.0	0.0	24.8	0.0	0.0	3.5	0.0	0.0	39.1
31	999.9		0.0		0.0		16.0	0.0		0.0		0.0	16.0
Max	0.0	0.0	28.0	42.0	37.0	50.0	82.1	190.0	85.4	11.0	7.4	21.0	553.9
Total	0.0	0.0	77.0	160.5	82.6	79.9	440.6	649.1	251.5	53.0	23.7	24.5	1842.4

Note: 999.9 means that the record is not available.

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT SAIDPUR STATION IN 1998 (4/8)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	2.5	0.0	0.0	1.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	22.5
2	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
3	0.0	0.0	15.2	0.0	3.0	0.0	0.0	28.0	25.0	0.0	0.0	0.0	71.2
4	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0
5	0.0	0.0	5.0	0.0	12.4	0.0	0.0	21.8	0.0	9.0	0.0	0.0	48.2
6	0.0	0.0	0.0	0.0	0.0	0.0	14.0	28.0	0.0	0.0	0.0	0.0	42.0
7	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	6.1
8	1.0	0.0	0.0	18.0	15.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	44.0
9	0.0	0.0	0.0	18.5	0.0	0.0	22.6	0.0	28.0	0.0	0.0	0.0	69.1
10	0.0	0.0	0.0	0.0	0.0	0.0	9.6	46.0	35.5	5.5	0.0	0.0	96.6
11	0.0	0.0	0.0	0.0	0.0	0.0	51.5	0.0	27.0	0.0	0.0	0.0	78.5
12	0.0	0.0	9.5	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5
13	11.0	0.0	3.0	0.0	0.0	6.0	31.5	0.0	0.0	0.0	0.0	0.0	51.5
14	0.0	0.0	0.0	0.0	0.0	0.0	1.4	11.0	0.0	0.0	0.0	0.0	12.4
15	23.0	97.5	0.0	0.0	0.0	0.0	5.5	75.0	0.0	0.0	0.0	0.0	201.0
16	0.0	4.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	1.2	0.0	0.0	59.2
17	0.0	32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	33.0
18	0.0	33.5	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5
19	0.0	5.0	0.0	0.0	0.0	0.0	5.0	36.0	0.0	0.0	0.0	0.0	46.0
20	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.5	0.0	0.0	0.0	0.0	4.7
21	0.0	0.0	0.0	12.5	0.0	0.0	0.0	49.6	0.0	0.0	0.0	0.0	62.1
22	0.0	0.0	0.5	0.0	0.0	0.0	0.0	24.5	0.0	0.0	0.0	0.0	25.0
23	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
24	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0
25	0.0	69.5	0.0	4.5	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	88.5
26	0.0	0.0	0.0	75.2	0.0	0.0	5.1	12.9	0.0	0.0	0.0	0.0	93.2
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	3.5
28	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
29	0.0		1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
30	0.0		0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
31	1.0		0.0		0.0		4.6	11.0		0.0		0.0	16.6
Max	23.0	97.5	80.0	75.2	15.0	23.0	54.0	75.0	35.5	9.0	0.0	0.0	487.2
Total	36.0	279.0	114.7	139.7	31.4	34.0	234.1	358.8	125.5	19.7	0.0	0.0	1372.9

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT SAIDPUR STATION IN 1999 (5/8)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	8.2	10.0	0.0	0.0	0.0	0.0	18.2
2	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	20.0
3	0.0	9.0	0.0	0.0	0.0	0.0	55.8	0.0	0.0	0.0	0.0	0.0	64.8
4	0.0	0.0	0.0	0.0	0.0	11.3	9.0	4.6	0.0	0.0	9.5	0.0	34.4
5	0.0	0.0	8.5	0.0	0.0	0.0	0.9	4.6	0.0	0.0	6.5	0.0	20.5
6	4.5	0.0	1.0	0.0	0.0	0.0	3.2	0.0	20.0	0.0	15.2	0.0	43.9
7	37.5	0.0	2.8	0.0	0.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0	112.3
8	0.7	0.0	14.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	15.7
9	0.0	0.0	4.6	0.0	0.0	0.0	0.0	106.2	0.0	0.0	0.0	0.0	110.8
10	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
11	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
12	0.0	1.9	0.0	0.0	2.0	0.0	8.2	141.2	0.0	0.0	0.0	0.0	153.3
13	0.0	0.0	0.0	0.0	2.8	0.0	0.0	24.2	0.0	0.0	0.8	0.0	27.8
14	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
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0
16	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
17	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	2.0	0.0	0.0	0.0	29.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.2	0.0	0.0	0.0	116.2
19	0.0	18.5	0.0	0.0	0.0	0.0	35.5	0.0	0.0	0.0	0.0	0.0	54.0
20	2.0	0.0	9.0	0.0	0.0	33.2	19.0	0.0	0.0	0.0	0.0	0.0	63.2
21	18.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4
22	0.5	0.0	0.0	0.0	14.5	0.0	0.0	2.0	0.0	0.0	0.8	0.0	17.8
23	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
24	18.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	0.0	0.0	0.0	48.2
25	17.0	0.0	5.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	30.6
26	0.0	0.0	0.0	0.0	0.0	0.0	16.0	46.2	0.0	0.0	0.0	0.0	62.2
27	2.5	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	6.7
28	3.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	6.6
29	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	38.0	0.0	0.0	0.0	38.8
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
Max	37.5	18.5	14.0	0.0	14.5	33.2	55.8	141.2	116.2	0.0	15.2	0.0	446.1
Total	111.7	34.4	50.3	0.0	19.3	48.3	195.0	421.0	226.4	0.0	32.8	0.0	1139.2

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT SAIDPUR STATION IN 2000 (6/18)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	17.0	0.0	0.0	0.0	0.0	0.0	52.5	2.0	0.0	0.0	0.0	71.5
2	0.0	24.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	30.0
3	0.0	0.0	0.0	0.0	0.0	0.0	8.0	3.0	12.2	0.0	0.0	0.0	23.2
4	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
5	0.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6
6	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
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	20.5	0.0	0.0	0.0	35.5
8	0.0	0.0	0.0	0.0	0.0	9.0	56.2	0.0	0.0	0.0	0.0	0.0	65.2
9	0.0	0.0	0.0	0.0	0.0	53.0	0.0	0.5	68.0	0.0	0.0	0.0	121.5
10	0.0	28.0	0.0	0.0	0.0	0.0	19.0	21.5	1.5	0.0	0.0	0.0	70.0
11	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
12	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	12.2
13	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
14	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	3.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	0.0	0.0	0.0	0.0	38.6
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	14.0
17	0.0	0.0	3.0	0.0	0.0	0.0	22.0	41.0	0.0	0.0	0.0	17.0	83.0
18	0.0	0.0	0.0	0.0	0.0	17.0	8.0	41.0	0.0	0.0	0.0	0.0	66.0
19	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
20	0.0	0.0	0.0	0.0	0.0	0.0	42.4	0.0	0.0	0.0	0.0	0.0	42.4
21	0.0	5.4	0.0	0.0	0.0	1.5	0.0	43.0	31.5	0.0	0.0	0.0	81.4
22	0.0	0.0	0.0	0.0	0.0	2.0	18.2	46.0	5.0	0.0	0.0	0.0	71.2
23	0.0	0.0	0.0	0.0	0.0	0.0	59.0	0.0	0.0	0.0	0.0	0.0	59.0
24	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0	0.0	46.0
27	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
28	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
29	0.0		1.2	0.0	0.0	11.0	0.0	37.2	0.0	0.0	0.0	0.0	49.4
30	0.0		0.0	0.0	0.0	96.5	4.2	0.0	0.0	0.0	0.0	0.0	100.7
31	0.0		0.0		0.0		0.0	12.0		0.0		0.0	12.0
Max	0.0	28.0	13.6	0.0	27.0	96.5	59.0	52.5	68.0	0.0	0.0	17.0	361.6
Total	0.0	74.4	19.8	0.0	31.2	195.0	252.6	371.3	187.3	0.0	0.0	17.0	1148.6

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT SAIDPUR STATION IN 2001 (7/18)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	33.8	0.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	75.8
2	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
3	0.0	0.0	0.0	0.0	0.0	8.0	38.0	0.0	0.0	0.0	1.6	0.0	47.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.4	0.0	5.9	0.0	0.0	37.3
5	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	0.0	0.0	0.0	0.0	15.6
7	0.0	0.0	0.0	0.0	0.0	12.2	3.5	10.2	0.0	0.0	0.0	0.0	25.9
8	0.0	0.0	0.0	0.0	4.5	0.0	36.0	0.0	0.0	0.0	0.0	0.0	40.5
9	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.8	0.0	0.0	0.0	0.0	9.4
10	0.0	0.0	0.0	0.0	0.0	8.5	1.0	0.0	0.0	0.0	0.0	0.0	9.5
11	0.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0	49.0
12	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	11.0	16.1	0.0	0.0	36.9
13	0.0	0.0	4.6	0.5	0.0	1.7	2.4	0.0	0.0	0.0	0.0	0.0	9.2
14	0.0	0.0	0.0	0.0	0.0	32.5	0.0	0.0	12.0	0.0	0.0	0.0	44.5
15	0.0	0.0	0.0	0.0	0.0	15.5	0.0	49.4	0.0	0.0	0.0	0.0	64.9
16	0.0	0.0	0.0	0.0	0.0	0.0	64.4	46.3	0.0	0.0	0.0	0.0	110.7
17	0.0	0.0	0.0	0.0	0.0	18.5	26.4	0.0	0.0	0.0	0.0	0.0	44.9
18	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
20	0.0	0.0	0.0	0.0	43.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	60.0
21	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
22	0.0	0.0	1.2	0.0	0.0	0.0	0.0	27.6	0.0	0.0	0.0	0.0	28.8
23	0.0	0.0	0.0	0.0	0.0	1.5	103.5	15.2	0.0	0.0	0.0	0.0	120.2
24	0.0	0.5	0.0	0.0	0.0	26.5	227.2	0.0	0.0	0.0	0.0	0.0	254.2
25	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	7.6
26	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
27	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0
28	0.0	0.0	6.5	0.0	0.0	0.0	31.5	0.0	0.0	0.0	0.0	0.0	38.0
29	0.0	0.0	15.0	0.0	10.6	0.0	131.6	0.0	0.0	0.0	0.0	0.0	157.2
30	0.0	0.0	1.0	0.0	0.0	0.0	42.4	0.0	0.0	0.0	0.0	0.0	43.4
31	0.0	0.0	10.2	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0	20.0
Max	0.0	0.5	15.0	33.8	43.0	32.5	227.2	49.4	17.0	16.1	1.6	0.0	436.1
Total	0.0	0.5	38.5	34.3	71.9	171.4	824.9	206.3	40.0	22.0	2.6	0.0	1412.4

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

DAILY RAINFALL AT SAIDPUR STATION IN 2002 (8/8)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	33.0				34.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.0				51.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0					5.0
6	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0					27.0
7	0.0	3.8	0.0	2.5	0.0	0.0	0.0	42.5					48.8
8	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0					4.0
9	0.0	0.0	8.2	0.0	0.0	0.0	0.0	132.2					140.4
10	0.0	0.0	22.4	0.0	0.0	0.0	0.0	3.2					25.6
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
12	0.0	0.0	0.0	0.0	0.0	1.6	0.0	116.0					117.6
13	0.0	0.0	0.0	0.0	0.0	0.0	1.7	135.7					137.4
14	13.0	0.0	0.0	0.0	0.7	0.0	0.0	78.0					91.7
15	0.0	0.0	0.0	0.0	1.3	0.0	0.0	14.5					15.8
16	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0					4.5
17	0.0	0.0	0.0	0.0	0.0	33.7	0.0	0.0					33.7
18	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0					6.2
19	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.6					3.6
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0					72.0
21	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0					7.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
23	0.0	23.0	0.0	1.8	0.0	26.4	0.0	40.0					91.2
24	0.0	0.0	37.0	0.0	0.0	81.6	0.0	0.0					118.6
25	0.0	0.0	0.0	0.0	0.0	0.0	28.0	82.0					110.0
26	0.0	0.0	0.0	0.0	0.0	23.6	0.0	58.0					81.6
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4					7.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6					5.6
29	0.0		0.0	0.0	4.6	9.4	28.0	8.2					50.2
30	0.0		0.0	0.0	0.0	0.0	7.0	60.0					67.0
31	0.0		0.0		0.0	0.0	0.0	0.0					0.0
Max	13.0	23.0	37.0	2.5	4.6	81.6	28.0	135.7	51.0	0.0	0.0	0.0	376.4
Total	13.0	30.8	76.2	4.3	6.6	181.8	97.9	862.9	84.0	0.0	0.0	0.0	1357.5

Note: Daily rainfall is total rainfall between 0300 hours (GMT) of the previous day and 0300 hours (GMT) of the day.

1.5 3-HOUR RAINFALL AT CHAKLALA STATION

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (1/17)

1) '70 (inch)

Duration (GMT)	Date of 1st day of 3 consecutive days						
	24-Jan-70	2-Jul-70	11-Aug-70	23-Aug-70			
00 - 03		1.58	0.08				
03 - 06		0.10	0.15				
06 - 09	TR						
09 - 12	0.05						
12 - 15	0.28						
15 - 18	0.38						
18 - 21	0.50		2.04				
21 - 24	0.45		0.45				
00 - 03	0.80		0.95	0.10			
03 - 06	0.04		0.05				
06 - 09							
09 - 12							
12 - 15							
15 - 18		0.12					
18 - 21		1.64	0.05				
21 - 24		0.85	2.00				
00 - 03		0.05	0.73				
03 - 06			0.05				
06 - 09	TR						
09 - 12				1.25			
12 - 15				TR			
15 - 18				TR			
18 - 21							
21 - 24				0.40			

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (2/17)

2) '71 (inch) 3) '72 (inch)

Duration (GMT)	Date of 1st day of 3 consecutive days			Date of 1st day of 3 consecutive days		
	22-Jun-71	8-Aug-71	26-Aug-71	15-Sep-72	17-Oct-72	9-Dec-72
00 - 03	0.21	0.02	0.66		XXX	TR
03 - 06	0.07		4.55		XXX	0.25
06 - 09			0.05		XXX	0.21
09 - 12					XXX	0.22
12 - 15					XXX	0.20
15 - 18		0.30			XXX	0.51
18 - 21		1.75		TR	XXX	0.52
21 - 24	2.00	0.14		1.82	XXX	0.09
00 - 03	1.85	0.22	0.25	0.08	XXX	
03 - 06	0.25	TR	0.06		XXX	
06 - 09	0.15				XXX	
09 - 12	TR				XXX	
12 - 15					XXX	
15 - 18				TR	XXX	
18 - 21				TR	XXX	
21 - 24		0.12			XXX	
00 - 03		0.68			XXX	
03 - 06					XXX	
06 - 09					XXX	
09 - 12				0.10	XXX	
12 - 15					XXX	
15 - 18				TR	XXX	
18 - 21				0.08	XXX	
21 - 24				0.06	XXX	

TR: Trace (It rained to little to measure.) XXX: No data

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (3/17)

4) '73 (inch) 5) '74 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days			Date of 1st day of 3 consecutive days		
	25-Jul-73	3-Aug-73	12-Aug-73	14-Jul-74	17-Jul-74	22-Jul-74
00 - 03	0.05	XXX	XXX		TR	
03 - 06		XXX	XXX			16.00
06 - 09		XXX	XXX			8.10
09 - 12		XXX	XXX			
12 - 15		XXX	XXX			
15 - 18		XXX	XXX			
18 - 21	4.10	XXX	XXX			6.30
21 - 24	0.07	XXX	XXX	5.30		33.00
00 - 03		XXX	XXX	128.60		27.00
03 - 06		XXX	XXX	15.20		2.00
06 - 09		XXX	XXX	11.40		
09 - 12		XXX	XXX			
12 - 15	TR	XXX	XXX			
15 - 18	0.16	XXX	XXX			
18 - 21	0.46	XXX	XXX			6.90
21 - 24	0.24	XXX	XXX		1.80	2.00
00 - 03		XXX	XXX		0.80	119.40
03 - 06		XXX	XXX		TR	1.00
06 - 09		XXX	XXX	35.10		
09 - 12		XXX	XXX	5.00		
12 - 15		XXX	XXX	TR		
15 - 18		XXX	XXX	TR	14.70	
18 - 21		XXX	XXX	TR	7.10	
21 - 24		XXX	XXX			7.80

TR: Trace (It rained to little to measure.) XXX: No data

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (4/17)

6) '75 (mm) 7) '76 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days			Date of 1st day of 3 consecutive days					
	4-Jul-75	18-Jul-75	18-Aug-75	21-Aug-75	20-Jul-76	29-Jul-76	1-Aug-76	4-Aug-76	2-Sep-76
00 - 03			XXX	XXX	3.8	11.6	10.7	XXX	
03 - 06			XXX	XXX	0.3	TR	XXX	XXX	TR
06 - 09	TR		XXX	XXX			XXX	XXX	101.6
09 - 12	47.0		XXX	XXX	0.7		XXX	XXX	12.4
12 - 15	12.7		XXX	XXX	TR		XXX	XXX	4.0
15 - 18	7.6	3.3	XXX	XXX			XXX	XXX	
18 - 21			XXX	XXX	TR		XXX	XXX	
21 - 24			XXX	XXX	78.2	91.5	XXX	XXX	
00 - 03		58.4	XXX	XXX	6.3	TR	XXX	XXX	2.0
03 - 06			XXX	XXX	4.6		XXX	XXX	0.5
06 - 09			XXX	XXX	TR		XXX	XXX	1.3
09 - 12			XXX	XXX			XXX	XXX	12.2
12 - 15			XXX	XXX			XXX	XXX	2.0
15 - 18			XXX	XXX			XXX	XXX	TR
18 - 21			XXX	XXX			XXX	XXX	
21 - 24			XXX	XXX			XXX	XXX	
00 - 03			XXX	XXX			XXX	XXX	
03 - 06			XXX	XXX			XXX	XXX	
06 - 09			XXX	XXX			XXX	XXX	
09 - 12			XXX	XXX		5.3	XXX	XXX	
12 - 15			XXX	XXX		7.6	XXX	XXX	
15 - 18			XXX	XXX		19.1	XXX	XXX	
18 - 21			XXX	XXX		10.9	XXX	XXX	
21 - 24		21.6	XXX	XXX		6.9	XXX	XXX	

TR: Trace (It rained to little to measure.) XXX: No data

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (5/17)

8) '77 (mm) 9) '78 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days			Date of 1st day of 3 consecutive days		
	5-Jul-77	29-Jun-78	20-Jul-78	2-Aug-78	10-Aug-78	27-Jul-78
00 - 03	TR		1.8	43.2	6.1	
03 - 06			0.1	TR	69.9	
06 - 09			42.0		3.0	
09 - 12			2.0		1.5	50.0
12 - 15	TR				1.0	4.0
15 - 18	TR					
18 - 21	TR		58.4	TR	23.6	
21 - 24	52.3		10.2	30.5	35.3	2.0
00 - 03	81.3		44.5	16.0	37.3	14.0
03 - 06	23.7		16.5	11.0	26.7	2.5
06 - 09			10.0	2.8	TR	
09 - 12			TR	0.8		
12 - 15						
15 - 18						
18 - 21			14.0		TR	
21 - 24	7.6				1.0	3.8
00 - 03					2.3	
03 - 06				TR	1.3	
06 - 09				2.0	16.3	
09 - 12					TR	
12 - 15				1.3		
15 - 18	TR			1.3		
18 - 21	TR			2.5		10.2
21 - 24	24.9			1.0	TR	TR

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (6/17)

10) '79 (mm) 11) '80 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days			Date of 1st day of 3 consecutive days		
	19-Feb-79	2-Aug-79	15-Sep-79	20-Mar-80	4-Jul-80	15-Jul-80
00 - 03	8.9	14.5				11.0
03 - 06	8.9	9.1			TR	1.0
06 - 09	31.7	2.0	60.0		TR	
09 - 12	10.5		2.0	TR	4.1	
12 - 15	6.1		1.8		TR	
15 - 18	3.3					
18 - 21				0.8		
21 - 24	6.6			TR		
00 - 03	3.6	TR		2.0	7.4	38.1
03 - 06	TR			0.8	6.1	TR
06 - 09	TR				TR	
09 - 12	TR					
12 - 15				47.5		
15 - 18				11.7		
18 - 21		TR	TR	TR	TR	39.4
21 - 24		52.1				3.8
00 - 03		3.6			45.0	7.4
03 - 06		TR			TR	4.3
06 - 09						
09 - 12						
12 - 15						
15 - 18						
18 - 21						
21 - 24			9.0			

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (7/17)

(mm)

(mm) 13) '82

12) '81

Duration (GMT)	Date of 1st day of 3 consecutive days			Date of 1st day of 3 consecutive days			
	4-May-81	13-Jul-81	24-Jul-81	4-Aug-81	24-Jan-02	5-Aug-82	8-Aug-82
00 - 03			TR		TR		
03 - 06			15.6				
06 - 09			96.5		TR		
09 - 12			3.8		TR		
12 - 15	45.2		TR		11.9		
15 - 18	15.2				12.8		
18 - 21	5.1			3.8	TR	TR	
21 - 24		101.8	2.5	14.7	16.2	76.2	18.3
00 - 03		22.0	TR	88.8	TR	12.7	8.9
03 - 06		TR		12.7		TR	1.5
06 - 09				TR	6.9	TR	
09 - 12					0.8		
12 - 15					7.9		
15 - 18					TR		
18 - 21			TR		3.0	9.3	
21 - 24	6.3				1.8	12.7	23.1
00 - 03					TR	68.5	156.1
03 - 06				25.4	TR	12.7	20.3
06 - 09				1.5	TR	8.9	88.9
09 - 12						TR	6.6
12 - 15							
15 - 18							
18 - 21							
21 - 24							

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (8/17)

14) '83 (mm) 15) '84 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days							
	26-Jan-83	16-Mar-83	16-Apr-83	25-Jul-83	4-Aug-83	26-Aug-83	1-Sep-83	15-Sep-83	17-Mar-84	27-Jun-84	7-Jul-84	16-Jul-84	28-Jul-84	13-Aug-84
00 - 03			25.4	43.2	TR				7.6	TR		TR	2.5	
03 - 06			25.4	2.0	TR	2.0	26.4		12.7	50.8			10.1	3.8
06 - 09			3.8		59.7	15.7	38.1	55.9	10.2	TR			12.6	
09 - 12	TR					105.0	21.6	TR	2.0				0.3	
12 - 15	3.0	TR	TR			50.8	1.8		2.0					
15 - 18	15.2					0.0	1.8					TR		
18 - 21	25.4	TR	TR		11.2	0.0			1.0		101.6		27.0	
21 - 24	14.0		2.0	76.2	0.0	0.0		2.0	14.0	11.7	20.3		10.2	TR
00 - 03	4.6		2.5		5.1	0.0			6.0	50.0		29.2	TR	50.2
03 - 06	TR			TR		0.0			TR	12.7		4.1	11.2	17.3
06 - 09			3.8							TR		2.5	1.3	2.0
09 - 12			1.0						4.1				1.0	
12 - 15	2.5					TR					3.6			
15 - 18	13.2	TR			1.3	2.0				20.3	1.0			
18 - 21	11.2			2.8						7.8				
21 - 24	11.4			1.0						2.0				
00 - 03	TR													3.0
03 - 06		TR				TR								2.0
06 - 09				TR										
09 - 12				TR										
12 - 15	TR													
15 - 18	9.1	1.0								TR				
18 - 21	2.0	1.3								TR				
21 - 24	TR	6.9								6.6				2.0

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (9/17)

16) '85 (mm) 17) '86 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days				Date of 1st day of 3 consecutive days					
	7-Jul-85	12-Jul-85	24-Jul-85	29-Jul-85	24-Aug-85	10-Jul-86	17-Jul-86	13-Aug-86	18-Aug-86	28-Sep-86
00 - 03				TR	2.0					
03 - 06				TR	TR					6.3
06 - 09								TR		
09 - 12										
12 - 15									13.0	30.7
15 - 18	TR		1.8	14.2	31.7		2.3		2.5	
18 - 21	14.5	25.4	4.1		17.0		4.0			
21 - 24	8.0		34.0		35.6		4.1	1.0	9.7	
00 - 03	63.5	33.2	12.7	3.3			6.3	7.4	9.4	
03 - 06	7.9	35.0	6.3	TR			3.6	2.8	1.0	
06 - 09		6.3	1.0				4.6			
09 - 12			TR				1.3			
12 - 15								30.5		
15 - 18								6.3		
18 - 21								TR		
21 - 24		101.6	2.0	TR				TR	5.8	
00 - 03		1.2		19.8				TR	5.1	
03 - 06		4.3						TR		
06 - 09				0.5	TR				1.0	
09 - 12				3.3				TR		
12 - 15				TR						
15 - 18							10.7			
18 - 21							8.4			
21 - 24							3.8			

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (10/17)

(mm)

(mm) 19) '88

18) '87

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days							
	23-Feb-87	7-May-87	12-Aug-87	17-Aug-87	23-Aug-87	1987/10/10	10-Mar-88	4-Jul-88	10-Jul-88	13-Jul-88	16-Jul-88	30-Jul-88	13-Aug-88	15-Sep-88
00 - 03					3.0			7.6			4.1	TR	TR	1.5
03 - 06	TR				1.5	TR		7.6			11.4	8.9	TR	
06 - 09	8.9							15.5			1.0	4.8		
09 - 12	TR			15.0				8.9			7.6	TR		TR
12 - 15	2.5	24.6				22.6		16.8			6.9			12.7
15 - 18	TR	14.7	TR			3.8		4.8	TR	4.8	0.8			15.2
18 - 21	6.6	4.8	56.9			TR		8.9	TR	TR		TR		6.6
21 - 24	10.2	2.8	TR	38.1	19.3			1.0	22.9		18.9		32.3	2.5
00 - 03	8.1	3.0		20.6	3.8			TR	8.4		3.8		10.2	20.3
03 - 06	12.7			TR	5.3			TR			2.0			20.6
06 - 09	15.0				13.5			15.2			12.7		TR	
09 - 12	6.3					3.0		21.6			5.3			
12 - 15	0.8					30.5		2.5			TR			
15 - 18		2.0				TR								
18 - 21	TR	11.7						TR			TR			1.0
21 - 24	19.1	2.5						TR	16.5		15.2		11.9	19.1
00 - 03	2.5	TR	TR					2.8	TR		30.0		54.9	TR
03 - 06		0.5	TR					TR	5.3		8.4			
06 - 09						TR			19.8		6.3			
09 - 12						TR			TR		14.0			
12 - 15										TR				3.8
15 - 18										TR				1.3
18 - 21		10.2								TR				
21 - 24		5.1						TR	15.2		TR			

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (11/17)

20) '89		(mm) 21) '90													
Duration (GMT)	Date of 1st day of 3 consecutive days										Date of 1st day of 3 consecutive days				
	5-Jan-89	3-Jul-89	13-Jul-89	28-Jul-89	31-Jul-89	13-Aug-89	19-Aug-89	5-Jul-90	25-Jul-90	7-Aug-90	10-Aug-90	13-Aug-90	22-Aug-90	28-Aug-90	4-Sep-90
00 - 03	2.8	TR	TR	TR	83.8	TR	2.0	TR	TR	TR	TR	TR	2.5		
03 - 06	7.6					12.7	TR	TR	TR	TR	TR	TR	TR		
06 - 09	5.1								TR						
09 - 12	9.7													38.1	
12 - 15	5.6													8.9	
15 - 18	1.5			3.3								TR			
18 - 21	0.5		76.2	TR		30.5		43.9		3.6				10.4	
21 - 24	16.3	12.4	4.8			25.4	35.3			8.9			8.6	1.3	7.6
00 - 03	9.9	2.5				1.3	49.2		60.2	0.8			2.5	74.9	11.9
03 - 06	TR	TR	TR		1.3		8.9	TR	TR				TR	TR	28.2
06 - 09				TR	TR									10.7	5.1
09 - 12							5.1			5.1					
12 - 15															
15 - 18				TR											
18 - 21					60.4		TR		TR					24.1	
21 - 24			10.2	8.9			30.4		22.9	6.1				4.6	
00 - 03	TR	TR	15.2	7.1					TR	65.5				2.5	
03 - 06	TR	TR	TR	5.1	1.0				TR	17.8				2.5	
06 - 09				2.5							4.6		TR		
09 - 12			1.6	TR											
12 - 15		TR	TR	TR											
15 - 18			TR	TR							TR				
18 - 21							TR				46.5				
21 - 24				25.4			45.7		14.5		17.8				

TR: Trace (ft rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (12/17)

22) '91 (mm) 23) '92 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days									
	10-Feb-91	12-Jul-91	30-Jul-91	8-Aug-91	18-Aug-91	31-Aug-91	5-Sep-91	14-Sep-91	29-Jan-92	12-Feb-92	7-Jul-92	13-Jul-92	2-Aug-92	16-Aug-92	8-Sep-92	11-Sep-92
00 - 03	2.0		TR						2.5	TR		26.9		1.8		
03 - 06	1.8		3.0						3.6	TR						
06 - 09	9.4	28.0	TR		17.8		TR		4.6	2.5			5.8	56.0	TR	
09 - 12	2.0	TR			TR			4.3	7.9	3.8		TR	TR	TR		
12 - 15	0.5	TR							10.2	3.0				TR		
15 - 18	0.3			23.4					19.1	11.4					2.0	
18 - 21	3.6			28.4			4.3		2.3	10.2				1.0	4.5	
21 - 24	15.0	41.1	50.8	6.3	28.2	TR	21.4			10.9		4.6	10.9	36.8	6.7	
00 - 03	18.5	TR	11.6	2.0	8.9	20.2	10.2	31.0	1.8	7.4		56.4	76.7	17.8	6.1	
03 - 06	TR	0.8			TR	35.1		6.1	5.8	TR		12.7	11.7	TR	55.0	
06 - 09	1.0											75.4			22.7	
09 - 12															22.5	
12 - 15		TR		2.0								0.8			19.3	
15 - 18	0.3	1.3	TR								TR				38.0	
18 - 21		5.1													52.3	
21 - 24		15.2		5.1	2.3		6.9							1.0	10.0	
00 - 03		0.8	TR	TR	TR			6.1						4.1	3.6	
03 - 06			3.8					2.0						1.0	TR	
06 - 09		TR						1.8			TR			TR	TR	
09 - 12																
12 - 15																TR
15 - 18																TR
18 - 21											TR					
21 - 24		999.9			TR							14.0				

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (13/17)

24) '93 (mm) 25) '94 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days								
	10-Mar-93	22-Mar-93	7-Jul-93	21-Jul-93	2-Aug-93	9-Aug-93	4-Sep-93	3-Jul-94	19-Jul-94	22-Jul-94	28-Jul-94	2-Aug-94	6-Aug-94	9-Aug-94	30-Aug-94
00 - 03					14.0		23.0	TR	1.0	12.0	4.5				
03 - 06		TR			3.5			6.0	TR	TR	1.0			3.0	
06 - 09					TR			94.0	TR						16.0
09 - 12								13.0					4.0		
12 - 15				TR				2.0							
15 - 18	16.5	TR								4.5					
18 - 21	36.0	TR	19.0	19.0				4.1	45.5	1.0				75.0	
21 - 24	6.0	1.0	14.0	1.7	60.0			30.0	8.0	63.0		1.2	84.0	42.0	
00 - 03		3.0	7.0	TR	47.0	4.0	4.0	20.0	0.5	5.0	TR	3.0	8.0	TR	
03 - 06	TR	20.0	3.0		9.2	TR	TR	1.6		4.0	TR	24.0	TR		
06 - 09	TR	2.0	TR					TR				5.0	2.0		
09 - 12	TR		TR									7.0	TR		
12 - 15	5.8		TR					TR			TR				
15 - 18	1.5														
18 - 21		2.0					TR					85.0	TR		
21 - 24	TR	8.0	2.0	TR		2.0		5.1	TR	40.0	6.0	7.0			
00 - 03	17.0	2.0	TR	29.5		TR		8.8	53.0	TR	15.0	8.0	6.0	5.0	
03 - 06	1.8	2.0				TR		8.5		8.0	9.0	63.0	TR		
06 - 09		TR	TR	TR				1.0		14.0		7.0			
09 - 12	TR		TR							TR					
12 - 15			TR	TR							12.0				
15 - 18			TR								TR				
18 - 21							0.6			TR	TR				
21 - 24			10.0	TR		5.5				TR					

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (14/17)

26) '95 (mm) 27) '96 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days							Date of 1st day of 3 consecutive days								
	5-Jul-95	10-Jul-95	13-Jul-95	20-Jul-95	24-Jul-95	27-Jul-95	30-Jul-95	2-Aug-95	14-Jan-96	13-Mar-96	15-Jun-96	28-Jul-96	31-Jul-96	7-Aug-96	15-Aug-96	18-Aug-96
00 - 03				1.0				31.0	TR	TR		TR	18.0		TR	
03 - 06					52.0	TR		5.0	5.0				20.0	3.0	2.0	
06 - 09					28.0	22.5			3.2	33.0			12.0	TR	1.0	10.0
09 - 12				46.0	2.0	15.0			2.2				39.0			4.0
12 - 15				TR		5.0			10.0							
15 - 18						14.5			5.0							
18 - 21		32.0			TR	5.5			7.5	5.0						10.0
21 - 24	9.0	11.4				6.0			13.0	10.0	55.0	4.0	TR	TR	12.0	
00 - 03	34.5	4.0	22.0		1.6	18.0			6.6	20.0	108.0	35.0	95.0	4.0		
03 - 06	35.0		TR	TR	6.2	44.0					38.5	TR	2.0	TR		
06 - 09	1.0		TR	TR	4.0	47.0			TR			TR		1.8		
09 - 12					9.0	50.0			8.0							
12 - 15					3.0	8.4			1.0							
15 - 18										7.0						
18 - 21				5.0	5.0					13.8						
21 - 24		3.0	6.0	6.0	6.0					12.0			TR			
00 - 03		12.5	2.0		1.3				1.0	TR	2.0		TR			
03 - 06		12.5			2.2			TR		TR			TR			
06 - 09					4.2				2.0	TR						
09 - 12					10.6	TR		TR								
12 - 15					4.0			TR		TR						
15 - 18				TR	TR					TR						
18 - 21				4.0	TR		20.0				9.0					
21 - 24				4.6			68.0									

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (15/17)

28) '97 (mm) 29) '98 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days							Date of 1st day of 3 consecutive days									
	14-Jul-97	21-Jul-97	26-Jul-97	11-Aug-97	26-Aug-97	5-Sep-97	8-Sep-97	12-Sep-97	14-Sep-97	14-Feb-98	23-Feb-98	3-Mar-98	8-Jul-98	15-Jul-98	2-Aug-98	9-Aug-98	20-Aug-96
00 - 03							TR	14.0	TR	8.5	1.5	7.6	2.0				TR
03 - 06	28.0							TR		8.5	TR	7.2			10.4		TR
06 - 09	TR	37.4						1.0		2.5	2.0	0.7			1.2		7.6
09 - 12		2.6		TR	TR			1.0		1.5	TR	TR		23.0			
12 - 15				TR		2.0		1.0		23.5	1.0	8.0					
15 - 18			TR		12.0					8.5	3.4	14.0					
18 - 21					50.0					2.0	7.4	8.0		TR			
21 - 24		5.0	TR	46.0	29.0	2.0		17.0		49.0	5.0	4.1	TR	30.0	94.4	10.8	27.0
00 - 03			2.0	5.0	107.0	28.0		2.0	3.0	3.5	9.0	2.0	50.0	1.0		32.0	TR
03 - 06	TR		12.0	4.0	49.0	TR		5.0		6.0	14.0	0.6				2.0	
06 - 09		TR		15.0	54.0					2.0	21.0	TR					
09 - 12		1.0		TR	18.0						27.0	TR					
12 - 15					TR						25.0	1.8					
15 - 18					TR						6.0						
18 - 21		1.0									1.0			3.0			
21 - 24		1.6									1.0			1.0	TR	TR	
00 - 03	TR			45.0							TR				TR	2.0	TR
03 - 06				TR						TR							
06 - 09													TR	7.6			22.6
09 - 12											1.0					0.6	
12 - 15										TR	TR		40.0	3.0			
15 - 18										TR			2.0	0.2			
18 - 21						2.0				19.0			TR		20.0		
21 - 24	TR		16.0			2.0				9.0						5.4	

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (16/17)

(mm)

(mm) 31) '00

30) '99

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days							
	17-Jul-99	25-Jul-99	28-Jul-99	2-Aug-99	6-Aug-99	9-Aug-99	12-Aug-99	29-Sep-99	11-Jan-00	9-Jul-00	25-Jul-00	31-Jul-00	20-Aug-00	27-Aug-00
00 - 03	TR					1.0								
03 - 06	50.0	20.0			TR				1.0					
06 - 09								22.0	1.0					
09 - 12							5.0	50.0	6.0					
12 - 15					32.0			6.0	4.0					
15 - 18							3.0	1.0	2.0		50.0			
18 - 21			26.0				2.0		4.0					
21 - 24	27.5		22.0		48.0				7.0	TR	50.0			
00 - 03	10.5				30.0	14.0			6.0	TR	20.0	43.0		
03 - 06	5.0				2.0	1.0			5.0		TR	15.0		
06 - 09				TR					7.0			8.0		
09 - 12				30.0					27.0					
12 - 15									4.0					
15 - 18									TR					
18 - 21									TR				48.0	
21 - 24	1.0				1.0				1.0	18.0	10.0		4.0	
00 - 03	22.0				4.0	4.0			TR	12.0	2.0	TR	30.0	
03 - 06	TR				1.0	TR			TR				TR	
06 - 09									2.0					
09 - 12						TR								
12 - 15						24.0			6.0					
15 - 18						TR			7.0					
18 - 21						18.0			4.0		TR			
21 - 24					10.0	3.0			5.0			33.0		

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT CHAKLALA STATION DURING MAJOR RAINSTORMS (17/17)

(mm)

32) '01

Duration (GMT)	Date of 1st day of 3 consecutive days			30-Jun-01	7-Jul-01	22-Jul-01	6-Aug-01	14-Aug-01	22-Aug-01
	30-Jun-01	7-Jul-01	22-Jul-01						
00 - 03									
03 - 06									
06 - 09						4.0			
09 - 12						76.0			
12 - 15						TR			
15 - 18						1.0			
18 - 21						TR			
21 - 24						40.0			
00 - 03						TR			
03 - 06						6.0			
06 - 09						65.0			
09 - 12						99.0			
12 - 15									
15 - 18									
18 - 21									
21 - 24						30.0			
00 - 03						TR			
03 - 06						18.0			
06 - 09						1.0			
09 - 12									
12 - 15									
15 - 18									
18 - 21									
21 - 24									

TR: Trace (It rained to little to measure.)

At Chaklala Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

1.6 3-HOUR RAINFALL AT ISLAMABAD STATION

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (1/10)

(mm)

(mm) 2) '84

1) '83

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days							
	26-Jan-83	16-Mar-83	16-Apr-83	25-Jul-83	4-Aug-83	26-Aug-83	1-Sep-83	15-Sep-83	17-Mar-84	27-Jun-84	7-Jul-84	16-Jul-84	28-Jul-84	13-Aug-84
00 - 03			23.9	Tr	4.3	XXX	1.0		11.7	15.0		11.2	33.3	
03 - 06			2.5		1.5	XXX			9.4	24.9			16.0	18.5
06 - 09			0.5		2.8	XXX			10.4	1.5			10.7	16.0
09 - 12						XXX	61.0		3.0					
12 - 15	3.8					XXX			3.8		Tr			
15 - 18	25.9				27.9	XXX					13.5		10.2	
18 - 21	24.9				52.1	XXX	17.0		11.4		33.7		17.8	
21 - 24	3.8		2.5		29.2	XXX	69.7	2.0	14.2	13.0	6.9	0.8	2.3	9.4
00 - 03	2.0		0.5	55.9	7.4		7.6		12.2	42.4		51.1	Tr	38.1
03 - 06	Tr			1.0			7.4		5.1	10.7		10.7	4.3	27.2
06 - 09							2.3			8.9		5.1		
09 - 12									2.8					
12 - 15	2.8				Tr	11.7					4.1			
15 - 18	12.7	0.5								Tr				
18 - 21	12.7	0.8								34.3				
21 - 24	11.4									1.8				
00 - 03	Tr	1.3								12.2				1.8
03 - 06						Tr								1.3
06 - 09														
09 - 12	4.3	0.3			3.6									
12 - 15	1.0	0.8												
15 - 18	6.1	3.1								5.1				
18 - 21		5.6							Tr					
21 - 24	6.1	1.5								1.5				

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (2/10)

(mm)

(mm) 4) '86

3) '85

Duration (GMT)	Date of 1st day of 3 consecutive days				Date of 1st day of 3 consecutive days					
	7-Jul-85	12-Jul-85	24-Jul-85	29-Jul-85	24-Aug-85	10-Jul-86	17-Jul-86	13-Aug-86	18-Aug-86	28-Sep-86
00 - 03						14.5			3.8	1.5
03 - 06		0.5				4.3				39.1
06 - 09						9.7		3.8		
09 - 12				14.5		9.1				
12 - 15				1.5		6.1			28.4	
15 - 18	4.3		7.6	46.2		9.1				16.8
18 - 21	7.6		13.0		3.8			15.2		
21 - 24	19.1		56.9	27.4		5.3	40.6	16.8	10.2	
00 - 03	119.1	55.9	21.1	30.7		6.6	12.2	18.5	3.8	
03 - 06	1.8	6.6	5.6	Tr		6.6	1.3	0.5		
06 - 09		0.8	2.8			3.6	1.0			
09 - 12						0.3				
12 - 15							42.7			
15 - 18							8.9	Tr		
18 - 21								Tr		
21 - 24	16.3	72.6		5.8			2.5			
00 - 03		8.1		12.7			7.1	0.8		
03 - 06		1.8								
06 - 09			10.9	13.7			1.0			
09 - 12			2.3			3.8				
12 - 15			0.8			12.7				
15 - 18						8.9				
18 - 21						8.6				
21 - 24		9.1				4.1				

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (3/10)

5) '87 (mm) 6)'88 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days				Date of 1st day of 3 consecutive days									
	23-Feb-87	7-May-87	12-Aug-87	17-Aug-87	23-Aug-87	1987/10/10	10-Mar-88	4-Jul-88	10-Jul-88	13-Jul-88	16-Jul-88	30-Jul-88	13-Aug-88	15-Sep-88
00 - 03					6.9		Tr	Tr			5.6			
03 - 06	Tr					Tr		9.1			4.8	3.3	22.3	1.3
06 - 09	7.4							7.6			6.0	0.8		
09 - 12	0.5							10.0			7.6	1.5		
12 - 15	2.0	74.7				49.3		10.1			11.4			30.0
15 - 18	2.8	11.7	6.3					4.1			7.6			16.5
18 - 21	12.7	Tr	25.4					7.6	20.3		12.7	1.0	9.6	6.1
21 - 24	12.7			15.0	33.8			6.4	18.3	56.6	9.9		63.5	
00 - 03	5.8	0.3		5.6	10.2			2.0	25.4	15.2	3.8		3.6	20.8
03 - 06	9.1			0.8	33.3			Tr			2.0			72.1
06 - 09	17.0				16.3			25.4			6.3			
09 - 12	4.0					16.5		25.4			13.2			
12 - 15	3.6					24.1		1.3						0.5
15 - 18	3.8	12.7						4.3						
18 - 21	7.6	17.8						3.0					12.7	13.5
21 - 24	3.8	12.7						1.0	23.9		9.6		16.5	12.7
00 - 03		0.3	1.5					3.3			32.0		39.6	
03 - 06		0.5	0.3								4.1			
06 - 09											5.3			
09 - 12		3.8									11.9			
12 - 15		3.8									2.3			2.5
15 - 18		5.1									6.3			3.8
18 - 21		5.1								18.0				0.5
21 - 24		10.2						3.8	15.0	32.8		35.6		

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (4/10)

(mm) 8)'90

7) '89

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days								
	5-Jan-89	3-Jul-89	13-Jul-89	28-Jul-89	31-Jul-89	13-Aug-89	19-Aug-89	5-Jul-90	25-Jul-90	7-Aug-90	10-Aug-90	13-Aug-90	22-Aug-90	28-Aug-90	4-Sep-90
00 - 03	5.6		2.8		7.4	Tr							0.5		
03 - 06	9.1					14.0	0.5								
06 - 09	10.1														
09 - 12	8.6					999.9									10.2
12 - 15	8.6					999.9									7.4
15 - 18	9.1			78.7		999.9		Tr					10.0		3.6
18 - 21	10.1		25.4	1.5		999.9		58.2	40.9						6.1
21 - 24	10.9	58.4	7.1			999.9	66.0		30.5				49.4	26.4	6.6
00 - 03	2.8	4.1	0.7			33.3	12.2		1.3	0.5			1.0	18.0	7.1
03 - 06									0.7					Tr	17.8
06 - 09															1.8
09 - 12		1.0					0.5								
12 - 15															
15 - 18				3.3											
18 - 21			7.1	72.4			20.3							1.5	
21 - 24			Tr	1.8			6.3			40.6	0.8				
00 - 03			36.1	3.3					43.4	79.8	0.5			2.0	
03 - 06				1.8						23.3		1.3	19.6	8.9	
06 - 09				3.0						1.3				2.5	
09 - 12				1.3											
12 - 15				1.8											
15 - 18				1.0							6.3				
18 - 21				Tr							92.6				
21 - 24				119.4					22.1		22.5				

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (5/10)

9) '91 (mm) 10)'92 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days										
	9-Feb-91	12-Jul-91	30-Jul-91	8-Aug-91	18-Aug-91	31-Aug-91	5-Sep-91	14-Sep-91	29-Jan-92	12-Feb-92	7-Jul-92	13-Jul-92	2-Aug-92	16-Aug-92	8-Sep-92	11-Sep-92	
00 - 03	1.0		3.3	0.8			Tr		3.4			1.0			6.2	Tr	
03 - 06	2.5		Tr		12.4				6.1	Tr					11.6	Tr	
06 - 09	2.3	18.0					0.5	Tr	15.5	2.6			17.0			Tr	
09 - 12	3.0							39.2	23.4	4.3			9.0			Tr	
12 - 15	4.3								35.6	15.2							2.8
15 - 18	6.1			30.2					32.0	25.4							11.3
18 - 21	7.6			23.2			10.0		16.0	31.7							13.6
21 - 24	7.6	33.0		5.3	49.8	7.4	70.7	1.5	2.8	34.5		1.0	34.4	43.0			18.0
00 - 03	0.8	Tr	3.0	1.0	5.4	4.8	Tr	36.3	1.8	0.7		8.4	33.4	5.0			52.0
03 - 06	0.8	2.8	9.6		0.3	7.4		0.8	4.5			10.0	5.0	Tr			23.0
06 - 09	8.9		1.8					0.1	2.0		Tr	1.0	0.3				25.5
09 - 12	2.0	0.1									15.3				5.0		25.0
12 - 15				4.6							Tr						41.0
15 - 18	4.1			2.0													71.2
18 - 21	4.1	15.2															13.0
21 - 24	8.6	16.8		6.1	85.6		17.0								4.1		20.7
00 - 03	0.5	5.4			2.3		13.0								4.7		1.0
03 - 06			23.1		0.5			4.5							0.4	Tr	
06 - 09			2.3					1.4									
09 - 12																	
12 - 15	3.0												Tr				
15 - 18	0.8																
18 - 21																	
21 - 24					4.6			11.5			3.1						

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (6/10)

(mm) 12)'94

11) '93

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days								
	10-Mar-93	22-Mar-93	7-Jul-93	21-Jul-93	2-Aug-93	9-Aug-93	4-Sep-93	3-Jul-94	19-Jul-94	22-Jul-94	28-Jul-94	2-Aug-94	6-Aug-94	9-Aug-94	30-Aug-94
00 - 03		Tr			11.1				19.0	1.8	1.8			6.4	
03 - 06		1.0			2.2		5.0	1.0		0.8	Tr			4.7	40.0
06 - 09		1.6						Tr						2.8	1.0
09 - 12		2.2						174.6							
12 - 15	Tr	2.0						0.2							
15 - 18	10.4	0.3						Tr					4.0	4.0	
18 - 21	15.5	6.3	5.0						88.0					100.0	1.0
21 - 24		6.7	35.8	5.8		55.0			83.0	96.0	96.0			40.0	30.0
00 - 03		19.1	3.0	0.8	19.2	1.0			1.0	0.6	7.0	Tr	4.8	10.5	Tr
03 - 06	1.5	3.0	0.5		14.0		61.2		Tr		0.8	Tr	4.6	3.7	
06 - 09	Tr	Tr	Tr						Tr				52.0	2.6	
09 - 12	Tr	Tr	Tr										8.5	4.5	
12 - 15	5.4											4.8			
15 - 18	1.3	42.0								4.0		40.0			
18 - 21	2.0	10.4					Tr			0.4	0.4	2.5	30.0	0.2	0.7
21 - 24	2.3	8.2	1.6	14.5			3.8		12.0	29.0			3.0	0.7	
00 - 03	23.0	0.8	Tr	22.8					1.6	29.0	6.6	Tr	9.0	0.4	
03 - 06	2.1	Tr	Tr			4.2			Tr		1.6	8.0	13.0		
06 - 09									Tr			Tr	30.0		
09 - 12	1.1										4.0				
12 - 15			Tr								22.8				
15 - 18												0.2			
18 - 21												Tr			
21 - 24			23.6				6.3		Tr				1.0		4.0

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (7/10)

(mm)

(mm) 14)'96

13) '95

Duration (GMT)	Date of 1st day of 3 consecutive days						Date of 1st day of 3 consecutive days									
	5-Jul-95	10-Jul-95	13-Jul-95	20-Jul-95	24-Jul-95	27-Jul-95	30-Jul-95	2-Aug-95	14-Jan-96	13-Mar-96	15-Jun-96	28-Jul-96	31-Jul-96	7-Aug-96	15-Aug-96	18-Aug-96
00-03			31.6					6.4	Tr			32.0	13.4			2.6
03-06					87.0			Tr		5.2	2.0			3.6		1.8
06-09					4.0	13.8			4.0		28.3		5.0		16.0	31.0
09-12					Tr	2.1			2.2				76.0		6.0	
12-15				49.6		Tr			11.3							
15-18		5.8		1.6		2.4			7.9							
18-21	0.4	14.3				3.0			14.4	7.0				Tr		6.0
21-24	0.6	10.6		0.3		2.8			16.0	11.0	50.0		47.0		1.3	
00-03	24.7	6.8	3.8		5.4	3.6			5.7	3.8	12.0			34.0		36.0
03-06	27.5	Tr		0.2	4.4	19.1			Tr		5.0	Tr	2.0	Tr		
06-09					3.5	23.0			2.2		Tr					
09-12					6.0	6.8			1.8	Tr						
12-15					1.6				2.0	Tr						
15-18					0.2					8.4						
18-21			12.0		1.9					10.6						
21-24			6.0		3.0					15.7	3.2					
00-03		1.8			1.3			9.0		2.0	4.2					
03-06		17.6			1.0			1.6		Tr	0.2		Tr	0.7		
06-09		8.6			1.0			34.2		0.4						
09-12					2.0		7.0	3.0		0.4			1.8			
12-15					1.0			2.1								
15-18										2.0						
18-21				30.0			35.5	10.4		7.0						
21-24				4.6	1.8		59.0	15.0		7.0						

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (8/10)

15) '97 (mm) 16) '98 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days					Date of 1st day of 3 consecutive days										
	14-Jul-97	21-Jul-97	26-Jul-97	11-Aug-97	26-Aug-97	5-Sep-97	8-Sep-97	12-Sep-97	14-Feb-98	23-Feb-98	3-Mar-98	8-Jul-98	15-Jul-98	2-Aug-98	9-Aug-98	20-Aug-98
00 - 03	8.4		8.2				2.0	Tr		1.8	7.8					
03 - 06	5.0								12.0	0.8	7.8					18.0
06 - 09	Tr	31.0				2.0			1.5	1.4	1.6	Tr		0.5		7.2
09 - 12		2.4			Tr				3.2	Tr	2.4					
12 - 15				2.4	10.2	Tr			39.8	Tr	9.0					
15 - 18			0.3		30.2	Tr			4.0	3.6	11.0					2.0
18 - 21					54.0				1.0	8.0	7.2					7.0
21 - 24		22.0		48.4	21.2	4.8		72.9	9.0	10.0		11.0	49.0	53.0	38.0	20.0
00 - 03	Tr	Tr	110.0	2.0	84.2	5.4	2.0	1.0	1.0	8.6	3.8	42.0	4.4		37.8	
03 - 06	Tr		Tr	0.8	5.9	Tr	1.8	1.0	3.8	12.4	Tr	Tr	1.0		1.2	
06 - 09			Tr	Tr	44.8				Tr	20.0			1.0			
09 - 12		2.6			16.6	Tr				24.0	12.0					
12 - 15							1.0			15.0	1.0					
15 - 18					Tr					5.0						
18 - 21	Tr									1.0						
21 - 24				20.0					2.2					0.5		9.0
00 - 03				2.0	Tr				0.7						1.7	
03 - 06				Tr					1.5							
06 - 09												1.8				Tr
09 - 12		5.2							Tr							
12 - 15									Tr			24.8				
15 - 18									Tr	Tr						
18 - 21						6.0			22.6					2.0		
21 - 24					40.0				1.5						5.8	

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (9/10)

(mm) 18) '99

17) '99

Duration (GMT)	Date of 1st day of 3 consecutive days								Date of 1st day of 3 consecutive days							
	17-Jul-99	25-Jul-99	28-Jul-99	2-Aug-99	6-Aug-99	9-Aug-99	12-Aug-99	29-Sep-99	11-Jan-00	9-Jul-00	25-Jul-00	31-Jul-00	20-Aug-00	27-Aug-00		
00 - 03	20.0	4.0				0.7	1.3									
03 - 06	55.0	45.0				1.0			1.0	Tr						
06 - 09		5.0				Tr		0.5	2.0	17.0						
09 - 12							3.0	37.5	1.0		1.0					
12 - 15								3.6	3.0		1.2					
15 - 18			Tr				9.0	0.6	Tr		15.0					
18 - 21			12.0			2.4			8.0							
21 - 24			40.0	30.0	45.0	0.6			9.0							
00 - 03	5.0		Tr		16.8	7.0			6.5		24.0	52.4				
03 - 06	1.0				1.6				5.2			3.0				
06 - 09					0.2				18.0			9.0				
09 - 12					20.0				14.0					7.0		
12 - 15									4.0							
15 - 18									Tr							
18 - 21									0.7					30.0		
21 - 24	16.4				11.0				1.5	32.0				15.0		
00 - 03	19.0				1.2				1.6	11.4			1.0	Tr		
03 - 06					0.7				0.7							
06 - 09	1.0								2.6							
09 - 12						2.0			1.0							
12 - 15						47.0			5.6							
15 - 18									3.3							
18 - 21						14.0										
21 - 24					34.3	16.6			9.2	Tr	0.2					

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

3-HOUR RAINFALL AT ISLAMABAD STATION DURING MAJOR RAINSTORMS (10/10)

19) '01 (mm)

Duration (GMT)	Date of 1st day of 3 consecutive days				Date of 1st day of 3 consecutive days	
	30-Jun-01	7-Jul-01	22-Jul-01	6-Aug-01		14-Aug-01
00 - 03						22.0
03 - 06						6.0
06 - 09					61.0	
09 - 12					0.6	
12 - 15					0.4	
15 - 18					0.5	
18 - 21		Tr			0.2	
21 - 24		70.5				19.0
00 - 03	28.0		42.2	7.0		18.0
03 - 06	10.0	0.5	132.0	18.0	Tr	Tr
06 - 09			400.1	20.0	1.0	
09 - 12			45.5			
12 - 15						
15 - 18						
18 - 21			Tr			
21 - 24			19.3			
00 - 03						
03 - 06			7.0			
06 - 09			3.0			
09 - 12			0.3			
12 - 15						
15 - 18						
18 - 21						
21 - 24	1.0					

Tr: Trace (If rained to little to measure.)

At Islamabad Station rainfall is manually measured eight times a day at 0300, 0600, 0900, 1200, 1500, 1800, 2100, 2400 hours (GMT).

1.7 3-HOUR RAINFALL AT RAMC STATION

3-HOUR RAINFALL AT RAMC STATION DURING MAJOR RAINSTORMS (1/2)

1) '89

2) '90

Duration (GMT)	Date of 1st day of 3 consecutive days							Date of 1st day of 3 consecutive days								
	5-Jan-89	3-Jul-89	13-Jul-89	28-Jul-89	31-Jul-89	13-Aug-89	19-Aug-89	5-Jul-90	25-Jul-90	7-Aug-90	10-Aug-90	13-Aug-90	22-Aug-90	28-Aug-90	4-Sep-90	
1st day	12 - 03				58.0		0.2					78.0	108.0			
	03 - 09					1.3										
	09 - 12														23.8	
2nd day	12 - 03		30.0	50.0	3.1		34.7	87.4		75.6	65.5	40.7		19.4	26.4	32.5
	03 - 09													3.6	20.0	
	09 - 12															
3rd day	12 - 03		TR	18.2	115.7			29.5			22.5	74.1	1.5		6.1	
	03 - 09		TR	TR	2.6						21.1		1.0	28.1	5.6	
	09 - 12		TR	TR	4.9											

TR: Trace (It rained to little to measure.)

At RAMC Station rainfall is manually measured three times a day at 0300, 0900 and 1200 hours (GMT).

3) 91

4) '92

Duration (GMT)	Date of 1st day of 3 consecutive days							Date of 1st day of 3 consecutive days								
	10-Feb-91	12-Jul-91	30-Jul-91	8-Aug-91	18-Aug-91	31-Aug-91	5-Sep-91	14-Sep-91	29-Jan-92	12-Feb-92	7-Jul-92	13-Jul-92	2-Aug-92	16-Aug-92	8-Sep-92	11-Sep-92
1st day	12 - 03	22.9	TR	17.8	2.8		0.1		31.6			24.4		8.0	TR	
	03 - 09	11.3	1.6			33.8			7.2	6.6	2.5		13.8	8.4	TR	
	09 - 12		0.3					16.4		3.9			1.2		TR	
2nd day	12 - 03	18.3	68.6		64.7	62.2	10.0	48.6	50.7		46.4		43.9	151.8	67.7	98.5
	03 - 09		0.9	32.3		TR	3.7					0.4		4.5	0.1	51.8
	09 - 12		TR								58.1					20.0
3rd day	12 - 03	0.2	16.4	7.0	8.6	42.4		24.6			0.5			6.6	120.5	
	03 - 09			9.8		TR			6.8					0.5	0.3	
	09 - 12					TR										

TR: Trace (It rained to little to measure.)

At RAMC Station rainfall is manually measured three times a day at 0300, 0900 and 1200 hours (GMT).

5) '93

6) '94

Duration (GMT)	Date of 1st day of 3 consecutive days							Date of 1st day of 3 consecutive days								
	10-Mar-93	22-Mar-93	7-Jul-93	21-Jul-93	2-Aug-93	9-Aug-93	4-Sep-93	3-Jul-94	19-Jul-94	22-Jul-94	28-Jul-94	2-Aug-94	6-Aug-94	9-Aug-94	30-Aug-94	
1st day	12 - 03				18.8		18.3		15.7	15.0	10.1	9.8			6.4	
	03 - 09		3.1			1.8			175.1		1.8	0.1			14.8	7.2
	09 - 12		1.8						2.3				0.2	4.9		
2nd day	12 - 03	35.9	33.0	65.5	14.1	20.3	69.6	16.4	TR	110.8	91.9	22.6	2.8	3.5	105.8	68.0
	03 - 09	0.6	4.5	2.4		7.0				0.6	10.2	5.8	TR	23.6	5.9	
	09 - 12	0.1												7.9	1.7	
3rd day	12 - 03	20.8	22.2	1.9	45.2			3.6		21.3	58.8	2.5	46.4	8.9	0.5	5.7
	03 - 09	4.4	0.2		TR		2.0			1.8		7.5	14.4	47.0		TR
	09 - 12	1.0									6.8					

TR: Trace (It rained to little to measure.)

At RAMC Station rainfall is manually measured three times a day at 0300, 0900 and 1200 hours (GMT).

7) '95

8) '96

Duration (GMT)	Date of 1st day of 3 consecutive days							Date of 1st day of 3 consecutive days									
	5-Jul-95	10-Jul-95	13-Jul-95	20-Jul-95	24-Jul-95	27-Jul-95	30-Jul-95	2-Aug-95	14-Jan-96	13-Mar-96	15-Jun-96	28-Jul-96	31-Jul-96	7-Aug-96	15-Aug-96	18-Aug-96	
1st day	12 - 03	2.7		10.3				70.6	TR			6.2	24.4		3.1		
	03 - 09					67.0	11.3		0.4	7.0		27.0	7.0	3.8	3.1	1.7	
	09 - 12				46.6	TR	2.9			2.6			61.4			TR	
2nd day	12 - 03	37.8	34.7	22.8	0.5	8.9	8.9			44.8		18.2	114.0		54.5	41.3	9.0
	03 - 09		0.2			18.6	43.2			1.4		6.8	0.2	1.5	0.6		
	09 - 12					4.8	8.0			1.0	TR						
3rd day	12 - 03		21.2	12.6		4.0	TR		TR		40.3	3.6			9.3		
	03 - 09		1.6			1.8		8.8	29.0		0.3	0.4					
	09 - 12					1.3		25.6	0.1								

TR: Trace (It rained to little to measure.)

At RAMC Station rainfall is manually measured three times a day at 0300, 0900 and 1200 hours (GMT).

3-HOUR RAINFALL AT RAMC STATION DURING MAJOR RAINSTORMS (2/2)

1) '97

2) '98

Duration (GMT)	Date of 1st day of 3 consecutive days								Date of 1st day of 3 consecutive days								
	14-Jul-97	21-Jul-97	26-Jul-97	11-Aug-97	26-Aug-97	5-Sep-97	8-Sep-97	12-Sep-97	14-Feb-98	23-Feb-98	3-Mar-98	8-Jul-98	15-Jul-98	2-Aug-98	9-Aug-98	20-Aug-98	
1st day	12 - 03	0.3					38.0	TR	TR	0.7	10.9	0.1	0.8				
	03 - 09	48.2	47.4						13.5	2.2	8.9			TR		23.2	
	09 - 12		0.8			TR			TR		2.0		0.6				
2nd day	12 - 03		77.5	19.0	49.0	207.0	88.6	1.6	44.2	56.5	28.0	42.0	80.5	96.4	52.2	73.0	18.8
	03 - 09		1.4	26.7	10.0	96.0		2.2		5.1	37.0		TR			2.5	55.8
	09 - 12		5.5			15.6					25.0	8.3					
3rd day	12 - 03	4.3			36.4					TR	20.6	0.5			0.6	5.8	11.4
	03 - 09		30.2	TR						1.0			0.6				5.6
	09 - 12										TR						

TR: Trace (It rained too little to measure.)

At RAMC Station rainfall is manually measured three times a day at 0300, 0900 and 1200 hours (GMT).

3) 99

4) '00

Duration (GMT)	Date of 1st day of 3 consecutive days								Date of 1st day of 3 consecutive days							
	17-Jul-99	25-Jul-99	28-Jul-99	2-Aug-99	6-Aug-99	9-Aug-99	12-Aug-99	29-Sep-99	11-Jan-00	9-Jul-00	25-Jul-00	31-Jul-00	20-Aug-00	27-Aug-00		
1st day	12 - 03	6.7	3.3				5.2	53.0	3.0		17.0					
	03 - 09	2.4	6.7	2.3	0.9					2.4	3.1					
	09 - 12	34.2						8.7	34.3	1.2		TR				
2nd day	12 - 03	8.5		58.0		44.6	60.2	1.8	4.8	23.6		53.0	65.0	46.0		
	03 - 09	1.1		2.6	0.8	1.3	0.3		1.0	27.6		TR	9.5			
	09 - 12	29.5			47.5					11.6						
3rd day	12 - 03	13.6				3.6	TR			6.3	38.5		0.6	13.0	62.8	
	03 - 09	0.4		1.3	1.8	0.3				1.1						
	09 - 12	29.9								0.9						

TR: Trace (It rained too little to measure.)

At RAMC Station rainfall is manually measured three times a day at 0300, 0900 and 1200 hours (GMT).

5) '01

Duration (GMT)	Date of 1st day of 3 consecutive days							
	30-Jun-01	7-Jul-01	10-Jul-01	22-Jul-01	6-Aug-01	14-Aug-01	22-Aug-01	
1st day	12 - 03		17.0	11.0			2.5	
	03 - 09		3.0	1.6		2.5	1.3	18.0
	09 - 12						23.0	
2nd day	12 - 03	55.6	47.4	140.0	4.0	14.0	2.0	60.0
	03 - 09	9.8	5.5	4.8	282.6	0.3		
	09 - 12				48.0			
3rd day	12 - 03				28.4		0.8	
	03 - 09		0.5		8.6	1.5	2.0	
	09 - 12							

TR: Trace (It rained too little to measure.)

At RAMC Station rainfall is manually measured three times a day at 0300, 0900 and 1200 hours (GMT).

***I.8 MANUALLY RECORDED RAINFALL
DURING 23 JULY 2001 FLOOD***

MANUALLY RECORDED RAINFALL DATA DURING 23 JULY 2001 FLOOD

Chaklala Station			Islamabad Station		
Duration (PST)		Rainfall (mm)	Duration (PST)		Rainfall (mm)
from	to		from	to	
2001/7/23 2:00	2001/7/23 5:00		2001/7/23 2:00	2001/7/23 5:00	
2001/7/23 5:00	2001/7/23 8:00	TR	2001/7/23 5:00	2001/7/23 8:00	42.2
2001/7/23 8:00	2001/7/23 11:00	6.0	2001/7/23 8:00	2001/7/23 11:00	132.0
2001/7/23 11:00	2001/7/23 14:00	65.0	2001/7/23 11:00	2001/7/23 12:00	160.0
2001/7/23 14:00	2001/7/23 17:00	99.0	2001/7/23 12:00	2001/7/23 13:00	180.1
2001/7/23 17:00	2001/7/23 20:00		2001/7/23 13:00	2001/7/23 14:00	60.0
2001/7/23 20:00	2001/7/23 23:00		2001/7/23 14:00	2001/7/23 15:00	34.0
2001/7/23 23:00	2001/7/24 2:00		2001/7/23 15:00	2001/7/23 16:00	11.0
2001/7/24 2:00	2001/7/24 5:00	30.0	2001/7/23 16:00	2001/7/23 17:00	0.5
2001/7/24 5:00	2001/7/24 8:00	TR	2001/7/23 17:00	2001/7/23 20:00	
			2001/7/23 20:00	2001/7/23 23:00	
			2001/7/23 23:00	2001/7/24 2:00	TR
			2001/7/24 2:00	2001/7/24 5:00	19.3
			2001/7/24 5:00	2001/7/24 8:00	
RAMC Station			Saidpur Station		
Duration (PST)		Rainfall (mm)	Duration (PST)		Rainfall (mm)
from	to		from	to	
2001/7/22 17:00	2001/7/23 5:00		2001/7/22 8:00	2001/7/23 5:00	
2001/7/23 5:00	2001/7/23 8:00	4.0	2001/7/23 5:00	2001/7/23 8:00	103.5
2001/7/23 8:00	2001/7/23 10:30	82.6	2001/7/23 8:00	2001/7/23 11:00	125.0
2001/7/23 10:30	2001/7/23 13:00	110.0	2001/7/23 11:00	2001/7/23 14:00	67.0
2001/7/23 13:00	2001/7/23 14:00	90.0	2001/7/23 14:00	2001/7/23 17:00	18.2
2001/7/23 14:00	2001/7/23 16:35	48.0	2001/7/23 17:00	2001/7/23 20:00	17.0
2001/7/23 16:35	2001/7/23 17:00		2001/7/23 20:00	2001/7/23 23:00	
2001/7/23 17:00	2001/7/24 8:00	28.4	2001/7/23 23:00	2001/7/24 2:00	
			2001/7/24 2:00	2001/7/24 5:00	
			2001/7/24 5:00	2001/7/24 8:00	

Note: The rainfall of the exceptional flood were measured more frequently than usual by the tactful observers.
 TR: Trace (It rained to little to measure.)

***1.9 RESULTS OF QUESTIONNAIRE SURVEY
ON FLOOD INUNDATION***

FORM OF QUESTIONNAIRE

QUESTIONNAIRE ON FLOOD INUNDATION

THE STUDY ON
COMPREHENSIVE FLOOD MITIGATION AND ENVIRONMENTAL PLAN OF LAI NULLAH BASIN

1. Interviewee

Date of Interview		/ / 2002			
Location	Latitude	N ° ' "	Longitude	E ° ' "	
Name and ID No.					
Address				Period of Residence	years
Occupation					
Estimated Value	House	Rupees			
	Movables	Rupees			
Frequency of Flood Inundation		Every years			

2. Past Major Flood

Year	Month	Day	Maximum Inundation Depth from Ground level (ft)	Duration of Inundation (days)	Cause of Inundation A. Overflow from Lainulla B. Overflow from tributaries C. Poor drainage D. Others	Name of Overflowed Tributary
2001	7	23				
1997	8	17				

3. Detailed Information on July 2001 Flood

Rainfall	Total Duration	From	Day:	Hour:	Min:	
		To	Day:	Hour:	Min:	
	Duration of Heavy Rainfall	from	Day:	Hour:	Min:	
		to	Day:	Hour:	Min:	
Inundation	Duration	From	Day:	Hour:	Min:	
		To	Day:	Hour:	Min:	
	Time of Maximum Inundation Depth	Day:	Hour:	Min:		
Maximum Inundation Depth from Floor Level		feet				
Flood Damage	Estimated House Damage		%	Rupee		
	Movables Damages	Items	Estimated Damage Rupees			
Evacuation	Duration	From	Day:	Hour:	Min:	
		To	Day:	Hour:	Min:	
	Evacuation Place					
	Who advised him/her to evacuate					
If not evacuated, why?						

4. Request of Flood Mitigation and Environmental Improvement Measures

Item	Please check <input type="checkbox"/>
Requested Measures	<input type="checkbox"/> River improvement
	<input type="checkbox"/> Drainage improvement
	<input type="checkbox"/> Flood forecasting and warning
	<input type="checkbox"/> Announcement of possible flood inundation control
	<input type="checkbox"/> Improvement of river water quality of Lai Nullah
	<input type="checkbox"/> Control of garbage dumping into the river channel
	<input type="checkbox"/> Others

RESULTS OF QUESTIONNAIRE

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
1	2002/5/9	33	39.426	73	3.379	1	Shop Owner	1,000,000	500,000
2	2002/7/9	33	36.781	73	3.203	27	Labour	600,000	300,000
3	2002/7/9	33	38.793	73	3.214	30	Milkman	400,000	200,000
4	2002/9/9	33	38.724	73	3.244	30	House wife	600,000	60,000
5	2002/10/9	33	38.683	73	3.266	35	Mid wife	600,000	50,000
6	2002/10/9	33	38.683	73	3.266	35	House wife (Widow)	1,600,000	200,000
7	2002/5/9	33	39.467	73	3.277	5	Shop Owner	2,000,000	3,000,000
8	2002/5/9	33	39.538	73	3.284	4	Factory / Service Company	10,000,000	1,000,000
9	2002/5/9	33	39.650	73	3.315	19	Flour mill	10,000,000	500,000
10	2002/6/9	33	38.159	73	3.139	4	Gov't Service	650,000	200,000
11	2002/6/9	33	38.710	73	3.137	3	Business	800,000	300,000
12	2002/6/9	33	38.567	73	3.139	2	Milk Seller	400,000	25,000
13	2002/6/9	33	38.695	73	3.201	6	Milk seller	1,000,000	125,000
14	2002/6/9	33	38.568	73	3.140	2	Service	350,000	10,000
15	2002/6/9	33	38.567	73	3.141	14	Milk Seller	1,000,000	10,000
16	2002/6/9	33	38.568	73	3.140	13	Business	600,000	20,000
17	2002/6/9	33	38.611	73	3.143	7	Service	900,000	30,000
18	2002/9/13	33	38.440	73	3.271	14	Shop Owner	1,500,000	55,000
19	2002/9/14	33	38.404	73	3.199	27	Transporter	1,000,000	300,000
20	2002/9/23	33	38.309	73	3.281	12	P.T.V, Employee	16,000,000	500,000
21	2002/9/23	33	38.202	73	3.181	15	Service abroad	800,000	300,000
22	2002/9/15	33	38.511	73	3.133	8	Service	1,000,000	400,000
23	2002/9/16	33	38.457	73	3.143	6	Service	500,000	90,000
24	2002/9/17	33	38.325	73	3.137	8	Husband sales man surgical items.	450,000	200,000
25	2002/9/17	33	38.422	73	3.130	40	Widow	460,000	50,000
26	2002/9/18	33	38.249	73	3.151	20	Milkman	500,000	150,000
27	2002/9/18	33	38.206	73	3.101	20	Labour	500,000	350,000
28	2002/9/21	33	37.318	73	3.083	55	Shopkeeper	300,000	200,000
29	2002/9/21	33	37.330	73	3.154	13	Business	400,000	250,000
30	2002/9/21	33	37.233	73	3.112	10	Shopkeeper		80,000
31	2002/9/21	33	37.241	73	3.202	18	Shop keeper	-	120,000
32	2002/9/23	33	37.242	73	3.321	40	Shopkeeper	300,000	150,000
33	2002/9/26	33	37.156	73	3.182	22	Shopkeeper	250,000	70,000
34	2002/9/26	33	37.123	73	3.780	5	Shopkeeper	-	50,000
35	2002/9/23	33	37.052	73	3.012	6	N/A	-	90,000
36	2002/9/23	33	37.035	73	3.126	11	N/A		100,000
37	2002/9/23	33	37.054	73	3.192	8	Shopkeeper	-	120,000
38	2002/8/9	33	36.988	73	3.302	20	Shopkeeper	1,000,000	80,000
39	2002/9/23	33	36.984	73	3.181	3	Shopkeeper	-	110,000
40	2002/7/9	33	36.993	73	3.263	15	Commerce	6,500,000	65,100
41	2002/6/9	33	37.139	73	3.284	28	Shop keeper	2,000,000	50,000
42	2002/9/24	33	37.162	73	3.405	12	N/A	-	190,000
43	2002/9/26	33	36.924	73	3.052	3	Shop keeper	-	90,000
44	2002/9/26	33	36.929	73	3.153	4	Shopkeeper	-	70,000
45	2002/6/9	33	36.881	73	3.212	15	Shopkeeper	300,000	150,000
46	2002/8/9	33	36.941	73	3.342	55	Shopkeeper	-	20,000
47	2002/9/24	33	36.882	73	3.122	11	Business	-	110,000
48	2002/9/18	33	36.825	73	3.245	40	Shopkeeper	-	200,000
49	2002/9/24	33	36.750	73	3.221	12	Shopkeeper	-	75,000
50	2002/9/18	33	36.752	73	3.320	14	Business	-	1,250,000
51	2002/9/24	33	36.697	73	3.257	23	Shopkeeper	-	250,000
52	2002/9/24	33	36.671	73	3.138	27	Shopkeeper	-	100,000
53	2002/9/25	33	36.599	73	3.303	7	Photographer	625,000	175,000
54	2002/9/25	33	36.571	73	3.051	3	N/A	-	250,000
55	2002/9/26	33	36.592	73	3.168	22	Business	500,000	130,000
56	2002/9/26	33	36.599	73	3.303	5	Shopkeeper	-	200,000
57	2002/9/25	33	36.467	73	2.932	5	Shopkeeper	-	120,000

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
1	2001/7/23	3.05	4.0	B	Tri; of Lai	7/23/01 8:15	7/23/01 15:30
2	2001/7/23	3.66	2.5	A	Main Lai	7/23/01 6:00	7/23/01 15:00
3	2001/7/23	3.66	3.5	B	Main Lai	7/23/01 6:00	7/23/01 15:00
4	2001/7/23	1.52	6.0	D	Lai	7/23/01 9:00	7/23/01 15:00
5	2001/7/23	3.05	2.5	D	Lai	7/23/01 8:00	7/23/01 16:00
6	2001/7/23	2.74	2.5	D	Lai	7/23/01 8:00	7/23/01 15:30
7	2001/7/23	1.52	48.0	A	Tri; Lai	7/23/01 8:15	7/23/01 15:30
8	2001/7/23	1.52	72.0	E	Lai Tri	7/23/01 8:30	7/23/01 15:30
9	2001/7/23	1.52	48.0	B	Tri; of Lai	7/23/01 8:00	7/23/01 16:00
10	2001/7/23	0.30	2.5	D	Lai	7/23/01 8:00	7/23/01 16:00
11	2001/7/23	3.35	5.5	A	Lai	7/23/01 8:00	7/23/01 16:00
12	2001/7/23	2.44	4.5	D	Lai	7/23/01 8:00	7/23/01 16:00
13	2001/7/23	4.12	4.5	D	Lai Nullah	7/23/01 8:00	7/23/01 15:00
14	2001/7/23	1.83	3.8	D	Lai	7/23/01 8:00	7/23/01 16:00
15	2001/7/23	2.59	4.0	D	Lai	7/23/01 8:00	7/23/01 16:00
16	2001/7/23	2.44	4.0	D	Lai	7/23/01 8:00	7/23/01 16:00
17	2001/7/23	1.68	4.3	A	Lai	7/23/01 8:00	7/23/01 16:00
18	2001/7/23	1.98	6.0	D	Lai	7/23/01 5:30	7/23/01 16:00
19	2001/7/23	4.57	4.4	D	Lai	7/23/01 10:00	7/23/01 16:00
20	2001/7/23	1.83	3.0	D	Lai	7/23/01 8:30	7/23/01 17:30
21	2001/7/23	6.10	12.0	D	Lai	7/23/01 8:30	7/23/01 18:00
22	2001/7/23	2.74	6.5	D	Lai	7/23/01 6:00	7/23/01 16:00
23	2001/7/23	5.03	9.0	D	Lai	7/23/01 5:30	7/23/01 14:00
24	2001/7/23	3.20	6.0	D	Lai	7/23/01 5:00	7/23/01 15:30
25	2001/7/23	3.35	4.5	D	Lai	7/23/01 9:00	7/23/01 14:00
26	2001/7/23	4.73	6.5	D	Lai	7/23/01 10:00	7/23/01 14:00
27	2001/7/23	2.97	4.0	D	Lai	7/23/01 10:00	7/23/01 15:00
28	2001/7/23	3.35	12.0	A	Lai Nullah	7/23/01 10:15	7/23/01 17:00
29	2001/7/23	2.74	10.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:30
30	2001/7/23	3.96	9.0	A	Lai Nullah	7/23/01 10:15	7/23/01 16:00
31	2001/7/23	3.05	8.0	A	Lai Nullah	7/23/01 11:00	7/23/01 16:30
32	2001/7/23	1.22	4.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
33	2001/7/23	2.13	5.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
34	2001/7/23	1.83	5.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:30
35	2001/7/23	2.74	9.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:30
36	2001/7/23	2.13	8.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:30
37	2001/7/23	1.52	4.0	A	Lai Nullah	7/23/01 10:15	7/23/01 15:30
38	2001/7/23	2.13	5.0	A	Lai nullah	7/23/01 10:00	7/23/01 15:00
39	2001/7/23	1.22	4.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
40	2001/7/23	1.22	3.7	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
41	2001/7/23	1.52	5.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
42	2001/7/23	1.22	4.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:45
43	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
44	2001/7/23	1.22	5.0	A	Lai Nullah	7/23/01 10:45	7/23/01 18:00
45	2001/7/23	1.04	4.0	A	Lai Nullah	7/23/01 9:50	7/23/01 15:15
46	2001/7/23	1.83	8.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:00
47	2001/7/23	1.22	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:45
48	2001/7/23	1.22	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
49	2001/7/23	0.61	4.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:30
50	2001/7/23	1.22	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
51	2001/7/23	0.91	5.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:00
52	2001/7/23	1.83	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
53	2001/7/23	3.66	8.0	A	Lai Nullah	7/23/01 11:00	7/23/01 16:00
54	2001/7/23	3.05	8.0	A	Lai Nullah	7/23/01 11:00	7/23/01 16:00
55	2001/7/23	2.74	7.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
56	2001/7/23	2.13	6.0	A		7/23/01 10:45	7/23/01 15:30
57	2001/7/23	3.66	10.0	A	Lai Nullah	7/23/01 10:30	7/23/01 16:30

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
1	7/23/01 8:00	7/23/01 15:00	7/23/01 12:01	7/23/01 16:00	7/23/01 16:00	3.05
2	7/23/01 13:00	7/23/01 14:30	7/23/01 11:00	7/23/01 13:30	7/23/01 13:00	3.35
3	7/23/01 13:00	7/23/01 14:00	7/23/01 10:00	7/23/01 13:30	7/23/01 13:00	3.35
4	7/23/01 13:00	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:00	1.52
5	7/23/01 11:00	7/23/01 14:00	7/23/01 14:00	7/23/01 16:30	7/23/01 15:00	2.74
6	7/23/01 11:00	7/23/01 14:00	7/23/01 14:00	7/23/01 16:30	7/23/01 15:00	1.83
7	7/23/01 8:00	7/23/01 15:00	7/23/01 12:01	7/23/01 16:00	7/23/01 16:00	0.12
8	7/23/01 10:00	7/23/01 15:00	7/23/01 12:01	7/23/01 16:00	7/23/01 16:00	1.22
9	7/23/01 10:00	7/23/01 15:00	7/23/01 12:30	7/23/01 16:30	7/23/01 16:00	1.22
10	7/23/01 9:00	7/23/01 15:00	7/23/01 12:30	7/23/01 15:00	7/23/01 15:00	0.00
11	7/23/01 9:00	7/23/01 16:00	7/23/01 10:00	7/23/01 16:00	7/23/01 15:00	3.20
12	7/23/01 9:00	7/23/01 15:00	7/23/01 10:30	7/23/01 15:00	7/23/01 15:00	2.44
13	7/23/01 11:00	7/23/01 13:00	7/23/01 12:30	7/23/01 19:30	7/23/01 15:00	3.96
14	7/23/01 9:00	7/23/01 15:00	7/23/01 11:30	7/23/01 15:15	7/23/01 15:00	1.22
15	7/23/01 9:00	7/23/01 15:00	7/23/01 11:00	7/23/01 15:00	7/23/01 15:00	2.44
16	7/23/01 9:00	7/23/01 15:00	7/23/01 11:00	7/23/01 15:00	7/23/01 15:00	2.44
17	7/23/01 9:00	7/23/01 15:00	7/23/01 11:00	7/23/01 15:30	7/23/01 15:00	1.37
18	7/23/01 8:30	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 14:00	1.83
19	7/23/01 11:00	7/23/01 16:00	7/23/01 12:15	7/23/01 17:00	7/23/01 14:00	4.12
20	7/23/01 10:30	7/23/01 13:30	7/23/01 13:30	7/23/01 16:30	7/23/01 14:30	1.37
21	7/23/01 11:00	7/23/01 15:30	7/23/01 9:30	7/23/01 21:30	7/23/01 23:00	6.10
22	7/23/01 8:00	7/23/01 12:01	7/23/01 12:01	7/23/01 18:30	7/23/01 16:30	1.83
23	7/23/01 8:30	7/23/01 13:30	7/23/01 9:30	7/23/01 18:30	7/23/01 12:30	5.03
24	7/23/01 11:00	7/23/01 14:00	7/23/01 13:30	7/23/01 19:30	7/23/01 16:30	3.05
25	7/23/01 11:00	7/23/01 13:00	7/23/01 13:00	7/23/01 16:30	7/23/01 15:00	1.52
26	7/23/01 11:00	7/23/01 14:00	7/23/01 12:01	7/23/01 18:30	7/23/01 15:00	4.27
27	7/23/01 11:00	7/23/01 13:50	7/23/01 11:00	7/23/01 15:00	7/23/01 12:01	2.52
28	7/23/01 12:01	7/23/01 15:00	7/23/01 10:00	7/23/01 22:00	7/23/01 22:30	3.05
29	7/23/01 12:15	7/23/01 15:00	7/23/01 10:30	7/23/01 20:30	7/23/01 23:00	2.74
30	7/23/01 12:01	7/23/01 15:00	7/23/01 10:30	7/23/01 20:00	7/23/01 23:30	3.66
31	7/23/01 12:01	7/23/01 15:00	7/23/01 11:00	7/23/01 19:00	7/23/01 23:30	2.74
32	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 16:45	7/23/01 13:00	0.61
33	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 17:30	7/23/01 12:45	1.52
34	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 17:45	7/23/01 12:50	1.52
35	7/23/01 12:01	7/23/01 15:00	7/23/01 10:00	7/23/01 19:00	7/23/01 22:15	2.44
36	7/23/01 12:01	7/23/01 15:00	7/23/01 10:00	7/23/01 18:00	7/23/01 22:15	1.83
37	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 16:30	7/23/01 13:15	1.22
38	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 17:30	7/23/01 13:00	1.83
39	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 16:45	7/23/01 13:45	0.91
40	7/23/01 11:45	7/23/01 15:00	7/23/01 12:01	7/23/01 15:40	7/23/01 12:50	0.91
41	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 17:30	7/23/01 13:10	1.34
42	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 16:45	7/23/01 13:15	0.91
43	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:00	2.13
44	7/23/01 12:15	7/23/01 15:00	7/23/01 13:30	7/23/01 18:30	7/23/01 14:00	0.61
45	7/23/01 11:30	7/23/01 15:00	7/23/01 11:00	7/23/01 16:30	7/23/01 13:00	1.52
46	7/23/01 12:01	7/23/01 14:30	7/23/01 12:01	7/23/01 20:30	7/23/01 12:50	1.52
47	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 19:30	7/23/01 13:15	0.91
48	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 19:30	7/23/01 13:45	0.91
49	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 17:30	7/23/01 13:40	0.00
50	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 14:00	0.91
51	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 18:30	7/23/01 13:45	0.61
52	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 19:30	7/23/01 13:45	1.52
53	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 20:45	7/23/01 13:00	3.35
54	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 20:45	7/23/01 13:00	2.74
55	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 19:30	7/23/01 13:15	2.44
56	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:30	7/23/01 13:00	1.83
57	7/23/01 12:01	7/23/01 15:00	7/23/01 12:50	7/23/01 22:50	7/23/01 13:00	3.35

Results of Qestionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
1	0		TV, Furniture etc.	100,000		
2	0	-	TV, VCR, Fridge, Ornaments, Cash.	250,000	7/23/01 11:00	7/23/01 15:00
3	0	-	TV, Washing Machine, Car, Clothes,3 No. Cows etc.	150,000	7/23/01 11:00	7/23/01 14:00
4	50	300,000	TV, Refrigerator, Furniture, Fans etc.	30,000		
5	0	-	TV, Refrigerator, Furniture, Clothes 2 Boxes etc	35,000	7/23/01 14:00	7/23/01 15:00
6	10	160,000	Furniture, TV, Computer, Fridge, VCR, Clothes etc	80,000	7/23/01 14:00	7/23/01 14:30
7	3	50,000	Tiles, Furniture etc.	500,000		
8	2	150,000				
9	1	100,000	Flour Bags, Jute empty bags.	500,000		
10	0	-			7/23/01 13:00	7/23/01 16:00
11	9	70,000	Furniture, TV, Fans, and Fridge etc	300,000	7/23/01 11:00	7/23/01 13:00
12	1	5,000	TV, Cots, Furniture, bedding & Clothes etc	5,000	7/23/01 11:00	7/23/01 16:00
13	3	25,000	Misc, house hold goods.	75,000	7/23/01 14:00	7/23/01 19:30
14	0	-	Furniture, Clothes, Utensils.	5,000	7/23/01 0:01	7/23/01 15:00
15	0	15,000			7/23/01 11:00	7/23/01 16:00
16	0	-	TV, Furniture, Clothes etc.	5,000	7/23/01 11:00	7/23/01 16:00
17	3	25,000	TV, Radio, Household Goods.	15,000	7/23/01 11:00	7/23/01 14:30
18	0	-	Various Grocery items.	55,000		
19	3	25,000	Car, (Suzuki pickup) furniture, Clothes.	150,000	7/23/01 0:30	7/23/01 18:00
20	0	-	Refrigerator, Deep Freezer, Beddings, Quilts, Clothes etc	20,000		
21	13	100,000	Furniture, Computer, Refrigerator, Washing Machine, Deep Freezer.	200,000	7/23/01 10:30	7/23/01 20:00
22	0	-			7/23/01 11:00	7/23/01 18:00
23	0	-	Washing Machine, Clothes, Fans, Cash etc	70,000		
24	0	80,000	TV, Fridge, Cooking range, Surgical goods etc.	150,000	7/23/01 14:00	7/23/01 18:00
25	1	5,000	Furniture, Clothes, Quilts etc	10,000	7/23/01 13:00	7/23/01 17:00
26	6	30,000	5 No. Goats, Household goods, clothes, fans, Utensils etc	25,000	7/23/01 0:01	7/23/01 19:00
27	1	5,000	TV, Beddings, Sofa Set 3 No, Deck, Utensils	10,000	7/23/01 13:00	7/23/01 16:00
28	7	20,000	Washing Machine, Fridge, TV	150,000	7/23/01 10:15	7/23/01 21:00
29	10	40,000	Furniture etc.	225,000	7/23/01 10:45	7/23/01 20:45
30	0	-	Car, old parts.	70,000	7/23/01 11:15	7/23/01 21:00
31	0	-	General Items.	110,000	7/23/01 11:15	
32	0	-	Clothes, Furniture.	45,000		
33	8	20,000	General Items.	65,000	7/23/01 0:35	7/23/01 18:00
34	0	10,000	General Items.	45,000	7/23/01 0:45	7/23/01 19:00
35	0	20,000	Clothes, Gold, Furniture.	80,000	7/23/01 10:15	7/23/01 22:00
36	0	10,000	Electric goods, Furniture.	75,000	7/23/01 10:15	7/23/01 23:00
37	0	70,000	Sweets, Furniture.	110,000	7/23/01 0:30	7/23/01 18:00
38	3	30,000	Decoration items.	40,000	7/23/01 0:30	7/23/01 17:30
39	0	10,000	Decoration items.	50,000	7/23/01 0:55	7/23/01 18:30
40	0	21,000	TV, Furniture.	10,000	7/23/01 0:15	7/23/01 18:40
41	2	42,000	Furniture.	50,000	7/23/01 0:30	7/23/01 17:30
42	0	10,000	Clothes, Furniture, Electric goods.	60,000		
43	0	10,000	Furniture, Electrical goods.	85,000	7/23/01 12:01	7/23/01 20:00
44	0	-	Cold drinks, Furniture.	10,000		
45	8	25,000	Furniture.	50,000	7/23/01 11:15	7/23/01 16:30
46	0	-	TV, VCR, Furniture.	20,000	7/23/01 0:15	7/23/01 17:30
47	0	-	Clothes, Furniture.	90,000		
48	0	-	Wheat.	50,000		
49	0	-				
50	0	-	Wheat	100,000	7/23/01 13:30	7/23/01 20:00
51	0	-	Wheat.	100,000		
52	0	20,000	Wheat.	95,000	7/23/01 13:30	7/23/01 20:00
53	5	30,000	Furniture, Electrical goods.	150,000	7/23/01 0:50	7/23/01 21:00
54	0	10,000	Furniture, TV, VCR, etc	200,000	7/23/01 0:45	7/23/01 21:00
55	9	45,000	Furniture, Electrical goods.	110,000	7/23/01 13:00	7/23/01 21:00
56	0	30,000	Furniture, Electrical goods etc.	170,000	7/23/01 0:45	7/23/01 19:00
57	0	12,000	Furniture, Electrical goods.	110,000	7/23/01 0:45	7/23/01 23:00

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
1			Sudden flood did not permit evacuation.
2	Top of roof	None	
3	Evacuated to the top of roof.	None	
4			Not vacated because of sudden flood.
5	Top of roof	None	
6	Top of roof	Acted themselves, Nobody advised	
7			Sudden Flood did not permit vacation.
8			Sudden flood did not enter main building.
9			Sudden flood rise did not permit evacuation.
10			Did not vacated because it was not required.
11	On top of the house.	Situation warranted.	
12	Top of roof	None	
13	Other safe places in the locality.	Situation Warranted	
14			Did not feel necessity.
15	Near by safe places.	None	
16	To safe places with friends.	None	
17	Top of roof.	Ourself	
18			Sudden inundation did not permit.
19	On top of roof.	None	
20	Top of roof.		
21	To 4 storey, houses located nearby.	None	
22	Top of roof.	None	
23			Could not evacuate because of sudden flood.
24	To neighbour at higher places.	None	
25	To nearby higher houses.	None	
26	To nearby higher places	None	
27	To nearby friends houses located higher	None	
28	On top of the house.	himself	Not possible
29	On top of the house.	himself	
30		Himself	
31	Went to home	Himself	
32			The water was very low.
33	Went to home.	himself	
34	Went to home.	Himself	
35	Went on Road.	Himself	
36	On top of the house.	himself	
37	On top of the house.	himself	
38	On top of the house.	Himself	Not possible to evacuate due to shortage of time.
39	Went to home.	himself	
40	On the top of our house.	Himself	Not possible due to shortage of time
41	On top of the shop.	himself	Not possible to evacuate due to shortage of time.
42			Not possible
43	On top of the house.	himself	
44			Not possible.
45	On top of the shop.	himself	Not possible to evacuate due to shortage of time.
46	On top of the shop.	himself	Not possible to evacuate due to shortage of time.
47			Not possible.
48	Went to home.	himself	
49			The water was very low.
50			
51			Not possible to evacuate.
52	On top of the shop.	himself	
53	On top floor of the house.	himself	
54	On top floor of the house.	himself	
55	On top of the house.	himself	
56	On top of the shop.	himself	
57	On top floor of the house.	himself	

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
1	TRUE	TRUE	TRUE	FALSE	TRUE	
2	TRUE	TRUE	FALSE	FALSE	TRUE	
3	TRUE	TRUE	TRUE	FALSE	TRUE	
4	TRUE	TRUE	TRUE	TRUE	TRUE	
5	TRUE	TRUE	TRUE	TRUE	TRUE	
6	TRUE	TRUE	TRUE	TRUE	TRUE	
7	TRUE	FALSE	FALSE	FALSE	TRUE	
8	FALSE	TRUE	TRUE	FALSE	TRUE	
9	TRUE	TRUE	FALSE	FALSE	TRUE	
10	TRUE	FALSE	FALSE	FALSE	TRUE	
11	TRUE	TRUE	TRUE	FALSE	TRUE	
12	TRUE	TRUE	FALSE	FALSE	TRUE	
13	TRUE	FALSE	FALSE	FALSE	TRUE	
14	TRUE	FALSE	FALSE	FALSE	TRUE	
15	TRUE	TRUE	FALSE	FALSE	TRUE	
16	TRUE	TRUE	FALSE	FALSE	TRUE	
17	TRUE	TRUE	FALSE	FALSE	TRUE	
18	TRUE	TRUE	TRUE	FALSE	TRUE	
19	TRUE	FALSE	TRUE	FALSE	TRUE	
20	TRUE	FALSE	TRUE	FALSE	TRUE	
21	TRUE	FALSE	TRUE	FALSE	TRUE	
22	TRUE	FALSE	TRUE	FALSE	TRUE	
23	TRUE	TRUE	FALSE	FALSE	TRUE	
24	TRUE	FALSE	TRUE	TRUE	TRUE	
25	TRUE	FALSE	TRUE	FALSE	TRUE	
26	TRUE	FALSE	TRUE	FALSE	TRUE	
27	TRUE	FALSE	TRUE	FALSE	TRUE	
28	TRUE	TRUE	TRUE	TRUE	TRUE	Deepening of the Canal.
29	FALSE	FALSE	FALSE	FALSE	TRUE	Metallic road on both banks.
30	TRUE	FALSE	FALSE	TRUE	TRUE	
31	TRUE	FALSE	FALSE	TRUE	TRUE	Metallic road on both banks.
32	TRUE	FALSE	FALSE	FALSE	TRUE	
33	TRUE	TRUE	TRUE	TRUE	TRUE	
34	TRUE	FALSE	FALSE	TRUE	TRUE	Protection wall on both the banks.
35	TRUE	TRUE	FALSE	TRUE	TRUE	
36	TRUE	FALSE	FALSE	TRUE	TRUE	Deepening of channel.
37	TRUE	FALSE	FALSE	TRUE	TRUE	
38	TRUE	FALSE	FALSE	FALSE	FALSE	
39	TRUE	FALSE	FALSE	FALSE	TRUE	Linning of Lai Nullah side and bottom.
40	TRUE	FALSE	FALSE	FALSE	TRUE	
41	TRUE	FALSE	FALSE	FALSE	FALSE	
42	TRUE	FALSE	FALSE	TRUE	TRUE	
43	TRUE	FALSE	FALSE	TRUE	TRUE	
44	TRUE	TRUE	TRUE	TRUE	TRUE	
45	TRUE	FALSE	FALSE	FALSE	TRUE	
46	TRUE	TRUE	FALSE	FALSE	TRUE	
47	TRUE	FALSE	FALSE	TRUE	TRUE	Deepening of channel.
48	FALSE	FALSE	TRUE	TRUE	TRUE	Diversion of river from Islamabad.
49	TRUE	FALSE	FALSE	FALSE	TRUE	
50	FALSE	FALSE	FALSE	FALSE	FALSE	
51	TRUE	FALSE	FALSE	TRUE	TRUE	
52	TRUE	FALSE	FALSE	FALSE	TRUE	Protection wall on both banks, Garbage dumping.
53	TRUE	FALSE	FALSE	FALSE	TRUE	Metallic road on both banks.
54	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
55	TRUE	FALSE	FALSE	FALSE	TRUE	Deepening and widening of channel.
56	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
57	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
58	2002/9/25	33	36.469	73	3.052	15	Business	-	220,000
59	2002/9/27	33	36.412	73	3.166	12	Shopkeeper	-	250,000
60	2002/9/27	33	36.481	73	3.240	5	Shopkeeper (Electrition)	-	180,000
61	2002/9/26	33	36.474	73	3.353	30	Army Contractor	20,000,000	400,000
62	2002/9/27	33	36.415	73	3.301	8	Agriculturist	-	100,000
63	2002/9/26	33	36.411	73	3.032	11	Business	170,000	90,000
64	2002/9/26	33	36.417	73	2.962	3	Shopkeeper	-	120,000
65	2002/9/26	33	36.368	73	3.011	18	Teacher	-	140,000
66	2002/9/27	33	36.372	73	3.120	22	Business	300,000	125,000
67	2002/9/27	33	36.371	73	3.241	15	Agriculturist	500,000	210,000
68	2002/9/27	33	36.370	73	3.301	8	Business	-	200,000
69	2002/10/9	33	36.605	73	3.388	30	Teacher	2,200,000	100,000
70	2002/9/21	33	37.335	73	3.679	55	Shopkeeper	700,000	100,000
71	2002/9/21	33	37.308	73	3.920	20	Shopkeeper	300,000	175,000
72	2002/9/20	33	37.195	73	3.905	19	Shopkeeper	-	150,000
73	2002/9/20	33	37.141	73	3.824	8	Agriculturist	-	150,000
74	2002/9/20	33	37.141	73	3.624	48	General councillor	-	100,000
75	2002/6/9	33	36.988	73	3.400	10	Shop Owner (Jeweller)	2,000,000	200,000
76	2002/8/9	33	36.874	73	3.481	4	Business	180,000	60,000
77	2002/9/28	33	36.960	73	3.600	15	Shopkeeper	250,000	125,000
78	2002/9/28	33	37.004	73	3.722	11	Business	-	225,000
79	2002/8/9	33	36.851	73	3.504	6	Business	1,500,000	-
80	2002/8/9	33	36.703	73	3.527	55	Gov't Servant	3,500,000	150,000
81	2002/9/9	33	36.808	73	3.627	18	Shopkeeper	200,000	150,000
82	2002/9/29	33	37.011	73	3.922	5	Business	-	210,000
83	2002/8/9	33	36.762	73	3.802	6	Birds seller	1,300,000	80,000
84	2002/11/9	33	36.744	73	3.685	22	Shopkeeper	-	150,000
85	2002/9/29	33	36.603	73	3.520	0	Shopkeeper	-	120,000
86	2002/12/9	33	36.471	73	3.464	17	Shopkeeper	500,000	100,000
87	2002/12/9	33	36.480	73	3.506	12	Business	-	200,000
88	2002/9/18	33	36.506	73	3.601	32	Business	-	250,000
89	2002/9/29	33	36.551	73	3.681	5	Business	-	150,000
90	2002/9/27	33	36.532	73	3.713	14	Shopkeeper	550,000	290,000
91	2002/9/29	33	36.552	73	3.810	3	Shop Owner	800,000	250,000
92	2002/9/29	33	36.550	73	3.845	2	Taxi Driver	-	110,000
93	2002/9/30	33	36.403	73	3.834	25	Shopkeeper	-	140,000
94	2002/9/21	33	36.401	73	3.885	12	Shopkeeper	-	200,000
95	2002/9/9	33	36.863	73	3.624	20	Businessman	-	150,000
96	2002/9/20	33	36.768	73	3.964	8	Shopkeeper	-	175,000
97	2002/9/20	33	36.693	73	3.032	13	Gov't Servant.	-	148,000
98	2002/9/22	33	37.291	73	2.824	12	Agriculturist	800,000	250,000
99	2002/9/22	33	37.236	73	2.934	8	Business	760,000	100,000
100	2002/9/22	33	37.250	73	2.992	8	Shopkeeper	900,000	200,000
101	2002/9/22	33	37.161	73	2.994	17	Agriculturist	400,000	175,000
102	2002/9/22	33	37.163	73	2.861	10	Salesman	-	15,000
103	2002/9/22	33	37.124	73	2.890	10	Agriculturist	-	70,000
104	2002/9/23	33	37.604	73	2.931	18	Business	650,000	150,000
105	2002/9/23	33	37.601	73	2.810	4	General Councillor Union Councillor	-	175,000
106	2002/9/23	33	36.980	73	2.812	5	Business	-	150,000
107	2002/9/23	33	36.952	73	2.954	10	Shopkeeper	-	75,000
108	2002/9/23	33	36.873	73	2.841	0	Teacher	-	120,000
109	2002/9/23	33	36.900	73	2.971	0	Business	500,000	170,000
110	2002/9/23	33	36.772	73	2.843	3	Shopkeeper	-	130,000
111	2002/9/24	33	36.840	73	3.051	10	Electrition	-	180,000
112	2002/9/24	33	36.752	73	2.994	15	Agriculturist	-	200,000
113	2002/9/24	33	36.721	73	2.922	5	School Teacher	-	210,000
114	2002/9/24	33	36.652	73	2.931	7	House wife	-	200,000

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
58	2001/7/23	3.05	8.0	A	Lai Nullah	7/23/01 10:30	7/23/01 16:30
59	2001/7/23	1.83	5.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:30
60	2001/7/23	2.13	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:30
61	2001/7/23	3.05	5.0	A	Lai Nullah	7/23/01 10:00	7/23/01 16:00
62	2001/7/23	1.83	5.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:45
63	2001/7/23	2.44	7.0	A	Lai Nullah	7/23/01 10:50	7/23/01 16:30
64	2001/7/23	3.96	9.0	A	Lai Nullah	7/23/01 10:30	7/23/01 16:30
65	2001/7/23	4.27	10.0	A	Lai Nullah	7/23/01 10:30	7/23/01 16:30
66	2001/7/23	2.13	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
67	2001/7/23	3.05	7.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
68	2001/7/23	3.35	8.0	A	Lai	7/23/01 11:00	7/23/01 17:30
69	2001/7/23	2.74	7.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:30
70	2001/7/23	0.91	5.0	A	Lai Nullah	7/23/01 12:01	7/23/01 16:00
71	2001/7/23	0.00	0.0			7/23/01 10:30	7/23/01 17:00
72	2001/7/23	0.61	7.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
73	2001/7/23	0.61	3.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:30
74	2001/7/23	0.91	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 15:00
75	2001/7/23	1.83	5.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
76	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 10:15	7/23/01 15:30
77	2001/7/23	1.22	6.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
78	2001/7/23	0.61	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 15:30
79	2001/7/23	1.83	4.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
80	2001/7/23	1.22	6.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
81	2001/7/23	1.83	5.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
82	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 15:30
83	2001/7/23	0.91	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:00
84	2001/7/23	3.35	6.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
85	2001/7/23	1.22	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:30
86	2001/7/23	3.66	8.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
87	2001/7/23	4.27	12.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
88	2001/7/23	1.52	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
89	2001/7/23	0.91	4.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:30
90	2001/7/23	1.22	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:30
91	2001/7/23	0.61	3.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:30
92	2001/7/23	0.61	3.0	B	Tributary	7/23/01 11:15	7/23/01 17:30
93	2001/7/23	0.91	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
94	2001/7/23	0.61	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 15:00
95	2001/7/23	2.13	5.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
96	2001/7/23	0.61	3.0	A	Lai nullah	7/23/01 11:15	7/23/01 15:00
97	2001/7/23	3.05	7.0	A	Lai Nullah	7/23/01 11:00	7/23/01 15:30
98	2001/7/23	4.27	11.0	A	Lai Nullah	7/23/01 10:15	7/23/01 17:15
99	2001/7/23	3.96	11.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
100	2001/7/23	3.66	10.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:00
101	2001/7/23	2.74	10.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
102	2001/7/23	4.27	10.0	B	Lai Nullah	7/23/01 10:00	7/23/01 17:00
103	2001/7/23	3.96	10.0	B	Lai Nullah	7/23/01 10:15	7/23/01 17:00
104	2001/7/23	2.13	9.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
105	2001/7/23	1.52	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
106	2001/7/23	3.96	7.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
107	2001/7/23	3.35	7.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
108	2001/7/23	3.96	7.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
109	2001/7/23	3.66	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:30
110	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:30
111	2001/7/23	3.05	7.0	A	Lai Nullah	7/23/01 10:45	7/23/01 16:00
112	2001/7/23	2.74	7.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:30
113	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:15
114	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:30

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
58	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 20:45	7/23/01 13:00	2.74
59	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 17:30	7/23/01 13:30	1.52
60	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 17:30	7/23/01 13:30	1.83
61	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 19:00	7/23/01 13:00	1.52
62	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:30	1.52
63	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 19:30	7/23/01 13:00	2.13
64	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 21:30	7/23/01 13:00	3.35
65	7/23/01 12:01	7/23/01 15:00	7/23/01 12:50	7/23/01 22:50	7/23/01 13:00	3.96
66	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 19:00	7/23/01 13:30	1.83
67	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 20:00	7/23/01 13:30	2.74
68	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 21:00	7/23/01 13:30	2.74
69	7/23/01 12:01	7/23/01 16:00	7/23/01 12:30	7/23/01 19:30	7/23/01 13:10	2.44
70	7/23/01 12:30	7/23/01 15:30	7/23/01 13:30	7/23/01 18:30	7/23/01 14:00	0.61
71	7/23/01 0:30	7/23/01 15:00				0.00
72	7/23/01 12:30	7/23/01 15:00	7/23/01 14:00	7/23/01 21:00	7/23/01 14:30	0.00
73	7/23/01 12:30	7/23/01 15:00	7/23/01 13:30	7/23/01 16:30	7/23/01 13:45	0.00
74	7/23/01 12:45	7/23/01 15:45	7/23/01 13:45	7/23/01 20:00	7/23/01 14:00	0.61
75	7/23/01 0:01	7/23/01 15:00	7/23/01 12:30	7/23/01 17:30	7/23/01 13:00	1.68
76	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:00	7/23/01 13:00	1.83
77	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:15	0.91
78	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:30	0.00
79	7/23/01 11:30	7/23/01 15:00	7/23/01 12:30	7/23/01 16:30	7/23/01 13:15	1.22
80	7/23/01 12:01	7/23/01 14:30	7/23/01 12:01	7/23/01 17:30	7/23/01 13:30	0.91
81	7/23/01 11:30	7/23/01 15:00	7/23/01 12:01	7/23/01 17:30	7/23/01 12:45	1.52
82	7/23/01 12:01	7/23/01 15:00				0.00
83	7/23/01 11:00	7/23/01 15:00	7/23/01 11:30	7/23/01 17:30	7/23/01 13:00	0.91
84	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:00	2.74
85	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 18:00	7/23/01 13:30	0.61
86	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:15	3.05
87	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:00	3.66
88	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 14:00	1.22
89	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 17:15	7/23/01 13:30	0.61
90	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 16:30	7/23/01 13:45	0.61
91	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 17:00	7/23/01 14:15	0.00
92	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 16:30	7/23/01 13:50	0.00
93	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 18:30	7/23/01 13:30	0.30
94	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 16:00	7/23/01 13:35	0.00
95	7/23/01 12:01	7/23/01 14:30	7/23/01 12:01	7/23/01 18:00	7/23/01 12:45	1.52
96	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 16:15	7/23/01 13:30	0.00
97	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 20:00	7/23/01 13:30	2.74
98	7/23/01 12:01	7/23/01 15:00	7/23/01 9:45	7/23/01 20:45	7/23/01 22:25	3.66
99	7/23/01 12:01	7/23/01 15:00	7/23/01 10:00	7/23/01 21:00	7/23/01 22:45	2.74
100	7/23/01 12:01	7/23/01 15:00	7/23/01 10:15	7/23/01 20:05	7/23/01 22:30	3.05
101	7/23/01 12:01	7/23/01 15:00	7/23/01 10:15	7/23/01 20:15	7/23/01 22:45	2.44
102	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 23:00	7/23/01 13:30	3.96
103	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 23:00	7/23/01 13:30	3.66
104	7/23/01 12:01	7/23/01 15:00	7/23/01 10:00	7/23/01 19:00	7/23/01 22:50	1.83
105	7/23/01 12:01	7/23/01 15:00	7/23/01 10:00	7/23/01 16:00	7/23/01 22:50	1.22
106	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:00	3.66
107	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 19:00	7/23/01 13:00	3.05
108	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 19:00	7/23/01 13:20	3.35
109	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:30	7/23/01 13:15	3.05
110	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:30	7/23/01 13:15	2.13
111	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 21:00	7/23/01 13:15	2.74
112	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 19:30	7/23/01 13:30	2.13
113	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:00	1.52
114	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 19:30	7/23/01 13:00	1.83

Results of Qestionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
58	0	10,000	Furniture, Electrical goods.	100,000	7/23/01 0:45	7/23/01 20:00
59	0	5,000	TV, VCR, Clothes, Furniture.	200,000	7/23/01 13:15	7/23/01 21:00
60	0	20,000	Electrical goods, Furniture.	150,000	7/23/01 0:50	7/23/01 19:30
61	2	400,000	Furniture, Electrical goods	70,000	7/23/01 0:45	7/23/01 20:00
62	0	12,000	Clothes, Gold, Furniture.	90,000	7/23/01 13:15	7/23/01 19:00
63	10	17,000	Furniture, TV, etc.	80,000	7/23/01 0:45	7/23/01 21:30
64		20,000	Furniture, Electrical goods.	100,000	7/23/01 0:45	7/23/01 20:00
65	0	10,000	Furniture, Electrical goods.	120,000	7/23/01 0:45	7/23/01 23:00
66	8	25,000	Electrical goods, Furniture.	100,000	7/23/01 13:15	7/23/01 20:00
67	3	15,000	Furniture, Clothes, Gold.	180,000	7/23/01 13:15	7/23/01 21:15
68	0	15,000	Furniture, Clothes, Electrical goods.	200,000	7/23/01 13:15	7/23/01 22:15
69	2	35,000	TV, Fridge, VCR, etc.	70,000	7/23/01 0:45	7/23/01 18:00
70	4	25,000	Washing Machine, TV, VCR.	20,000	7/23/01 13:45	7/23/01 20:30
71	0	-				
72	0	-				
73	0	-				
74	0	-				
75	1	20,000	Jewellery	100,000	7/23/01 0:01	7/23/01 17:30
76	8	15,000	General Store.	35,000	7/23/01 0:45	7/23/01 18:00
77	10	25,000	Birds etc	40,000	7/23/01 13:00	
78	0	-				
79	3	50,000	Furniture, TV, VCR.	70,000	7/23/01 0:30	7/23/01 17:30
80	2	70,000	Electronics, Furniture.	100,000	7/23/01 0:30	7/23/01 17:30
81	0	-	Furniture, Clothes.	300,000	7/23/01 0:40	7/23/01 17:30
82	0	-				
83	0	-	Birds.	31,000	7/23/01 11:45	7/23/01 17:30
84	0	-	Hosiery, Crockery, Cosmatics.	150,000	7/23/01 0:40	7/23/01 18:00
85	0	-	Auto spear parts.	18,000		
86	10	50,000	Auto parts.	200,000	7/23/01 0:01	7/23/01 18:00
87	0	-	Hardware, Nuts, Bolts, Tools, Screws.	#####	7/23/01 0:01	7/23/01 18:00
88	0	3,000	Wheat.	75,000	7/23/01 13:15	7/23/01 20:30
89	0	-				
90	0	-				
91	0	-				
92	0	-				
93	0	-	General Items.	10,000		
94	0	-				
95	0	12,000	Computers, Books etc	125,000	7/23/01 11:45	7/23/01 18:00
96	0	-				
97	0	10,000	Furniture, Electrical goods etc	125,000	7/23/01 13:15	7/23/01 21:00
98	13	100,000	Furniture, Electrical goods.	190,000	7/23/01 10:20	7/23/01 23:00
99	13	100,000	Clothes, Gold, Electrical goods etc	85,000	7/23/01 10:35	7/23/01 21:00
100	7	60,000	Furniture, clothes, Electrical goods.	150,000	7/23/01 10:25	7/23/01 21:30
101	19	75,000		125,000	7/23/01 10:35	7/24/01 23:00
102	0	-			7/23/01 13:15	7/23/01 23:00
103	0	12,000	Furniture, Clothes, Electrical goods.	55,000	7/23/01 13:15	7/23/01 22:30
104	8	50,000	Clothes, Gold, Furniture.	125,000	7/23/01 10:15	7/23/01 20:00
105	0	13,000	Electrical goods, Furniture.	120,000	7/23/01 10:45	7/23/01 18:00
106	0	14,000	Furniture, Clothes, TV, VCR etc.	100,000	7/23/01 0:01	7/23/01 19:00
107	0	-	Gold, Furniture, Clothes.	-	7/23/01 0:01	7/23/01 20:00
108	0	20,000	Furniture, Clothes, Electrical goods.	75,000	7/23/01 0:45	7/23/01 20:00
109	4	22,000	Furniture, Clothes, TV, Electrical goods.	80,000	7/23/01 0:45	7/23/01 19:45
110	0	21,000	Furniture, Clothes, Electrical goods.	50,000	7/23/01 0:45	7/23/01 19:45
111	0	-	Electrical goods, Furniture.	180,000	7/23/01 0:01	7/23/01 19:00
112	0	-	TV, Furniture, Electrical goods, Clothes.	175,000	7/23/01 0:45	7/23/01 19:45
113	0	10,000	Electrical goods, Furniture etc.	125,000	7/23/01 0:50	7/23/01 20:00
114	0	10,000	Furniture, TV, VCR.	129,000	7/23/01 0:45	7/23/01 20:00

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
58	On top of the house.	himself	
59	Went to home.	himself	
60	Went to home.	himself	
61	On top of the godown.	himself	
62	Went to nearest safe place.	himself	
63	On top floor of the house.	himself	
64	On top floor of the house.	himself	
65	On top floor of the house.	himself	
66	On top floor of the house.	himself	
67	On top floor of the house.	himself	
68			
69	On top of the house.	himself	Not possible to evacuate due to shortage of time.
70			
71			Because the water level was very low.
72			Not possible
73			The water depth was very low.
74			
75	On top of the shop.	himself	Not possible to evacuate due to shortage of time.
76	Stood in deep water.	Himself	Shifted to upper storey.
77	Top of the shop.	himself	
78			Water was very low.
79	On top of the house.	himself	Not possible to evacuate due to shortage of time.
80	On top of the house.	himself	Not possible to evacuate due to shortage of time.
81	On top of the house.	himself	Not possible to evacuate due to shortage of time.
82			No Inundation
83	On top of the shop.	himself	Not possible to evacuate due to shortage of time.
84	On top of the shop.	himself	Not possible to evacuate due to shortage of time.
85			Not possible.
86	On top of the shop.	himself	Not possible to evacuate due to shortage of time.
87	Left the territory to save life.	himself	
88	Went to home.	himself	
89			Water was very low.
90			Water was very low from the ground.
91			Water was very low.
92			Water was very low.
93			Water level was very low.
94			No Inundation.
95	On the roof of our neighbours.	himself	Not possible to evacuate due to shortage of time.
96			Not possible.
97	On top of the house.	himself	
98	On top of the house.	himself	
99	On top of the house.	himself	
100	On top floor of the house.	himself	
101	On top of the house.	himself	
102	On top floor of the house.	himself	
103	On top floor of the house.		
104	On top of the house.	himself	
105	On top of the house.	himself	
106	On top of the house.	himself	
107	On top of the house.	himself	
108	On top of the house.	himself	
109	On top of the house.	himself	
110			
111			
112	On top floor of the house.	himself	
113	On top floor of the house.	himself	
114	On top of the house.	himself	

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
58	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
59	TRUE	FALSE	FALSE	FALSE	TRUE	Metallic road on both banks.
60	TRUE	FALSE	FALSE	FALSE	TRUE	Protection wall on both banks to protect, Garbage dumping.
61	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening of Channel.
62	FALSE	FALSE	FALSE	FALSE	TRUE	Linning of Lai Nullah side and bottom.
63	FALSE	FALSE	FALSE	FALSE	FALSE	Mettalic road on both banks.
64	TRUE	FALSE	FALSE	FALSE	TRUE	Protection wall on both banks to protect, Garbage dumping.
65	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of Channel.
66	TRUE	TRUE	TRUE	TRUE	TRUE	Linning of Lai Nullah side and bottom.
67	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
68	FALSE	FALSE	FALSE	FALSE	TRUE	Metallic road on both banks
69	TRUE	FALSE	TRUE	FALSE	FALSE	
70	FALSE	FALSE	FALSE	FALSE	TRUE	
71	TRUE	FALSE	FALSE	FALSE	TRUE	
72	TRUE	FALSE	TRUE	TRUE	TRUE	
73	TRUE	FALSE	FALSE	FALSE	TRUE	Protection wall on both banks to protect, Garbage dumping
74	TRUE	FALSE	FALSE	TRUE	TRUE	
75	FALSE	FALSE	FALSE	FALSE	FALSE	Diversion of river from Islamabad.
76	FALSE	TRUE	FALSE	FALSE	FALSE	
77	TRUE	TRUE	TRUE	TRUE	TRUE	
78	TRUE	TRUE	FALSE	TRUE	TRUE	
79	TRUE	FALSE	TRUE	FALSE	FALSE	
80	FALSE	TRUE	FALSE	FALSE	TRUE	
81	TRUE	FALSE	FALSE	FALSE	FALSE	
82	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening and widening of Channel
83	TRUE	FALSE	FALSE	FALSE	TRUE	
84	TRUE	FALSE	TRUE	FALSE	FALSE	
85	TRUE	FALSE	TRUE	TRUE	TRUE	
86	FALSE	TRUE	FALSE	FALSE	FALSE	
87	TRUE	FALSE	TRUE	TRUE	FALSE	Deepening of Nullah.
88	FALSE	FALSE	FALSE	FALSE	FALSE	
89	FALSE	FALSE	FALSE	FALSE	TRUE	Linning and widening of channel.
90	TRUE	FALSE	FALSE	FALSE	TRUE	Deepening and Widening of Channel.
91	TRUE	FALSE	FALSE	TRUE	TRUE	
92	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both Banks to protect, Garbage dumping
93	TRUE	TRUE	FALSE	TRUE	TRUE	
94	TRUE	FALSE	FALSE	TRUE	TRUE	
95	TRUE	TRUE	FALSE	FALSE	FALSE	Diversion of river from Islamabad.
96	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening of the canal.
97	TRUE	TRUE	TRUE	TRUE	TRUE	Metallic road on both banks.
98	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
99	TRUE	FALSE	FALSE	FALSE	TRUE	Deepening and Widening of Channel
100	TRUE	FALSE	FALSE	TRUE	TRUE	Metallic road on both the banks.
101	TRUE	FALSE	FALSE	TRUE	TRUE	Metallic road on both banks.
102	TRUE	FALSE	FALSE	TRUE	TRUE	Deepening and widening of channel.
103	TRUE	FALSE	FALSE	TRUE	TRUE	Metallic road on banks
104	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
105	TRUE	TRUE	TRUE	TRUE	TRUE	Metallic road on both banks.
106	TRUE	FALSE	FALSE	TRUE	TRUE	Linning of Lai Nullah side and bottom.
107	TRUE	FALSE	TRUE	TRUE	TRUE	Deepening and widening of channel.
108	TRUE	TRUE	FALSE	TRUE	TRUE	
109	TRUE	FALSE	FALSE	TRUE	TRUE	Linning of Lai Nullah side and bottom.
110	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
111	TRUE	FALSE	FALSE	TRUE	TRUE	
112	TRUE	TRUE	FALSE	TRUE	TRUE	Deepening and widening of channel.
113	TRUE	TRUE	TRUE	TRUE	TRUE	Protection wall on both banks to protect, garbage dumping
114	TRUE	FALSE	FALSE	TRUE	TRUE	

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
115	2002/9/9	33	36.640	73	2.810	50	Electronic Mechanic	650,000	200,000
116	2002/9/9	33	36.682	73	2.828	38	Photographer	600,000	150,000
117	2002/9/25	33	36.553	73	2.931	19	Shopkeeper	500,000	225,000
118	2002/9/25	33	36.452	73	2.890	8	Gov't Employee	-	60,000
119	2002/9/25	33	36.450	73	2.892	5	Carter	-	70,000
120	2002/9/25	33	36.382	73	2.961	2	Salesman	630,000	210,000
121	2002/9/25	33	36.415	73	2.834	14	Business	-	145,000
122	2002/9/20	33	37.233	73	2.886	40	Milkman	1,000,000	500,000
123	2002/12/9	33	36.419	73	3.450	14	Shopkeeper	-	300,000
124	2002/9/27	33	36.404	73	3.542	4	Shopkeeper	-	225,000
125	2002/9/18	33	38.224	73	2.941	20	Labour	450,000	-
126	2002/9/25	33	39.946	73	3.235	32	Cotton factory office	2,500,000	200,000
127	2002/9/25	33	39.835	73	3.345	23	Marble Factory owner	500,000	-
128	2002/9/25	33	40.469	73	3.576	16	Service	20,000,000	600,000
129	2002/9/25	33	40.403	73	3.676	5	Chowkidar	10,000,000	1,000,000
130	2002/9/25	33	40.384	73	3.831	15	Superindent Edhi House	20,000,000	500,000
131	2002/9/26	33	37.473	73	2.422	15	Army Service	300,000	-
132	2002/9/26	33	37.415	73	2.386	37	Labour (Weaving)	450,000	75,000
133	2002/9/26	33	37.428	73	2.595	10	Service (Welder)	105,000	20,000
134	2002/9/26	33	37.441	73	2.601	20	Labour (Business)	120,000	60,000
135	2002/9/26	33	36.628	73	2.421	32	Railway employee (Carpenter works)	80,000	30,000
136	2002/9/26	33	36.598	73	2.385	30	Labour	200,000	65,000
137	2002/9/26	33	36.614	73	2.359	10	Service (ADBP)	200,000	70,000
138	2002/9/19	33	37.969	73	2.716	4	Labour (House wife)	200,000	50,000
139	2002/9/19	33	37.966	73	2.718	4	Labour	240,000	60,000
140	2002/9/19	33	37.952	73	2.758	15	Shop Owner	120,000	185,000
141	2002/9/19	33	37.918	73	2.837	24	Watch maker	1,000,000	110,000
142	2002/9/19	33	37.824	73	2.820	10	School Teacher	600,000	300,000
143	2002/10/23	33	38.237	73	3.019	10	Employee Atomic Energy Commission	1,000,000	300,000
144	2002/9/27	33	36.587	73	2.562	10	Car Denter / Welder	400,000	150,000
145	2002/9/27	33	36.527	73	2.687	50	Shop owner	800,000	200,000
146	2002/9/27	33	36.521	73	2.645	32	Pensioner	1,000,000	300,000
147	2002/9/27	33	36.479	73	2.611	37	Labour	300,000	75,000
148	2002/9/28	33	36.678	73	2.574	50	Milkman	520,000	150,000
149	2002/9/28	33	36.623	73	2.588	50	Steel fixing	500,000	75,000
150	2002/9/28	33	36.637	73	2.643	50	Retd. Railway Employee.	200,000	75,000
151	2002/9/28	33	36.695	73	2.703	50	Shop Owner	300,000	75,000
152	2002/9/30	33	37.387	73	4.049	3	Shop owner	150,000	75,000
153	2002/9/30	33	37.306	73	4.033	18	Gold smith	250,000	75,000
154	2002/9/30	33	37.236	73	4.016	42	House wife	350,000	125,000
155	2002/9/30	33	37.238	73	4.017	2		650,000	250,000
156	2002/9/30	33	37.191	73	4.155	40	Social Worker	250,000	150,000
157	2002/1/10	33	37.120	73	4.087	50	Labour	250,000	100,000
158	2002/1/10	33	37.142	73	4.056	30	Shop Owner	350,000	100,000
159	2002/1/10	33	37.175	73	4.105	40	Labour	275,000	175,000
160	2002/1/10	33	37.200	73	4.152	70	Carpenter	400,000	200,000
161	2002/1/10	33	37.074	73	4.227	40	Defence Employee (R)	350,000	100,000
162	2002/1/10	33	37.066	73	4.179	50	Shop keeper	-	15,000
163	2002/2/10	33	36.985	73	4.170	4	Service	800,000	190,000
164	2002/2/10	33	36.953	73	4.130	25	Service	450,000	125,000
165	2002/2/10	33	36.936	73	4.082	44	Store officer, OGDC (R)	1,500,000	-
166	2002/2/10	33	36.742	73	4.343	30	Shop Owner	150,000	40,000
167	2002/2/10	33	36.489	73	4.533	42	Service	800,000	200,000
168	2002/2/10	33	36.473	73	4.448	15	Rikshaw Driver	600,000	50,000
169	2002/2/10	33	36.417	73	4.395	3	Shop Owner	200,000	60,000
170	2002/2/10	33	36.482	73	4.302	4	Retd. Subedar Pak Army	-	125,000
171	2002/3/10	33	36.402	73	4.205	15	Shop Owner	250,000	190,000

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
115	2001/7/23	3.35	6.0	A	Lai Nullah	7/23/01 10:00	7/23/01 15:00
116	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 10:00	7/23/01 14:00
117	2001/7/23	3.35	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:00
118	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:30
119	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 10:30	7/23/01 15:30
120	2001/7/23	1.52	4.0	A	Lai Nullah	7/23/01 11:00	7/23/01 15:30
121	2001/7/23	2.74	6.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
122	2001/7/23	4.57	12.0	A	Lai Nullah	7/23/01 10:15	7/23/01 17:15
123	2001/7/23	4.27	12.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
124	2001/7/23	2.74	8.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:30
125	2001/7/23	2.29	5.5	D	Lai	7/23/01 9:00	7/23/01 16:30
126	2001/7/23	1.37	8.3	E	Tri. Of Lai	7/23/01 8:00	7/23/01 16:45
127	2001/7/23	0.46	4.0	E	Tributary of Lai	7/23/01 8:00	7/23/01 16:45
128	2001/7/23	0.00	0.0	E	Tri. Of Lai	7/23/01 9:00	7/23/01 15:30
129	2001/7/23	0.46	1.5	B	Tri. Of Lai	7/23/01 9:00	7/23/01 15:30
130	2001/7/23	2.29	1.0	B	Tri. Of Lai	7/23/01 8:00	7/23/01 16:00
131	2001/7/23	4.57	5.5	E	Kansi	7/23/01 11:00	7/23/01 18:30
132	2001/7/23	1.83	4.0	E	Tri. Of Lai	7/23/01 8:00	7/23/01 16:30
133	2001/7/23	3.66	8.0	E	Kansi Tri. Of Lai	7/23/01 10:00	7/23/01 15:00
134	2001/7/23	2.90	8.0	E	Kansi Nullah	7/23/01 10:00	7/23/01 15:00
135	2001/7/23	2.74	2.5	B	Tributary	7/23/01 9:00	7/23/01 16:30
136	2001/7/23	6.10	12.5	B	Tributary	7/23/01 10:30	7/23/01 18:00
137	2001/7/23	2.13	6.5	B	Tri. Lai	7/23/01 10:30	7/23/01 18:00
138	2001/7/23	3.05	7.8	B	Nullah Lai	7/23/01 7:00	7/23/01 17:00
139	2001/7/23	3.35	8.0	B	Nullah Lai	7/23/01 7:00	7/23/01 17:00
140	2001/7/23	3.05	8.0	B	Nullah Lai	7/23/01 9:00	7/23/01 15:00
141	2001/7/23	3.05	3.5	B	Nullah Lai	7/23/01 9:00	7/23/01 16:00
142	2001/7/23	4.12	6.3	B	Nullah Lai	7/23/01 11:30	7/23/01 14:00
143	2001/7/23	0.37	2.0	A		7/23/01 11:00	7/23/01 16:00
144	2001/7/23	3.32	4.5	D		7/23/01 11:00	7/23/01 16:00
145	2001/7/23	4.57	0.0	B	Nullah	7/23/01 10:30	7/23/01 20:00
146	2001/7/23	3.96	11.0	B	Nullah Tri. Of Lai	7/23/01 10:00	7/23/01 20:00
147	2001/7/23	4.42	7.5	E	Nullah tri at lai	7/23/01 10:00	7/23/01 16:30
148	2001/7/23	6.10	4.0	E	Nullah Tri of lai	7/23/01 10:00	7/23/01 13:00
149	2001/7/23	1.52	5.3	B	Tri of Lai	7/23/01 11:15	7/23/01 14:00
150	2001/7/23	1.52	3.5	B	Nullah Lai	7/23/01 9:00	7/23/01 16:00
151	2001/7/23	1.60	3.5	B	Nullah Tri of Lai	7/23/01 11:00	7/23/01 16:00
152	2001/7/23	1.45	7.0	F		7/23/01 11:00	7/23/01 15:45
153	2001/7/23	1.60	7.0	F		7/23/01 10:30	7/23/01 16:30
154	2001/7/23	1.83	5.5	D		7/23/01 11:00	7/23/01 16:00
155	2001/7/23	1.68	7.5	F		7/23/01 11:00	7/23/01 15:30
156	2001/7/23	0.76	3.0	D		7/23/01 10:30	7/23/01 16:00
157	2001/7/23	1.52	9.4	D		7/23/01 9:00	7/23/01 15:00
158	2001/7/23	0.46	1.5	D		7/23/01 10:00	7/23/01 16:00
159	2001/7/23	1.83	21.0	D		7/23/01 11:00	7/23/01 20:00
160	2001/7/23	1.22	11.0	F		7/23/01 11:30	7/23/01 20:00
161	2001/7/23	0.61	5.0	D		7/23/01 7:00	7/23/01 19:00
162	2001/7/23	1.14	9.0	F		7/23/01 10:00	7/23/01 18:30
163	2001/7/23	1.83	6.3	F		7/23/01 12:45	7/23/01 18:00
164	2001/7/23	0.76	12.0	D		7/23/01 5:00	7/23/01 17:00
165	2001/7/23	1.22	8.4	D		7/23/01 1:00	7/23/01 13:00
166	2001/7/23	0.61	12.0	D		7/23/01 10:00	7/23/01 23:00
167	2001/7/23	2.13	12.3	D		7/23/01 11:00	7/23/01 12:01
168	2001/7/23	3.35	9.5	D		7/23/01 10:00	7/23/01 15:00
169	2001/7/23	3.89	11.0	F		7/23/01 10:00	7/23/01 15:00
170	2001/7/23	2.44	12.5	D		7/23/01 9:30	7/23/01 19:00
171	2001/7/23	1.98	5.3	F		7/23/01 11:30	7/23/01 18:30

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
115	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:30	7/23/01 13:00	3.05
116	7/23/01 12:01	7/23/01 14:30	7/23/01 12:01	7/23/01 17:00	7/23/01 12:45	2.44
117	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:30	7/23/01 13:15	2.74
118	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:30	7/23/01 13:15	2.44
119	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:30	2.13
120	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:30	1.22
121	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:30	2.13
122	7/23/01 12:05	7/23/01 15:10	7/23/01 9:30	7/23/01 21:30	7/23/01 22:15	4.27
123	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 12:30	7/23/01 13:30	3.96
124	7/23/01 12:01	7/23/01 15:00	7/23/01 12:50	7/23/01 20:45	7/23/01 13:30	2.13
125	7/23/01 13:00	7/23/01 15:30	7/23/01 13:00	7/23/01 18:30	7/23/01 13:30	1.83
126	7/23/01 11:30	7/23/01 15:00	7/23/01 11:45	7/23/01 20:00	7/23/01 13:50	0.69
127	7/23/01 11:30	7/23/01 15:00	7/23/01 12:01	7/23/01 16:00	7/23/01 13:30	0.00
128	7/23/01 10:00	7/23/01 13:00	7/23/01 11:00	7/23/01 13:30	7/23/01 12:01	1.07
129	7/23/01 10:00	7/23/01 13:00	7/23/01 11:30	7/23/01 13:00	7/23/01 14:00	0.30
130	7/23/01 8:00	7/23/01 15:00	7/23/01 14:30	7/23/01 15:30	7/23/01 15:00	1.52
131	7/23/01 14:00	7/23/01 18:00	7/23/01 15:30	7/23/01 21:00	7/23/01 16:30	3.96
132	7/23/01 12:01	7/23/01 16:00	7/23/01 15:00	7/23/01 19:00	7/23/01 15:30	1.52
133	7/23/01 10:00	7/23/01 15:00	7/23/01 12:01	7/23/01 20:00	7/23/01 12:30	2.90
134	7/23/01 10:00	7/23/01 15:00	7/23/01 12:01	7/23/01 20:00	7/23/01 12:30	2.59
135	7/23/01 9:00	7/23/01 11:00	7/23/01 11:30	7/23/01 13:00	7/23/01 15:00	2.44
136	7/23/01 10:30	7/23/01 13:00	7/23/01 12:01	7/23/01 23:30	7/23/01 12:01	5.64
137	7/23/01 10:30	7/23/01 13:00	7/23/01 13:30	7/23/01 20:00	7/23/01 14:30	1.52
138	7/23/01 10:00	7/23/01 17:00	7/23/01 11:15	7/23/01 19:00	7/23/01 12:01	2.44
139	7/23/01 10:00	7/23/01 17:00	7/23/01 11:00	7/23/01 19:00	7/23/01 12:01	2.13
140	7/23/01 10:00	7/23/01 12:01	7/23/01 10:30	7/23/01 18:30	7/23/01 13:30	2.90
141	7/23/01 10:00	7/23/01 16:00	7/23/01 13:30	7/23/01 17:00	7/23/01 16:00	1.83
142	7/23/01 12:30	7/23/01 13:45	7/23/01 12:45	7/23/01 19:00		3.96
143	7/23/01 11:00	7/23/01 15:00	7/23/01 10:30	7/23/01 14:30	7/23/01 23:00	1.07
144	7/23/01 11:00	7/23/01 12:30	7/23/01 13:30	7/23/01 18:00	7/23/01 15:00	2.71
145	7/23/01 10:30	7/23/01 12:30	7/23/01 13:00	7/23/01 22:00	7/23/01 13:45	3.96
146	7/23/01 10:00	7/23/01 14:00	7/23/01 11:00	7/23/01 22:00	7/23/01 14:00	3.96
147	7/23/01 11:00	7/23/01 13:00	7/23/01 13:30	7/23/01 21:00	7/23/01 14:00	4.27
148	7/23/01 10:00	7/23/01 13:00	7/23/01 13:00	7/23/01 17:00	7/23/01 14:00	5.79
149	7/23/01 11:15	7/23/01 14:00	7/23/01 14:15	7/23/01 19:30	7/23/01 14:45	1.22
150	7/23/01 11:00	7/23/01 13:00	7/23/01 13:30	7/23/01 17:00	7/23/01 13:45	1.52
151	7/23/01 11:30	7/23/01 13:30	7/23/01 14:00	7/23/01 17:45	7/23/01 16:30	1.60
152	7/23/01 11:00	7/23/01 15:45	7/23/01 12:30	7/23/01 19:30	7/23/01 14:45	1.22
153	7/23/01 11:00	7/23/01 16:30	7/23/01 12:01	7/23/01 19:00	7/23/01 15:00	1.60
154	7/23/01 11:30	7/23/01 16:00	7/23/01 12:01	7/23/01 17:30	7/23/01 15:30	1.83
155	7/23/01 11:00	7/23/01 23:45	7/23/01 13:00	7/23/01 20:30	7/23/01 13:20	0.91
156	7/23/01 11:00	7/23/01 16:00	7/23/01 16:00	7/23/01 19:00	7/23/01 16:30	0.30
157	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 21:45	7/23/01 14:45	1.52
158	7/23/01 11:30	7/23/01 13:00	7/23/01 14:00	7/23/01 15:30	7/23/01 15:00	0.30
159	7/23/01 14:00	7/23/01 15:00	7/23/01 12:01	7/23/01 21:00	7/23/01 12:30	1.83
160	7/23/01 11:45	7/23/01 16:00	7/23/01 11:30	7/23/01 22:30	7/23/01 16:00	0.91
161	7/23/01 9:00	7/23/01 23:00	7/23/01 11:00	7/23/01 16:00	7/23/01 15:00	0.46
162	7/23/01 11:30	7/23/01 13:00	7/23/01 13:00	7/23/01 22:00	7/23/01 13:15	0.99
163	7/23/01 13:00	7/23/01 14:30	7/23/01 13:15	7/23/01 19:30	7/23/01 13:45	1.52
164	7/23/01 13:00	7/23/01 14:30	7/23/01 7:00	7/23/01 19:00	7/23/01 14:30	0.46
165	7/23/01 13:00	7/23/01 13:00	7/23/01 9:00	7/23/01 17:45	7/23/01 21:30	0.91
166	7/23/01 10:00	7/23/01 22:45	7/23/01 11:00	7/23/01 23:00	7/23/01 13:15	0.61
167	7/23/01 11:30	7/23/01 16:00	7/23/01 11:45	7/23/01 12:01	7/23/01 16:00	1.83
168	7/23/01 10:00	7/23/01 12:01	7/23/01 12:30	7/23/01 22:00	7/23/01 14:00	2.93
169	7/23/01 10:00	7/23/01 12:01	7/23/01 13:00	7/23/01 12:01	7/23/01 17:00	2.90
170	7/23/01 10:30	7/23/01 16:00	7/23/01 12:01	7/23/01 13:00	7/23/01 13:00	2.44
171	7/23/01 15:00	7/23/01 15:30	7/23/01 14:00	7/23/01 19:30	7/23/01 14:30	1.83

Results of Qestionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
115	2	10,000	Furniture, TV, VCR, Electronic items.	85,000	7/23/01 0:30	7/23/01 17:30
116	6	35,000	VCR, Video Camera, TV, Camera etc.	125,000	7/23/01 0:01	7/23/01 17:00
117	10	50,000	Electrical goods, Furniture.	100,000	7/23/01 13:00	7/23/01 19:30
118	0	-	Electrical goods, Furniture etc	50,000	7/23/01 13:00	7/23/01 19:00
119	0	12,000	Electrical goods, furniture etc.	65,000	7/23/01 13:15	7/23/01 20:00
120	3	15,000	Electronic goods, Furniture etc.	50,000		
121	0	10,000	TV, Furniture, VCR etc	100,000	7/23/01 13:15	7/23/01 20:00
122	15	150,000	Ten buffalows, TV, furniture etc.	450,000	7/23/01 10:00	7/23/01 22:00
123	0	-	Hardware, Nuts, tools.	200,000	7/23/01 13:00	7/23/01 22:30
124	0	-	General Store items.	175,000	7/23/01 13:15	7/23/01 22:00
125	11	50,000	Dowery of daughters, TV, Clothes, & 6 Totals Gold etc	150,000	7/23/01 13:00	7/23/01 20:00
126	12	300,000	Office records, furniture, Carpets.	150,000		
127	0	-	electric motors, mechanical tools	30,000		
128	625	125,000	TV, Car, Carpets, beddings, Clothes etc	250,000		
129	0	-				
130	0	30,000	Furniture, beds, Clothes, Wireless Sets 5 Nos.	20,000		
131	2	5,000	Dowery of daughters, Gold ornaments, furniture, Clothes etc	200,000		
132	0	-	Beddings, cots, clothes, furniture, clothes	10,000	7/23/01 15:00	7/23/01 20:00
133	0	-	Beddings, Furniture	10,000	7/23/01 12:01	7/23/01 23:00
134	0	-	TV, Furniture, Clothes etc	20,000	7/23/01 12:01	7/23/01 23:00
135	56	45,000	TV, Furniture, Clothes, Dowery of daughter	25,000		
136	0	-	Cots, beddings, TV, VCR, Furniture, Grocery, Shop items etc	40,000		
137	0	-	Books, Beddings, Furniture, Clothes.	10,000		
138	25	50,000	TV, Furniture, beddings, Clothes, radio, Fridge	30,000	7/23/01 11:30	7/23/01 20:00
139	13	30,000	TV, Beddings, Clothes, Cash 5 thousand, electric appliances etc	50,000	7/23/01 11:00	7/23/01 20:00
140	1	1,000	Shop full of various Grocery items	185,000		
141	1	10,000	Cots, Beddings, TV, Iron, Aircooler, Fans 2, Furniture, Cycle	65,000	7/23/01 13:30	7/23/01 18:00
142	0	-	Beddings 6 No, Tape recorder, Fans, TV, Sofa set, Washing Machine, Clothes etc	40,000	7/23/01 13:30	7/23/01 19:00
143	1	5,000	Furniture, Carpets	6,000		
144	4	15,000	Furniture, Cash 6000.00, Grocery stores items, Clothes etc	40,000	7/23/01 14:00	7/23/01 18:00
145	0	-	Various Grocery items eg. Flour, Grains, Sugar etc	20,000		
146	0	40,000	Household goods, Car, 4 New car tyres, Quilts, Carpets etc	200,000	7/23/01 11:00	7/23/01 23:00
147	0	5,000	Clothes, quilts, furniture food stuff etc	30,000	7/23/01 14:00	7/23/01 22:00
148	6	30,000	Beddings, fans, electronic goods.	25,000	7/23/01 13:00	7/23/01 18:30
149	10	50,000	Sofa set, Beddings, TV, and Clothes.	25,000	7/23/01 14:30	7/23/01 20:00
150	20	40,000	Beddings, Clothes, TV, Refrigerator, Deck.	20,000	7/23/01 13:00	7/23/01 18:00
151	8	25,000	TV, Refrigerator, Washing machine, fans, clothes etc	10,000	7/23/01 14:00	7/23/01 20:00
152	0	-	Various items of spare parts AC & Refrigerators etc	50,000		
153	0	-	Clothes, beddings, sofa set, shoe case.	35,000		
154	1	5,000	Beddings, electric appliances, furniture, clothes.	15,000	7/23/01 0:01	7/23/01 18:00
155	0	-	Clothes, furniture, motor, Gas Geysers, Food stuff etc	25,000		
156	10	25,000	Carpet, Sofa set, file rack, office removal.	15,000		
157	20	50,000	Refrigerator, TV, furniture, Clothes etc	40,000	7/23/01 12:01	7/23/01 20:00
158	0	-				
159	0	10,000	Furniture, Carpets, Deck, dowery, food stuff etc	135,000	7/23/01 0:01	7/23/01 21:30
160	0	-				
161	0	-	Beddings, Furniture, Carpets.	50,000	7/23/01 11:00	7/23/01 18:00
162	0	-	Some household goods, grocery store items.	16,100	7/23/01 13:00	7/23/01 22:00
163	0	1,000	Furniture, beddings, VCR, VCD, Refrigerator etc.	30,000	7/23/01 13:30	7/23/01 20:00
164	9	40,000	Refrigerator, Carpets, Clothes, Beddings.	30,000		
165	0	-	Dowery of daughter, Carpets & Clothes etc	22,000	7/23/01 9:00	7/23/01 18:00
166	0	-	Refrigerator, Books, Journals.	5,000		
167	0	-	TV, Beddings, Furniture, Clothes etc	60,000	7/23/01 0:01	7/23/01 12:01
168	3	16,000	Beddings, furniture, Refrigerator & Clothes etc	36,000	7/23/01 0:30	7/23/01 23:00
169	0	-	5 No. Video games.	60,000		
170	0	-	Grocery items, Sugar, Flour, Grains, Rice bags, etc	125,000		
171	0	-	Freezer, Grocery items, Sugar, Rice, Grains etc	125,000		

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
115	On top roof of the house.	himself	evacuated
116	On top roof of the Mosque.	himself	Evacuated to the Mosque
117	On top floor of the house.	himself	
118	On top floor of the house.	himself	
119	On top floor of the house.	himself	
120			
121	On top of the house.	himself	
122	On top of the house.	Himself	
123	Left the place to save our lives.	Himself	Evacuated
124	Left the territory to save lives.	Himself	
125	To near by higher places	None	
126			Flood did not allow evacuation.
127			flood did not allow to evacuate
128			Instant flood did not allow
129			not required
130			Flood gave no chance
131			sudden flood
132	Top of roof	None	
133	Shifted to 2nd storey	nobody	
134	Shifted to 2nd storey		
135			could not vacate due to heavy flood
136			Time did not permit
137			Not required
138	to nearby safe places	None	
139	Top of roof	None	
140			sudden inundation
141	Top of roof		
142	Nearby house roof (high located)	None	
143			Not required.
144	to nearby Grave yard located at higher place	none	
145	top of roof	None	
146	top of roof	None	
147	top of roof	None	
148	Top roof 2nd storey	None	
149	Top of roof	None	
150	On top of roof.	None	
151	To relatives houses located at higher places.	None	
152			sudden inundation did not permit evacuation
153			instant inundation
154	On top of roof.	None	
155			Necessity did not arise.
156	Shifted to 2nd storey	none	
157	To relatives living at higher places.		
158			Did not feel necessity.
159	To the top of roof.		
160	Top of roof	None	
161	On top of roof.	None.	
162	On top of the roof.		
163	Shifted to 2nd storey.	None	
164			Not required
165	On top of roof.	None	
166			Sudden inundation did not permit.
167	On top of roof.	None	
168	To nearby mosque.	Nobody.	
169			Sudden flood.
170			Sudden inundation.
171		None	Sudden flood did not permit.

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
115	TRUE	TRUE	FALSE	FALSE	FALSE	Diversion of river from Islamabad.
116	TRUE	FALSE	FALSE	TRUE	FALSE	
117	TRUE	FALSE	TRUE	TRUE	TRUE	Deepening and widening of channel.
118	TRUE	TRUE	FALSE	TRUE	TRUE	
119	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks to protect, garbage dumping
120	TRUE	FALSE	FALSE	TRUE	TRUE	Protection wall on both the banks to protect, Garbage dumping
121	TRUE	FALSE	FALSE	TRUE	TRUE	Deepening and widening of channel.
122	TRUE	TRUE	FALSE	TRUE	TRUE	
123	TRUE	FALSE	FALSE	TRUE	TRUE	
124	TRUE	TRUE	FALSE	TRUE	TRUE	Deepening of Nullah.
125	TRUE	FALSE	TRUE	FALSE	TRUE	
126	TRUE	FALSE	TRUE	FALSE	TRUE	
127	TRUE	TRUE	FALSE	FALSE	TRUE	
128	TRUE	FALSE	TRUE	FALSE	TRUE	
129	TRUE	TRUE	FALSE	TRUE	TRUE	
130	TRUE	FALSE	TRUE	TRUE	TRUE	
131	TRUE	FALSE	TRUE	FALSE	TRUE	
132	TRUE	FALSE	TRUE	FALSE	TRUE	
133	TRUE	TRUE	FALSE	FALSE	TRUE	
134	TRUE	FALSE	TRUE	TRUE	TRUE	
135	TRUE	TRUE	FALSE	FALSE	TRUE	
136	TRUE	TRUE	FALSE	FALSE	TRUE	
137	TRUE	TRUE	FALSE	TRUE	TRUE	
138	TRUE	TRUE	TRUE	TRUE	TRUE	
139	TRUE	FALSE	TRUE	TRUE	TRUE	
140	TRUE	FALSE	TRUE	FALSE	TRUE	
141	TRUE	FALSE	TRUE	FALSE	TRUE	
142	TRUE	FALSE	TRUE	FALSE	TRUE	
143	TRUE	FALSE	TRUE	FALSE	TRUE	
144	TRUE	FALSE	TRUE	FALSE	TRUE	
145	TRUE	FALSE	TRUE	FALSE	TRUE	
146	TRUE	FALSE	FALSE	FALSE	FALSE	
147	TRUE	FALSE	TRUE	FALSE	TRUE	
148	TRUE	FALSE	TRUE	FALSE	TRUE	
149	TRUE	TRUE	FALSE	TRUE	TRUE	
150	TRUE	TRUE	FALSE	TRUE	TRUE	
151	TRUE	FALSE	TRUE	FALSE	TRUE	
152	TRUE	FALSE	TRUE	FALSE	TRUE	
153	TRUE	TRUE	FALSE	FALSE	TRUE	
154	TRUE	FALSE	TRUE	FALSE	TRUE	
155	TRUE	FALSE	TRUE	FALSE	TRUE	
156	TRUE	TRUE	TRUE	FALSE	TRUE	
157	TRUE	FALSE	TRUE	FALSE	TRUE	
158	TRUE	FALSE	TRUE	FALSE	TRUE	
159	TRUE	FALSE	TRUE	FALSE	TRUE	
160	TRUE	TRUE	FALSE	TRUE	TRUE	
161	TRUE	TRUE	FALSE	TRUE	TRUE	
162	TRUE	TRUE	FALSE	FALSE	TRUE	
163	TRUE	FALSE	TRUE	TRUE	TRUE	
164	TRUE	FALSE	TRUE	FALSE	TRUE	
165	TRUE	TRUE	TRUE	FALSE	TRUE	
166	TRUE	TRUE	FALSE	TRUE	TRUE	
167	TRUE	FALSE	TRUE	TRUE	TRUE	
168	TRUE	FALSE	TRUE	FALSE	TRUE	
169	TRUE	TRUE	TRUE	TRUE	TRUE	
170	TRUE	TRUE	TRUE	FALSE	TRUE	
171	TRUE	TRUE	TRUE	TRUE	TRUE	

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
172	2002/3/10	33	36.468	73	4.178	25	Lahore	800,000	150,000
173	2002/3/10	33	36.469	73	4.104	20	R. Gov't Service	900,000	300,000
174	2002/3/10	33	36.550	73	4.066	60	Homeo pathic Practice.	2,000,000	200,000
175	2002/3/10	33	36.558	73	4.068	40	Service	250,000	50,000
176	2002/3/10	33	36.061	73	4.607	35	Shop Owner	5,000,000	400,000
177	2002/3/10	33	36.596	73	4.152	3	Shop keeper	500,000	250,000
178	2002/3/10	33	36.617	73	4.079	48	Retd. Lt. Col, Pak Army	2,500,000	500,000
179	2002/9/17	33	36.304	73	4.063	7	Shopkeeper	-	600,000
180	2002/9/17	33	36.292	73	4.121	4	Housewife	-	180,000
181	2002/9/17	33	36.322	73	4.197	3	Housewife.	-	95,000
182	2002/9/17	33	36.332	73	4.283	17	Retd Gov't Servant	900,000	200,000
183	2002/9/18	33	36.331	73	4.393	4	Driver	-	160,000
184	2002/9/18	33	36.292	73	4.515	6	Businessman	-	125,000
185	2002/9/18	33	36.265	73	4.081	8	Housewife	-	210,000
186	2002/9/18	33	36.242	73	4.193	4	Shopkeeper	-	90,000
187	2002/9/24	33	36.191	73	4.092	6	Teacher	-	280,000
188	2002/9/24	33	36.223	73	4.154	9	Shopkeeper	-	120,000
189	2002/9/13	33	36.135	73	4.084	22	Retd. Gov't Servant	1,500,000	1,000,000
190	2002/9/15	33	36.178	73	4.232	25	Shopkeeper	1,000,000	190,000
191	2002/9/15	33	36.181	73	4.423	0	Taxi Driver	500,000	50,000
192	2002/9/25	33	36.224	73	4.552	25	Salesman	350,000	80,000
193	2002/9/15	33	36.213	73	4.842	8	Shopkeeper	750,000	170,000
194	2002/9/16	33	36.242	73	5.000	4	Agriculturist	-	225,000
195	2002/9/17	33	36.059	73	4.051	4	Shopkeeper	-	110,000
196	2002/9/14	33	36.076	73	4.220	15	Service (PTCL)	-	70,000
197	2002/9/26	33	36.061	73	4.723	12	Shopkeeper	200,000	100,000
198	2002/9/26	33	36.110	73	4.564	7	Housewife	250,000	80,000
199	2002/9/14	33	36.038	73	4.090	19	Shopkeeper	-	150,000
200	2002/9/16	33	36.010	73	4.144	4	Shopkeeper	-	80,000
201	2002/9/13	33	36.039	73	4.199	18	PTCL Servant	1,500,000	150,000
202	2002/9/26	33	35.996	73	4.603	14	Shopkeeper	800,000	100,000
203	2002/9/26	33	35.998	73	4.603	13	Business	700,000	150,000
204	2002/9/29	33	35.910	73	4.021	8	Shopkeeper	-	90,000
205	2002/9/14	33	35.948	73	4.200	12	Shopkeeper	-	200,000
206	2002/9/16	33	35.927	73	4.283	3	Motor Cycle Mechanic	-	80,000
207	2002/9/28	33	35.883	73	4.402	5	Business	-	250,000
208	2002/9/28	33	35.880	73	4.501	14	Shop Owner	1,000,000	300,000
209	2002/9/28	33	35.923	73	4.590	11	Shopkeeper	780,000	250,000
210	2002/9/29	33	35.802	73	4.234	3	Labourer	-	185,000
211	2002/9/29	33	35.791	73	4.343	5	Business	-	225,000
212	2002/9/29	33	35.825	73	4.452	12	Teacher	900,000	300,000
213	2002/9/29	33	35.832	73	4.621	16	Business	1,000,000	400,000
214	2002/9/29	33	35.764	73	4.285	18	Shopkeeper	1,000,000	325,000
215	2002/9/29	33	35.783	73	4.554	10	Shopkeeper	-	250,000
216	2002/9/30	33	35.691	73	4.163	6	Business	-	27,000
217	2002/9/30	33	35.692	73	4.224	10	Shopkeeper	800,000	400,000
218	2002/9/30	33	35.692	73	4.305	4	Business	-	270,000
219	2002/9/30	33	35.623	73	4.143	8	Business	1,200,000	500,000
220	2002/9/30	33	35.621	73	4.252	18	Shopkeeper	900,000	450,000
221	2002/9/30	33	35.663	73	4.482	5	Business	-	425,000
222	2002/9/29	33	35.705	73	4.482	3	Business	-	150,000
223	2002/9/29	33	35.700	73	4.591	18	Shop keeper	1,200,000	410,000
224	2002/1/10	33	35.503	73	4.855	13	Business	1,400,000	500,000
225	2002/10/2	33	35.445	73	4.861	7	Business	-	450,000
226	2002/2/10	33	35.372	73	4.803	0	Shopkeeper	950,000	350,000
227	2002/2/10	33	35.383	73	5.000	3	Teacher	-	300,000
228	2002/2/10	33	35.385	73	5.125	15	Shopkeeper	1,200,000	450,000

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
172	2001/7/23	3.81	13.0	D		7/23/01 9:00	7/23/01 16:00
173	2001/7/23	5.49	8.0	F		7/23/01 14:00	7/23/01 16:00
174	2001/7/23	3.20	17.5	F		7/23/01 12:01	7/23/01 18:00
175	2001/7/23	4.19	18.0	F		7/23/01 12:01	7/23/01 18:00
176	2001/7/23	3.05	13.0	F		7/23/01 10:30	7/23/01 12:30
177	2001/7/23	2.74	11.5	F		7/23/01 10:30	7/23/01 12:30
178	2001/7/23	3.96	20.0	F		7/23/01 10:30	7/23/01 12:30
179	2001/7/23	3.35	10.0	B		7/23/01 11:00	7/23/01 16:00
180	2001/7/23	6.10	14.0	B		7/23/01 10:30	7/23/01 17:00
181	2001/7/23	0.61	14.0	B	Lai Nullah	7/23/01 10:30	7/23/01 17:00
182	2001/7/23	4.27	12.0	B		7/23/01 10:45	7/23/01 17:00
183	2001/7/23	3.05	9.0	B		7/23/01 11:00	7/23/01 18:00
184	2001/7/23	0.00	0.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
185	2001/7/23	3.05	10.0	B		7/23/01 11:00	7/23/01 16:00
186	2001/7/23	3.66	10.0	B		7/23/01 11:00	7/23/01 16:00
187	2001/7/23	3.96	10.0	A	Lai Nullah	7/23/01 11:00	7/23/01 16:00
188	2001/7/23	4.27	11.0	B		7/23/01 11:00	7/23/01 16:00
189	2001/7/23	3.66	8.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:30
190	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
191	2001/7/23	2.74	7.0	A	Lai Nullah	7/23/01 10:55	7/23/01 17:00
192	2001/7/23	0.00	0.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
193	2001/7/23	0.91	3.0	B	Lai Nullah	7/23/01 11:30	7/23/01 17:00
194	2001/7/23	0.91	3.0	B		7/23/01 11:00	7/23/01 17:00
195	2001/7/23	4.27	8.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:15
196	2001/7/23	3.35	8.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:30
197	2001/7/23	1.83	8.0	B	Lai Nullah	7/23/01 10:45	7/23/01 17:30
198	2001/7/23	2.13	6.0	B	Lai nullah	7/23/01 10:45	7/23/01 17:00
199	2001/7/23	4.27	8.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:30
200	2001/7/23	3.96	9.0	A	Lai Nullah	7/23/01 11:00	7/23/01 18:00
201	2001/7/23	3.66	8.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
202	2001/7/23	1.52	6.0	B	Lai Nullah	7/23/01 11:00	7/23/01 17:00
203	2001/7/23	1.52	5.0	B	Lai Nullah	7/23/01 10:45	7/23/01 17:00
204	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
205	2001/7/23	3.96	8.0	A	Lai Nullah	7/23/01 10:30	7/23/01 17:00
206	2001/7/23	2.74	6.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:00
207	2001/7/23	1.22	3.0	B		7/23/01 11:00	7/23/01 17:00
208	2001/7/23	1.22	3.0	B	Lai Nullah	7/23/01 11:00	7/23/01 17:00
209	2001/7/23	1.22	3.0	B	Lai Nullah	7/23/01 11:00	7/23/01 17:00
210	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
211	2001/7/23	2.44	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
212	2001/7/23	3.05	6.0	B		7/23/01 11:00	7/23/01 17:00
213	2001/7/23	2.13	4.0	B		7/23/01 11:30	7/23/01 17:30
214	2001/7/23	2.74	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
215	2001/7/23	2.44	5.0	B		7/23/01 11:00	7/23/01 17:00
216	2001/7/23	2.13	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
217	2001/7/23	1.52	4.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
218	2001/7/23	1.52	4.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
219	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:30
220	2001/7/23	3.35	7.0	A	Lai Nullah	7/23/01 11:10	7/23/01 17:15
221	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 11:30	7/23/01 17:00
222	2001/7/23	2.44	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
223	2001/7/23	1.83	4.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
224	2001/7/23	0.00	0.0			7/23/01 10:45	7/23/01 17:30
225	2001/7/23	0.00	0.0			7/23/01 10:45	7/23/01 16:30
226	2001/7/23	0.00	0.0			7/23/01 10:50	7/23/01 16:00
227	2001/7/23	0.00	0.0			7/23/01 10:40	7/23/01 16:30
228	2001/7/23	0.00	0.0			7/23/01 10:45	7/23/01 16:45

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
172	7/23/01 13:00	7/23/01 14:00	7/23/01 13:00	7/23/01 14:00	7/23/01 13:30	3.81
173	7/23/01 14:16	7/23/01 16:00	7/23/01 16:00	7/23/01 12:01	7/23/01 18:00	4.57
174	7/23/01 12:01	7/23/01 16:00	7/23/01 12:30	7/23/01 18:00	7/23/01 13:00	2.59
175	7/23/01 12:01	7/23/01 16:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:00	2.67
176	7/23/01 10:30	7/23/01 12:30	7/23/01 11:00	7/23/01 13:00	7/23/01 12:01	3.05
177	7/23/01 10:30	7/23/01 12:30	7/23/01 14:30	7/23/01 14:00	7/23/01 15:00	2.41
178	7/23/01 10:30	7/23/01 12:30	7/23/01 14:30	7/23/01 20:00	7/23/01 15:00	3.05
179	7/23/01 12:01	7/23/01 15:00	7/23/01 11:45	7/23/01 21:45	7/23/01 13:00	3.05
180	7/23/01 12:15	7/23/01 15:15	7/23/01 11:30	7/23/01 13:30	7/23/01 12:30	5.49
181	7/23/01 12:01	7/23/01 15:00	7/23/01 11:30	7/24/01 13:30	7/23/01 12:30	5.18
182	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/24/01 13:00	7/23/01 12:30	3.96
183	7/23/01 12:01	7/23/01 15:00	7/23/01 12:15	7/23/01 21:15	7/23/01 12:45	0.00
184	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 14:00	0.00
185	7/23/01 12:01	7/23/01 15:00	7/23/01 11:45	7/23/01 21:45	7/23/01 13:00	2.74
186	7/23/01 12:01	7/23/01 15:00	7/23/01 11:50	7/23/01 21:50	7/23/01 13:00	3.05
187	7/23/01 12:01	7/23/01 15:00	7/23/01 11:30	7/23/01 21:30	7/23/01 12:55	3.35
188	7/23/01 12:01	7/23/01 15:00	7/23/01 11:45	7/23/01 22:45	7/23/01 13:00	3.96
189	7/23/01 12:01	7/23/01 15:00	7/23/01 13:50	7/23/01 21:50	7/23/01 14:25	3.35
190	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 23:30	7/23/01 14:00	2.74
191	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 20:15	7/23/01 14:30	2.13
192	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 19:45	7/23/01 14:00	0.00
193	7/23/01 12:01	7/23/01 15:00	7/23/01 13:50	7/23/01 16:50	7/23/01 14:00	0.61
194	7/23/01 12:01	7/23/01 15:00	7/23/01 13:55	7/23/01 16:55	7/23/01 14:05	0.91
195	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 22:00	7/23/01 14:30	3.96
196	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 23:00	7/23/01 14:00	3.05
197	7/23/01 12:01	7/23/01 15:00	7/23/01 13:50	7/23/01 21:45	7/23/01 14:15	1.52
198	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 19:30	7/23/01 14:30	1.52
199	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 22:00	7/23/01 14:00	3.96
200	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 23:30	7/23/01 14:00	3.35
201	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 23:00	7/23/01 14:00	3.05
202	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 19:45	7/23/01 14:00	1.22
203	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 19:30	7/23/01 14:30	1.22
204	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 19:00	7/23/01 13:45	2.74
205	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 23:00	7/23/01 14:00	3.66
206	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:45	2.44
207	7/23/01 12:01	7/23/01 15:00	7/23/01 14:30	7/23/01 17:30	7/23/01 15:00	0.91
208	7/23/01 12:01	7/23/01 15:00	7/23/01 14:15	7/23/01 17:15	7/23/01 14:45	0.61
209	7/23/01 12:01	7/23/01 15:00	7/23/01 14:15	7/23/01 17:15	7/23/01 14:45	0.91
210	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:45	2.74
211	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:45	2.13
212	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:30	7/23/01 13:45	2.74
213	7/23/01 12:01	7/23/01 15:00	7/23/01 13:35	7/23/01 17:35	7/23/01 13:50	1.52
214	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:45	2.44
215	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:45	1.83
216	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 20:00	7/23/01 14:15	1.83
217	7/23/01 12:01	7/23/01 15:00	7/23/01 14:15	7/23/01 18:15	7/23/01 14:25	1.22
218	7/23/01 12:01	7/23/01 15:00	7/23/01 14:30	7/23/01 18:30	7/23/01 14:35	1.22
219	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 19:45	7/23/01 14:00	2.74
220	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 20:30	7/23/01 13:45	3.05
221	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 19:45	7/23/01 14:00	2.44
222	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:45	2.13
223	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 17:15	7/23/01 14:00	1.52
224	7/23/01 12:01	7/23/01 15:00				0.00
225	7/23/01 12:01	7/23/01 15:00				0.00
226	7/23/01 12:01	7/23/01 15:00				0.00
227	7/23/01 12:01	7/23/01 15:00				0.00
228	7/23/01 12:01	7/23/01 15:00				0.00

Results of Qestionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
172	3	25,000	Beddings, Cots, Furniture, Clothes etc.	25,000	7/23/01 13:00	7/23/01 20:00
173	0	-	Grocery stores (12 thousand) household goods (13 thousand)	25,000	7/23/01 16:00	7/23/01 12:01
174	2	40,000	Books, Household goods.	-	7/23/01 12:30	7/23/01 20:00
175	8	20,000	Furniture, Refrigerator, beddings & other household goods.	50,000	7/23/01 0:01	7/23/01 20:00
176	0	-	Various items of Medical & General stores, household items, furniture etc.	300,000		
177	4	20,000	Furniture, electronic goods, beddings, Dowery etc.	150,000		
178	0	-	Refrigerator, fans, beddings, clothes etc.	10,000	7/23/01 14:30	7/24/01 22:00
179	0	-	Electrical goods, Furniture, Gold.	450,000	7/23/01 0:15	7/23/01 23:00
180	0	-	Dresses, Electrical goods, Furniture.	175,000	7/23/01 11:45	7/23/01 22:00
181	0	-	Dresses, Electrical goods.	90,000	7/23/01 11:45	7/23/01 14:00
182	3	30,000	Electrical goods, furniture etc.	200,000		
183	0	10,000	Furniture, TV, Electrical goods.	150,000	7/23/01 0:30	7/23/01 23:00
184	0	-	Almirah, Doors, furniture etc	70,000	7/23/01 13:30	7/23/01 20:00
185	0	10,000	Furniture, Electrical goods etc.	175,000		
186	0	5,000	Furniture, Electrical goods.	85,000	7/23/01 0:30	7/23/01 22:00
187	0	20,000	Furniture, Electrical goods.	195,000		
188	0	15,000	Furniture, Electrical goods.	110,000		
189	3	50,000	Furniture, TV, Fridge, Bed.	100,000		
190	3	30,000	Furniture, Electrical goods etc	180,000	7/23/01 13:30	7/23/01 22:00
191	3	15,000	Electrical goods, Furniture.	400,000	7/23/01 13:45	7/23/01 23:00
192	3	10,000	Clothes, Electrical goods.	50,000		
193	0	-				
194	0	-	Furniture.	10,000		
195	0	-	General store items.	100,000	7/23/01 14:00	7/23/01 22:30
196	0	-	TV, VCR, Furniture.	40,000	7/23/01 13:30	7/23/01 23:00
197	3	5,000	Furniture, Clothes, Electrical goods.	90,000		
198	6	15,000	Clothes, Furniture, Electrical goods.	70,000		
199	0	-	General items.	140,000	7/23/01 13:45	7/23/01 22:00
200	0	15,000	Tools, furniture.	40,000	7/23/01 13:25	7/23/01 23:00
201	7	100,000	Motor cycle, gold, clothes.	120,000	7/23/01 0:50	7/23/01 23:00
202	3	20,000	Clothes, Electrical goods.	70,000		
203	10	70,000	Furniture, clothes, electrical goods.	80,000		
204	0	5,000	Tents, Furniture.	90,000	7/23/01 13:20	7/23/01 21:00
205	0	-	TV, VCR, Car.	190,000	7/23/01 14:00	7/23/01 23:00
206	0	-	Electrical goods, Motor Cycle.	70,000	7/23/01 13:30	7/23/01 20:00
207	0	12,000	Furniture, Electrical goods etc.	80,000		
208	2	15,000	Furniture, Electrical goods.	100,000		
209	3	20,000	Furniture, Electrical goods etc.	115,000		
210	0	8,000	Furniture, Electrical goods etc.	150,000		
211	0	14,000	Furniture, Electrical goods etc.	150,000		
212	2	22,000	Electrical goods, Furniture etc.	200,000		
213	1	12,000	Electrical goods, Furniture etc.	200,000		
214	3	30,000	Furniture, Electrical goods.	250,000		
215	0	10,000	Furniture, Electrical goods.	200,000		
216	0	18,000	Furniture, Electrical goods.	15,000		
217	1	8,000	Furniture, Electrical goods etc.	100,000		
218	0	20,000	Furniture, Electrical goods etc.	80,000		
219	3	40,000	Furniture, Electrical goods.	300,000		
220	3	30,000	Furniture, TV, Electrical goods.	200,000		
221	0	50,000	Furniture, Electrical goods.	310,000		
222	0	25,000	Furniture, TV, VCR, etc.	110,000		
223	3	40,000	Furniture, gold, electrical goods.	200,000		
224	0	-				
225	0	-				
226	0	-				
227	0	-				
228	0	-				

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
172	top of roof 2nd storey	None	
173	On top of 3rd storey.		
174	Shifted to 2nd storey.		
175	Nearby safe places.		
176	2nd storey top of roof.	None	
177			Could not evacuate due to sudden flood.
178	Top of roof on 2nd storey.	None	
179	Roof.	No one	Sudden flood.
180	On top of three storey building.	Himself.	
181	On top floor of the house.	Himself.	Not possible to evacuate due to shortage of time.
182	Roof	No one	
183			Sudden flood.
184			Sudden flood
185			Impossible to evacuate due to shortage of time
186			Sudden flood.
187			Sudden flood
188			Sudden flood.
189	Top floor of the roof.	Himself.	Not possible to evacuate due to shortage of time
190	Roof of the neighbour's house.		
191			Impossible to evacuate due to short time.
192			Sudden flood.
193			Sudden flood.
194			Sudden flood.
195	On top of the second floor.	Himself	Evacuated.
196	On top of the house.	Himself.	Not possible to evacuate due to shortage of time.
197			Sudden flood.
198			Impossible to evacuate due to shortage of time
199	On the roof of the mosque.	Himself	Evacuated
200	Went home.	Himself	Evacuated
201	On top of the house.	Himself	Not possible to evacuate due to shortage of time.
202			Sudden flood.
203			Impossible to evacuate due to short time.
204			Sudden flood.
205	On top of the shop.	Himself.	Not possible to evacuate due to shortage of time.
206	On top of the shop.	Himself	Not possible to evacuate due to shortage of time.
207			Impossible to evacuate due to short time.
208			Impossible to evacuate due to short time.
209			Sudden flood.
210			Impossible to evacuate due to short time.
211			Sudden flood.
212			Impossible to evacuate due to short time.
213			Sudden flood.
214			Impossible to evacuate due to shortage of time
215			Sudden flood.
216			Impossible to evacuate due to short time.
217			Sudden flood.
218			Impossible to evacuate due to short time.
219			Impossible to evacuate due to short time.
220			Sudden flood.
221			Impossible to evacuate due to short time.
222			Sudden flood.
223			Impossible to evacuate due to short time.
224			
225			
226			
227			
228			

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
172	TRUE	TRUE	FALSE	FALSE	TRUE	
173	TRUE	FALSE	TRUE	FALSE	TRUE	
174	TRUE	TRUE	FALSE	TRUE	TRUE	Alignment of existing Lai, should be changed korang, Goira Nullah.
175	TRUE	TRUE	FALSE	FALSE	TRUE	
176	TRUE	TRUE	FALSE	FALSE	TRUE	
177	TRUE	TRUE	TRUE	FALSE	TRUE	
178	TRUE	TRUE	TRUE	FALSE	TRUE	
179	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening and Widening of channel.
180	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
181	TRUE	FALSE	TRUE	TRUE	TRUE	
182	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of Channel.
183	FALSE	FALSE	FALSE	FALSE	TRUE	Protection wall on both banks to protect, Garbage dumping
184	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks to protect, Garbage dumping
185	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel
186	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of Channel.
187	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks
188	FALSE	TRUE	FALSE	FALSE	TRUE	
189	FALSE	FALSE	TRUE	FALSE	TRUE	
190	FALSE	FALSE	FALSE	FALSE	FALSE	It should be diverted directly from Marghalla Hills to river Sawan.
191	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
192	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks to protect, Garbage dumping
193	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah Side and Bottom.
194	FALSE	FALSE	FALSE	TRUE	TRUE	Deepening and Widening of channel.
195	TRUE	FALSE	FALSE	TRUE	TRUE	
196	TRUE	FALSE	FALSE	TRUE	TRUE	
197	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of Channel.
198	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks
199	TRUE	FALSE	FALSE	TRUE	TRUE	
200	TRUE	FALSE	FALSE	TRUE	TRUE	
201	TRUE	FALSE	FALSE	FALSE	TRUE	
202	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
203	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
204	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
205	TRUE	FALSE	FALSE	FALSE	TRUE	
206	TRUE	FALSE	FALSE	FALSE	TRUE	Deepening of Nullah Lai.
207	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
208	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks to protect, Garbage dumping
209	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
210	FALSE	FALSE	FALSE	FALSE	TRUE	
211	FALSE	FALSE	FALSE	FALSE	TRUE	
212	FALSE	FALSE	FALSE	FALSE	TRUE	
213	FALSE	FALSE	FALSE	FALSE	TRUE	
214	FALSE	FALSE	FALSE	FALSE	TRUE	
215	FALSE	FALSE	FALSE	FALSE	TRUE	
216	FALSE	FALSE	FALSE	FALSE	TRUE	
217	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening and Widening of channel.
218	FALSE	FALSE	FALSE	FALSE	TRUE	Linning of Lai Nullah side and bottom.
219	FALSE	FALSE	FALSE	FALSE	TRUE	Metallic road on both banks.
220	FALSE	FALSE	TRUE	FALSE	TRUE	Linning of Lai Nullah side and bottom.
221	FALSE	FALSE	FALSE	FALSE	TRUE	Metallic road on both banks.
222	FALSE	FALSE	FALSE	FALSE	TRUE	
223	FALSE	FALSE	FALSE	FALSE	TRUE	
224	FALSE	FALSE	FALSE	FALSE	FALSE	
225	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
226	FALSE	FALSE	FALSE	FALSE	FALSE	
227	TRUE	TRUE	TRUE	TRUE	TRUE	
228	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
229	2002/9/19	33	35.813	73	4.054	12	Business	750,000	300,000
230	2002/9/19	33	35.773	73	4.153	4	N/A	-	210,000
231	2002/9/19	33	35.742	73	4.112	17	Business	900,000	325,000
232	2002/9/19	33	35.723	73	4.013	6	Shopkeeper	-	125,000
233	2002/9/19	33	35.662	73	4.095	15	Business	1,200,000	350,000
234	2002/2/10	33	35.583	73	4.095	3	Shopkeeper	-	200,000
235	2002/2/10	33	35.492	73	4.051	8	Shopkeeper	-	150,000
236	2002/3/10	33	35.532	73	4.165	5	Business	-	30,000
237	2002/3/10	33	35.573	73	4.315	3	Teacher	-	190,000
238	2002/6/10	33	35.541	73	4.403	15	Shopkeeper	800,000	150,000
239	2002/6/10	33	35.604	73	4.472	3	Business	-	225,000
240	2002/6/10	33	35.521	73	4.515	16	Business	95,000	300,000
241	2002/6/10	33	35.462	73	4.343	11	Shopkeeper	700,000	225,000
242	2002/9/29	33	35.413	73	4.530	19	Shopkeeper	-	30,000
243	2002/9/29	33	35.363	73	4.544	15	Tailor	-	25,000
244	2002/9/26	33	35.972	73	4.684	20	Shopkeeper	1,000,000	200,000
245	2002/5/10	33	38.496	73	3.630	25	Business	1,500,000	350,000
246	2002/5/10	33	38.552	73	3.426	10	Business	1,500,000	500,000
247	2002/5/10	33	38.560	73	3.351	25	Business	1,500,000	300,000
248	2002/5/10	33	38.482	73	3.311	8	Office Accountant	1,000,000	35,000
249	2002/5/10	33	38.184	73	3.451	5	Bank Employee	1,000,000	300,000
250	2002/5/10	33	38.466	73	3.511	30	Hospital.	50,000,000	30,000,000
251	2002/5/10	33	38.409	73	3.490	30	Gov't Hospital	50,000,000	30,000,000
252	2002/5/10	33	38.476	73	3.454	30	Gov't Hospital	50,000,000	30,000,000
253	2002/5/10	33	38.245	73	3.663	15	Business	800,000	350,000
254	2002/5/10	33	38.142	73	3.523	12	Tent Service	250,000	300,000
255	2002/6/10	33	38.042	73	3.554	3	Shop Owner	250,000	200,000
256	2002/6/10	33	37.893	73	3.490	9	Housewife.	500,000	200,000
257	2002/5/10	33	38.006	73	3.148	17	Labour Salt Supplier	400,000	150,000
258	2002/9/10	33	38.074	73	3.107	20	Retd. Gov't Service	3,500,000	-
259	2002/9/10	33	37.986	73	3.733	10	Vegetable seller.	25,000	15,000
260	2002/9/10	33	38.058	73	3.613	10	Shop Owner	300,000	150,000
261	2002/9/10	33	38.008	73	3.427	25	Shop Owner	-	-
262	2002/9/10	33	37.953	73	3.357	25	Shop Owner	1,500,000	500,000
263	2002/9/10	33	37.998	73	3.342	2	Shop Owner	-	10,000
264	2002/9/10	33	39.751	73	3.298	18	Shop Owner	50,000	20,000
265	2002/9/10	33	39.686	73	3.326	19	Flour Mill	10,000,000	500,000
266	2002/9/10	33	39.680	73	3.395	25	Industry (G - I - Pipe)	10,000,000	10,000,000
267	2002/10/10	33	39.765	73	4.231	5	Gov't Service	1,500,000	300,000
268	2002/10/10	33	39.730	73	4.363	7	Enquiry Clerk	5,000,000	500,000
269	2002/11/10	33	39.939	73	4.218	15	Service	1,500,000	500,000
270	2002/11/10	33	39.860	73	4.347	10	Service	2,000,000	800,000
271	2002/11/10	33	39.793	73	4.361	12	Service	800,000	250,000
272	2002/12/10	33	38.889	73	2.639	9	Gov't Service	500,000	250,000
273	2002/12/10	33	39.047	73	2.609	18	Service	10,000,000	2,000,000
274	2002/12/10	33	39.092	73	2.427	15	Manager Construction Company	3,000,000	500,000
275	2002/12/10	33	39.087	73	2.281	15	Owner Ice Factory.	850,000	1,000,000
276	2002/12/10	33	39.302	73	2.237		Employee of the factory / Press	15,000,000	5,000,000
277	2002/12/10	33	38.980	73	2.663	15	Business	1,600,000	300,000
278	2002/12/10	33	38.848	73	2.689	15	Retd. Chief Agri Price Commission	1,500,000	500,000
279	2002/12/10	33	38.699	73	2.674	2	Business.	1,500,000	300,000
280	2002/11/10	33	39.670	73	4.404	6	Engr. Consultant FWO	3,000,000	1,000,000
281	2002/11/10	33	39.507	73	4.382	20	Employee	1,800,000	150,000
282	2002/12/10	33	39.297	73	4.207	2	Shop Owner	1,000,000	500,000
283	2002/12/10	33	39.259	73	4.137	7	Work shop owner	2,500,000	1,800,000
284	2002/12/10	33	39.176	73	4.028	10	Retd GTS Employee	1,800,000	450,000
285	2002/12/10	33	39.141	73	3.989	15	Shop Owner	1,200,000	400,000

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
229	2001/7/23	3.35	7.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:00
230	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:00
231	2001/7/23	3.05	5.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:15
232	2001/7/23	2.74	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
233	2001/7/23	3.66	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
234	2001/7/23	2.74	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
235	2001/7/23	1.83	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
236	2001/7/23	3.05	5.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
237	2001/7/23	3.05	6.0	A	Lai Nullah	7/23/01 10:50	7/23/01 17:15
238	2001/7/23	0.91	4.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
239	2001/7/23	0.91	3.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
240	2001/7/23	1.22	3.0	A	Lai Nullah	7/23/01 10:45	7/23/01 16:45
241	2001/7/23	0.00	0.0				
242	2001/7/23	0.00	0.0			7/23/01 10:30	7/23/01 16:30
243	2001/7/23	0.00	0.0			7/23/01 10:45	7/23/01 15:15
244	2001/7/23	1.83	5.0	B		7/23/01 11:00	7/23/01 17:30
245	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
246	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
247	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
248	2001/7/23	0.91	18.0	F		7/23/01 10:00	7/23/01 18:00
249	2001/7/23	0.00	0.0	D		7/23/01 9:30	7/23/01 18:00
250	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
251	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
252	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
253	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
254	2001/7/23	0.76	8.5	D		7/23/01 10:00	7/23/01 17:30
255	2001/7/23	0.61	7.0	D		7/23/01 7:00	7/23/01 13:00
256	2001/7/23	2.21	6.5	D		7/23/01 7:00	7/23/01 17:00
257	2001/7/23	2.13	9.0	D		7/23/01 11:00	7/23/01 15:00
258	2001/7/23	3.05	7.0	D		7/23/01 10:00	7/23/01 17:00
259	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
260	2001/7/23	0.46	5.0	D		7/23/01 10:30	7/23/01 14:00
261	2001/7/23	4.27	7.0	D		7/23/01 9:15	7/23/01 16:00
262	2001/7/23	3.35	7.0	A		7/23/01 10:00	7/23/01 17:00
263	2001/7/23	2.13	0.0			7/23/01 9:00	7/23/01 16:00
264	2001/7/23	0.15	0.0	D		7/23/01 11:00	7/23/01 16:00
265	2001/7/23	1.52	48.0	B		7/23/01 8:00	7/23/01 16:00
266	2001/7/23	0.76	7.3	D		7/23/01 5:00	7/23/01 16:00
267	2001/7/23	0.00	0.0			7/23/01 4:00	7/23/01 18:00
268	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 13:00
269	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 15:00
270	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 16:00
271	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 15:00
272	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 18:00
273	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 18:00
274	2001/7/23	0.46	5.5	D		7/23/01 7:00	7/23/01 14:00
275	2001/7/23	0.00	0.0			7/23/01 7:00	7/23/01 14:00
276	2001/7/23	1.83	0.0	D		7/23/01 7:00	7/23/01 14:00
277	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 16:00
278	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 16:00
279	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 15:00
280	2001/7/23	0.30	10.0	A		7/23/01 9:00	7/23/01 11:00
281	2001/7/23	0.91	12.0	D		7/23/01 5:00	7/23/01 13:30
282	2001/7/23	0.76	0.0			7/23/01 6:30	7/23/01 15:00
283	2001/7/23	0.91	0.0			7/23/01 7:00	7/23/01 16:00
284	2001/7/23	4.57	4.0	F		7/23/01 6:30	7/23/01 15:00
285	2001/7/23	2.44	7.0	D		7/23/01 6:00	7/23/01 15:00

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
229	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 19:00	7/23/01 13:30	3.05
230	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 19:00	7/23/01 13:30	2.74
231	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:30	2.44
232	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:30	2.44
233	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:30	3.05
234	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:30	2.13
235	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:30	1.52
236	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 18:45	7/23/01 14:00	2.44
237	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:30	2.44
238	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 17:45	7/23/01 14:15	0.61
239	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 16:45	7/23/01 14:00	0.61
240	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 17:00	7/23/01 14:15	0.61
241						0.00
242	7/23/01 12:01	7/23/01 15:00				0.00
243	7/23/01 12:01	7/23/01 15:00				0.00
244	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 19:00	7/23/01 14:25	1.22
245	7/23/01 11:00	7/23/01 17:00				0.00
246	7/23/01 11:00	7/23/01 17:00				0.00
247	7/23/01 11:00	7/23/01 17:00				0.00
248	7/23/01 11:00	7/23/01 18:00	7/23/01 12:01	7/23/01 18:00	7/23/01 12:01	0.79
249	7/23/01 14:00	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 14:00	1.52
250	7/23/01 10:30	7/23/01 17:00				0.00
251	7/23/01 10:30	7/23/01 17:00				0.00
252	7/23/01 10:30	7/23/01 17:00				0.00
253	7/23/01 10:30	7/23/01 17:00				0.00
254	7/23/01 10:30	7/23/01 17:30	7/23/01 10:30	7/23/01 19:00	7/23/01 23:00	0.00
255	7/23/01 7:00	7/23/01 13:00	7/23/01 10:00	7/23/01 17:00	7/23/01 23:00	0.30
256	7/23/01 10:00	7/23/01 16:00	7/23/01 0:30	7/23/01 19:00	7/23/01 13:00	1.60
257	7/23/01 11:00	7/23/01 15:00	7/23/01 13:00	7/23/01 22:00	7/23/01 12:00	1.83
258	7/23/01 11:00	7/23/01 15:00	7/23/01 12:01	7/23/01 19:00	7/23/01 16:00	2.44
259	7/23/01 10:00	7/23/01 14:00				0.00
260	7/23/01 11:00	7/23/01 13:00	7/23/01 13:00	7/23/01 18:00	7/23/01 16:00	0.30
261	7/23/01 11:00	7/23/01 13:00	7/23/01 13:00	7/23/01 20:00	7/23/01 14:00	3.05
262	7/23/01 10:00	7/23/01 13:00	7/23/01 13:00	7/23/01 20:00	7/23/01 14:00	3.05
263	7/23/01 11:00	7/23/01 14:00	7/23/01 13:00	7/23/01 20:00	7/23/01 13:30	2.13
264	7/23/01 11:00	7/23/01 16:00	7/23/01 12:30			0.00
265	7/23/01 10:00	7/23/01 15:00	7/23/01 12:01	7/23/01 16:30	7/23/01 16:00	1.22
266	7/23/01 5:00	7/23/01 22:00	7/23/01 9:00	7/23/01 16:15	7/23/01 22:15	0.30
267	7/23/01 5:00	7/23/01 13:00				0.00
268	7/23/01 10:00	7/23/01 13:00				0.00
269	7/23/01 10:00	7/23/01 13:00				0.00
270	7/23/01 10:00	7/23/01 13:00				0.00
271	7/23/01 10:00	7/23/01 13:00				0.00
272	7/23/01 10:00	7/23/01 13:00				0.00
273	7/23/01 10:00	7/23/01 13:00				0.00
274	7/23/01 8:00	7/23/01 23:30	7/23/01 10:30	7/23/01 16:00		0.23
275	7/23/01 8:00	7/23/01 23:00				0.00
276	7/23/01 8:00	7/23/01 23:00	7/23/01 10:30	7/23/01 16:00	7/23/01 23:45	1.83
277	7/23/01 9:30	7/23/01 15:00				0.00
278	7/23/01 9:30	7/23/01 15:00				0.00
279	7/23/01 9:30	7/23/01 14:30				0.00
280	7/23/01 9:00	7/23/01 11:00	7/23/01 10:00	7/23/01 20:00	7/23/01 10:30	0.15
281	7/23/01 7:00	7/23/01 22:00	7/23/01 11:00	7/23/01 23:00	7/23/01 13:00	0.61
282	7/23/01 7:00	7/23/01 21:00				0.00
283	7/23/01 7:00	7/23/01 21:00				0.00
284	7/23/01 7:00	7/23/01 21:00	7/23/01 13:00	7/23/01 17:00	7/23/01 13:45	3.81
285	7/23/01 6:00	7/23/01 15:00	7/23/01 10:00	7/23/01 17:00	7/23/01 11:30	2.13

Results of Qestionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
229	0	15,000	Furniture, Electrical goods.	200,000		
230	0	10,000	Furniture, Electrical goods.	150,000		
231	0	25,000	Furniture, Electrical goods.	150,000		
232	0	-	Furniture, General items etc	100,000		
233	3	40,000	Furniture, Electrical goods.	150,000		
234	0	15,000	Furniture, Carpet etc	100,000		
235	0	12,000	Furniture, Electrical goods.	70,000		
236	0	8,000	Furniture, Electrical goods.	150,000		
237	0	17,000	Furniture, Gold etc.	125,000		
238	0	-				
239	0	-				
240	0	-				
241						
242	0	-				
243	0	-				
244	5	50,000	Furniture, Electrical goods	78,000		
245	0	-				
246	0	-				
247	0	-				
248	0	-	Office furniture.	8,000		
249	0	-	Sofa set, Carpet, Cup boards etc	20,000		
250	0	-				
251	0	-				
252	0	-				
253	0	-				
254	0	-				
255	0	-	Grocery items.	40,000		
256	2	8,000	Beddings, Furniture, Box full of Clothes + Cash 1200.00 etc.	20,000	7/23/01 0:30	7/23/01 20:00
257	6	25,000	Beddings, Furniture, Clothes, food stuff.	60,000	7/23/01 13:00	7/23/01 18:00
258	0	15,000	Furniture, Electronic goods etc.	90,000	7/23/01 0:01	7/23/01 20:00
259	0	-				
260	0	-	Grocery item e.g Rice, Sugar, Flour etc.	15,000		
261	0	-	TV, Household goods + Grocery Store items.	160,000		
262	0	-	Household goods & Grocery items.	60,000		
263	0	-	Various vegetables.	10,000		
264	0	-	No Loss.	-		
265	1	100,000	Flour bags.	500,000		
266	0	-	Electric motors and equipments	50,000		
267	0	-				
268	0	-				
269	0	-				
270	0	-				
271	0	-				
272	0	-				
273	0	-				
274	0	-				
275	0	-				
276	0	-				
277	0	-				
278	0	-				
279	0	-				
280	0	-	Carpets, Sofa set.	70,000		
281	0	-	Refrigerator, Carpets, furniture, bedding, Washing machine etc.	10,000		
282	0	-	No Damage	-		
283	0	-	No. Damage	-		
284	3	50,000	Dowery, Washing machine, furniture, beddings.	45,000		
285	1	15,000	beddings, Iron, TV, Clothes, etc + Grocery items of the shop.	20,000		

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
229			Impossible to evacuate due to short time.
230			Sudden flood.
231			Impossible to evacuate due to shortage of time.
232			Sudden flood.
233			Impossible to evacuate due to short time.
234			Sudden flood
235			Sudden flood.
236			Sudden flood.
237			Sudden flood.
238			Sudden flood.
239			Sudden flood.
240			Sudden flood.
241			
242			No inundation.
243			
244			Sudden flood
245			
246			
247			
248			Sudden flood did not permit.
249			Was not possible.
250			
251			
252			
253			Not required
254			Not required
255			Not required
256	Top of roof		
257	Near by relatives st. 9.	None	
258	Shifted to 2nd storey		
259			
260			Sudden flood.
261	Shifted to 3rd storey.		
262	Shifted to 3rd storey.	None	
263			Sudden flood.
264			Not required
265			Sudden Inundation.
266			No necessity
267			
268			
269			No flood inundation.
270			No Flood.
271			No Inundation.
272			
273			
274			
275			
276			
277			
278			
279			
280			Not required
281			Not required because of multistoreyed building.
282			
283			
284			Not required being double storey house. Moved on top of roof.
285			Went on top of roof. Sudden flood did not permit evacuation.

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
229	TRUE	FALSE	FALSE	FALSE	TRUE	
230	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
231	FALSE	FALSE	FALSE	FALSE	TRUE	Linning of Lai Nullah side and bottom.
232	FALSE	FALSE	FALSE	FALSE	TRUE	Metallic road on both banks.
233	FALSE	FALSE	FALSE	FALSE	TRUE	
234	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel
235	FALSE	FALSE	FALSE	FALSE	TRUE	
236	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening and Widening of channel.
237	FALSE	FALSE	FALSE	FALSE	TRUE	
238	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening and widening of channel.
239	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and channel.
240	FALSE	FALSE	FALSE	FALSE	TRUE	
241	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah Side and channel.
242	TRUE	FALSE	FALSE	TRUE	TRUE	
243	TRUE	FALSE	TRUE	TRUE	TRUE	
244	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel
245	TRUE	TRUE	FALSE	TRUE	TRUE	
246	TRUE	FALSE	TRUE	TRUE	TRUE	
247	TRUE	FALSE	TRUE	FALSE	TRUE	
248	TRUE	FALSE	TRUE	TRUE	TRUE	
249	TRUE	TRUE	FALSE	FALSE	TRUE	Basement floods 3-4 every year
250	TRUE	TRUE	FALSE	TRUE	TRUE	
251	TRUE	TRUE	FALSE	TRUE	TRUE	
252	TRUE	FALSE	TRUE	TRUE	TRUE	
253	TRUE	TRUE	FALSE	TRUE	TRUE	
254	TRUE	FALSE	TRUE	FALSE	TRUE	
255	TRUE	FALSE	TRUE	FALSE	TRUE	
256	TRUE	TRUE	FALSE	TRUE	TRUE	
257	TRUE	FALSE	TRUE	FALSE	TRUE	
258	TRUE	FALSE	TRUE	FALSE	TRUE	
259	TRUE	FALSE	TRUE	TRUE	TRUE	
260	TRUE	FALSE	TRUE	TRUE	TRUE	
261	TRUE	TRUE	FALSE	TRUE	TRUE	
262	TRUE	FALSE	TRUE	FALSE	TRUE	
263	TRUE	FALSE	TRUE	TRUE	TRUE	
264	TRUE	FALSE	TRUE	FALSE	TRUE	
265	TRUE	FALSE	TRUE	TRUE	TRUE	
266	TRUE	FALSE	TRUE	FALSE	TRUE	
267	TRUE	FALSE	TRUE	FALSE	TRUE	
268	TRUE	FALSE	TRUE	FALSE	TRUE	
269	TRUE	TRUE	FALSE	TRUE	TRUE	
270	TRUE	TRUE	FALSE	FALSE	TRUE	
271	FALSE	FALSE	FALSE	FALSE	FALSE	
272	TRUE	FALSE	TRUE	FALSE	TRUE	
273	TRUE	FALSE	TRUE	FALSE	TRUE	
274	TRUE	FALSE	TRUE	FALSE	TRUE	
275	FALSE	FALSE	FALSE	FALSE	FALSE	
276	TRUE	FALSE	TRUE	FALSE	TRUE	
277	TRUE	FALSE	TRUE	FALSE	TRUE	
278	TRUE	FALSE	TRUE	FALSE	TRUE	
279	TRUE	FALSE	TRUE	FALSE	TRUE	
280	TRUE	TRUE	FALSE	FALSE	TRUE	
281	TRUE	TRUE	FALSE	TRUE	TRUE	
282	TRUE	TRUE	TRUE	FALSE	TRUE	
283	FALSE	FALSE	FALSE	FALSE	FALSE	
284	TRUE	FALSE	TRUE	FALSE	TRUE	
285	TRUE	FALSE	TRUE	FALSE	TRUE	

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
286	2002/12/10	33	39.334	73	4.014	15	P.W.D Employee	800,000	200,000
287	2002/12/10	33	39.427	73	4.212	8	NGO (HRSP)	500,000	200,000
288	2002/12/10	33	39.513	73	4.244	10	Shop Owner	500,000	250,000
289	2002/12/10	33	39.659	73	4.269	12	Employee PSO	2,000,000	500,000
290	2002/10/17	33	37.840	73	2.602	5	Shop Owner	1,200,000	-
291	2002/10/19	33	37.591	73	2.504	15	Dealers in Unserviceable material	800,000	-
292	2002/10/19	33	37.743	73	2.493	3	Shoe maker	250,000	200,000
293	2002/10/19	33	37.820	73	2.545	5	Shop Owner	300,000	300,000
294	2002/10/19	33	37.593	73	2.650	15	Shop Owner	150,000	25,000
295	2002/10/17	33	37.985	73	2.595	3	Turner	1,200,000	250,000
296	2002/10/17	33	38.027	73	2.550	15	Shop Owner	250,000	150,000
297	2002/10/17	33	38.055	73	2.522	15	Milkman	800,000	200,000
298	2002/10/17	33	38.170	73	2.409	0	Milkman	500,000	100,000
299	2002/10/18	33	38.123	73	2.519	15	Shop Owner	300,000	200,000
300	2002/10/18	33	38.138	73	2.610	15	Shop Owner	500,000	250,000
301	2002/10/18	33	38.278	73	2.561	8	Shop Owner	200,000	50,000
302	2002/10/18	33	38.315	73	2.384	5	Shop Owner	100,000	25,000
303	2002/10/19	33	37.418	73	2.729	25	(Widow) Labour	800,000	75,000
304	2002/10/19	33	37.640	73	2.757	13	Polish Chemical Dealer	600,000	250,000
305	2002/10/19	33	37.736	73	2.769	15	Shop Owner	150,000	12,000
306	2002/10/19	33	37.530	73	2.746	13	Shop Owner	1,000,000	150,000
307	2002/10/17	33	37.259	73	2.711	15	Nails maker	1,000,000	300,000
308	2002/10/17	33	37.637	73	2.857	14	Retd. Gov't Service.	600,000	-
309	2002/10/17	33	37.862	73	2.741	6	Shop Owner	150,000	40,000
310	2002/10/17	33	38.015	73	2.616	11	Vegetable seller	1,000,000	300,000
311	2002/10/15	33	36.942	73	2.528	8	Shop Owner	250,000	60,000
312	2002/10/15	33	36.955	73	2.605	20	Business	1,500,000	450,000
313	2002/10/15	33	36.874	73	2.679	12	Shop Owner	200,000	250,000
314	2002/10/15	33	37.124	73	2.634	12	Shop Owner	800,000	150,000
315	2002/10/15	33	37.134	73	2.520	22	Labour	1,500,000	300,000
316	2002/10/16	33	37.236	73	2.344	16	Railway employee	1,400,000	400,000
317	2002/10/15	33	37.316	73	2.695	15	Labourer	450,000	120,000
318	2002/10/15	33	37.364	73	2.617	9	Carpenter	350,000	175,000
319	2002/10/14	33	36.688	73	4.317	20	Shop Owner	200,000	60,000
320	2002/10/14	33	36.664	73	4.273	10	Shop Owner	1,500,000	70,000
321	2002/10/14	33	36.608	73	4.298	17	Taxi Driver	1,200,000	200,000
322	2002/10/14	33	36.665	73	4.385	22	Business	3,000,000	1,000,000
323	2002/10/14	33	36.632	73	4.451	25	Employee (Atomic Energy Commission)	1,200,000	300,000
324	2002/10/14	33	36.696	73	4.560	20	Business Video Games.	800,000	150,000
325	2002/10/14	33	36.881	73	4.696	9	Service RMC Pathology dept.	500,000	150,000
326	2002/10/14	33	36.950	73	4.667	25	'Mo-allum' Teacher	900,000	200,000
327	2002/10/14	33	37.019	73	4.638	3	Gov't Service + Shop Owner	1,000,000	300,000
328	2002/10/14	33	37.039	73	4.398	10	Shop Owner	200,000	75,000
329	2002/10/14	33	37.075	73	4.463	30	Service	1,200,000	300,000
330	2002/10/14	33	37.167	73	4.449	25	Bank Service	1,500,000	500,000
331	2002/5/10	33	35.842	73	3.965	9	Business	-	285,000
332	2002/5/10	33	35.781	73	3.903	5	Labourer	-	80,000
333	2002/5/10	33	35.762	73	3.964	4	Business	-	200,000
334	2002/5/10	33	35.661	73	3.893	6	Shopkeeper	-	250,000
335	2002/5/10	33	35.665	73	3.955	15	Business	1,100,000	300,000
336	2002/10/10	33	35.615	73	3.912	19	Clerk	1,200,000	450,000
337	2002/10/10	33	35.543	73	3.935	6	Lawyer	-	330,000
338	2002/11/10	33	36.193	73	3.262	12	Business	750,000	210,000
339	2002/11/10	33	36.325	73	3.412	3	shopkeeper	500,000	400,000
340	2002/11/10	33	36.243	73	3.405	7	Business	-	160,000
341	2002/12/10	33	36.214	73	3.351	10	Student	900,000	205,000
342	2002/12/10	33	36.173	73	3.405	20	Shopkeeper	-	15,000

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
286	2001/7/23	0.00	0.0			7/23/01 2:00	7/23/01 17:00
287	2001/7/23	0.08	0.0			7/23/01 3:00	7/23/01 15:00
288	2001/7/23	0.00	0.0			7/23/01 3:00	7/23/01 15:00
289	2001/7/23	0.00	0.0			7/23/01 3:00	7/23/01 15:00
290	2001/7/23	0.46	1.0	E		7/23/01 8:00	7/23/01 17:00
291	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 15:30
292	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 16:00
293	2001/7/23	0.30	0.0			7/23/01 8:00	7/23/01 16:00
294	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 17:00
295	2001/7/23	4.27	5.5	E		7/23/01 8:15	7/23/01 15:00
296	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 17:00
297	2001/7/23	2.29	9.0	E		7/23/01 9:00	7/23/01 17:00
298	2001/7/23	4.57	10.0	E		7/23/01 9:00	7/23/01 20:00
299	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 15:00
300	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 15:00
301	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 15:00
302	2001/7/23	2.13	3.5	E		7/23/01 11:00	7/23/01 18:00
303	2001/7/23	0.99	1.0	F		7/23/01 9:00	7/23/01 18:00
304	2001/7/23	0.91	6.0	F		7/23/01 9:00	7/23/01 16:00
305	2001/7/23	1.52	6.0	F		7/23/01 9:00	7/23/01 16:00
306	2001/7/23	0.38	0.0			7/23/01 11:00	7/23/01 16:00
307	2001/7/23	4.57	9.0	D		7/23/01 10:30	7/23/01 16:00
308	2001/7/23	2.59	5.0	D		7/23/01 5:00	7/23/01 15:00
309	2001/7/23	2.13	3.5	D		7/23/01 9:00	7/23/01 14:30
310	2001/7/23	4.27	19.0	D		7/23/01 8:00	7/23/01 17:00
311	2001/7/23	0.61	0.5	D		7/23/01 7:30	7/23/01 23:30
312	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 13:00
313	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 15:30
314	2001/7/23	0.38	1.0	D		7/23/01 10:30	7/23/01 15:00
315	2001/7/23	0.00	0.0			7/23/01 10:30	7/23/01 15:00
316	2001/7/23	1.22	5.0	F		7/23/01 16:00	7/23/01 13:30
317	2001/7/23	4.88	7.0	F		7/23/01 10:30	7/23/01 16:30
318	2001/7/23	5.18	8.5	F		7/23/01 11:00	7/23/01 17:00
319	2001/7/23	1.07	14.0	D		7/23/01 2:00	7/23/01 17:00
320	2001/7/23	1.37	10.5	D		7/23/01 2:00	7/23/01 16:00
321	2001/7/23	2.90	7.5	D		7/23/01 2:00	7/23/01 12:01
322	2001/7/23	1.37	19.0	A		7/23/01 2:00	7/23/01 12:01
323	2001/7/23	0.91	19.0	D		7/23/01 2:12	7/23/01 12:01
324	2001/7/23	1.52	12.5	D		7/23/01 11:00	7/23/01 17:00
325	2001/7/23	0.76	3.0	D		7/23/01 11:00	7/23/01 16:00
326	2001/7/23	1.68	16.0	A		7/23/01 13:00	7/23/01 22:00
327	2001/7/23	0.91	8.5	D		7/23/01 2:00	7/23/01 18:00
328	2001/7/23	0.00	0.0			7/23/01 7:00	7/23/01 19:00
329	2001/7/23	0.00	0.0			7/23/01 7:00	7/23/01 19:00
330	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 18:00
331	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:00
332	2001/7/23	1.22	4.0	B		7/23/01 11:15	7/23/01 17:15
333	2001/7/23	0.91	4.0	B		7/23/01 11:30	7/23/01 17:00
334	2001/7/23	0.30	3.0	B		7/23/01 11:30	7/23/01 17:00
335	2001/7/23	1.22	3.0	B		7/23/01 11:30	7/23/01 16:30
336	2001/7/23	1.52	5.0	B		7/23/01 11:30	7/23/01 17:00
337	2001/7/23	1.22	4.0	B		7/23/01 11:30	7/23/01 16:30
338	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:00
339	2001/7/23	3.66	8.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
340	2001/7/23	1.83	6.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
341	2001/7/23	2.13	6.0	A	Lai Nullah	7/23/01 11:00	7/23/01 16:00
342	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 16:00

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
286	7/23/01 9:00	7/23/01 16:00				0.00
287	7/23/01 8:00	7/23/01 22:00				0.00
288	7/23/01 8:00	7/23/01 22:00				0.00
289	7/23/01 8:00	7/23/01 22:00				0.00
290	7/23/01 8:00	7/23/01 16:00	7/23/01 13:00	7/23/01 14:00	7/23/01 13:30	0.08
291	7/23/01 8:00	7/23/01 13:00				0.00
292	7/23/01 10:00	7/23/01 13:00				0.00
293	7/23/01 10:00	7/23/01 13:00				0.00
294	7/23/01 14:00	7/23/01 16:00				0.00
295	7/23/01 8:15	7/23/01 14:30	7/23/01 14:30	7/23/01 20:00	7/23/01 18:30	4.27
296	7/23/01 10:00	7/23/01 16:00				0.00
297	7/23/01 10:00	7/23/01 16:00	7/23/01 10:00	7/23/01 19:00	7/23/01 12:00	1.98
298	7/23/01 9:00	7/23/01 12:30	7/23/01 10:00	7/23/01 20:00	7/23/01 11:30	3.96
299	7/23/01 5:00	7/23/01 13:00				0.00
300	7/23/01 5:00	7/23/01 13:00				0.00
301	7/23/01 12:01	7/23/01 13:00				0.00
302	7/23/01 11:00	7/23/01 18:00	7/23/01 16:50	7/23/01 20:00	7/23/01 17:00	2.13
303	7/23/01 14:00	7/23/01 16:00	7/23/01 14:00	7/23/01 15:00	7/23/01 14:15	0.76
304	7/23/01 9:00	7/23/01 11:30	7/23/01 11:30	7/23/01 17:30	7/23/01 16:00	0.61
305	7/23/01 9:00	7/23/01 11:30	7/23/01 11:30	7/23/01 17:30	7/23/01 16:00	0.61
306	7/23/01 11:00	7/23/01 16:00				0.00
307	7/23/01 10:30	7/23/01 16:00	7/23/01 11:00	7/23/01 20:00	7/23/01 23:20	3.96
308	7/23/01 9:00	7/23/01 12:01	7/23/01 12:30	7/23/01 17:00	7/23/01 14:00	2.44
309	7/23/01 9:00	7/23/01 14:30	7/23/01 12:30	7/23/01 16:00	7/23/01 14:45	2.13
310	7/23/01 9:00	7/23/01 12:01	7/23/01 2:00	7/23/01 21:00	7/23/01 16:00	3.35
311	7/23/01 10:30	7/23/01 23:00	7/23/01 10:45	7/23/01 23:15	7/23/01 23:00	0.30
312	7/23/01 9:00	7/23/01 13:00				0.00
313	7/23/01 10:00	7/23/01 15:00				0.00
314	7/23/01 12:01	7/23/01 14:00	7/23/01 14:00	7/23/01 15:00		0.15
315	7/23/01 12:01	7/23/01 14:00				0.00
316	7/23/01 6:00	7/23/01 13:30	7/23/01 9:00	7/23/01 14:00	7/23/01 21:30	1.07
317	7/23/01 10:30	7/23/01 15:30	7/23/01 11:30	7/23/01 18:30	7/23/01 16:00	3.66
318	7/23/01 11:00	7/23/01 17:00	7/23/01 12:01	7/23/01 20:30	7/23/01 14:00	4.57
319	7/23/01 7:00	7/23/01 13:00	7/23/01 10:00	7/23/01 12:01	7/23/01 18:00	0.91
320	7/23/01 2:00	7/23/01 20:00	7/23/01 11:00	7/23/01 21:30	7/23/01 13:00	0.91
321	7/23/01 11:00	7/23/01 12:01	7/23/01 13:30	7/23/01 21:00	7/23/01 14:00	2.44
322	7/23/01 12:01	7/23/01 13:00	7/23/01 13:30	7/23/01 20:30	7/23/01 19:30	1.22
323	7/23/01 12:01	7/23/01 13:00	7/23/01 13:30	7/23/01 20:30	7/23/01 19:30	0.91
324	7/23/01 12:01	7/23/01 16:00	7/23/01 14:00	7/23/01 14:30	7/23/01 17:00	0.91
325	7/23/01 11:00	7/23/01 16:00	7/23/01 17:50	7/23/01 20:50	7/23/01 18:00	0.00
326	7/23/01 5:00	7/23/01 13:00	7/23/01 2:00	7/23/01 18:00	7/23/01 14:00	1.68
327	7/23/01 11:00	7/23/01 15:00	7/23/01 9:30	7/23/01 18:00	7/23/01 17:00	0.30
328	7/23/01 9:00	7/23/01 23:00				0.00
329	7/23/01 9:00	7/23/01 23:00				0.00
330	7/23/01 9:00	7/23/01 23:00				0.00
331	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:45	1.83
332	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 17:45	7/23/01 14:00	0.91
333	7/23/01 12:15	7/23/01 15:00	7/23/01 13:45	7/23/01 17:45	7/23/01 14:00	0.61
334	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 17:00	7/23/01 14:15	0.00
335	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 16:45	7/23/01 14:00	0.61
336	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 18:30	7/23/01 13:45	1.22
337	7/23/01 12:01	7/23/01 15:00	7/23/01 13:45	7/23/01 16:45	7/23/01 14:00	0.91
338	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 19:00	7/23/01 13:15	1.83
339	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 20:30	7/23/01 13:15	3.05
340	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:30	7/23/01 13:00	1.52
341	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 18:30	7/23/01 13:15	1.83
342	7/23/01 12:01	7/23/01 15:00				0.00

Results of Questionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
286	0	-				
287	0	-				
288	0	-				
289	0	-				
290	0	-				
291	0	-				
292	0	-				
293	0	-				
294	0	-				
295	0	-	Refrigerator, TV, Beds, Beddings & Clothes etc	40,000	7/23/01 15:00	7/23/01 20:00
296	0	-				
297	1	10,000	Chairs, TV, Carpets, Sofa Set etc (Repairs)	15,000		
298	2	10,000	Cash 4000.00, Furniture, Cots, Beddings & Clothes etc	20,000	7/23/01 10:30	7/29/01 20:00
299	0	-				
300	0	-				
301	0	-				
302	0	-				
303	0	3,000	Household items + Equipment of Salma Sitra work.	5,000		
304	3	20,000	Household + Chemical materials.	40,000		
305	0	-	Sugar, Flour, Grains & Oil etc.	3,000		
306	0	-				
307	0	50,000	Furniture, TV, Beddings.	50,000	7/23/01 0:01	7/23/01 23:00
308	0	10,000	Cash 4 thousand, Ornaments, Dowery items, beddings, furniture etc.	100,000		
309	0	-	Refrigerator, Furniture, beddings, clothes etc.	25,000		
310	0	15,000	TV, Refrigerator, Furniture, Beddings, Clothes etc	50,000	7/23/01 15:00	7/30/01 20:00
311	0	-	Carpets	5,000		
312	0	-				
313	0	-				
314	0	-				
315	0	-				
316	0	20,000	Furniture, TV, Washing machine, beddings, clothes etc.	60,000		
317	6	25,000			7/23/01 0:01	7/23/01 22:00
318	4	15,000	Dowery, Furniture, beddings etc.	20,000	7/23/01 0:01	7/23/01 12:01
319	0	-	Grocery items e.g Sugar, flour, Grains etc	20,000		
320	1	10,000	Household goods eg. Beddings, Quilts, Clothes etc.	8,000		
321	2	20,000	Borrowed Car, Refrigerator, Camera, Washing machine, Deck, Furniture etc.	50,000		
322	0	-	Carpets, furniture, beddings etc	30,000		
323	1	10,000	Beddings, Quilts, Furniture etc.	15,000		
324	0	-	Household luggage.	2,000		
325	0	-	Sewerage system settled / damaged.	8,000		
326	7	15,000	Furniture, beddings, Clothes etc.	9,000	7/23/01 4:00	7/25/01 20:00
327	0	-			7/23/01 10:00	7/23/01 20:00
328	0	-				
329	0	-				
330	0	-				
331	0	17,000	Furniture, Electrical goods.	120,000		
332	0	4,000	Furniture, Gold, Electrical goods.	20,000		
333	0	-	Electrical goods, Furniture.	30,000		
334	0	-				
335	0	-	Furniture.	5,000		
336	2	25,000	Furniture, Clothes, Electrical goods.	150,000		
337	0	5,000	Furniture, Electrical goods etc.	100,000		
338	0	35,000	Furniture, Electrical goods.	135,000		
339	3	14,000	Motor cycle, Spair parts.	350,000		
340	0	15,000	Stove, Refrigerator, Utensils etc.	100,000		
341	4	40,000	Furniture, Electrical goods.	130,000		
342	0	-				

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
286			
287			
288			
289			
290			Not required
291			
292			
293			
294			
295	To the safe place in the town.	Nobody.	
296			
297	Roof top	Nobody	
298	To relatives safe places in Rawalpindi.	Nobody	
299			
300			
301			
302			Not required
303			Moved upstairs on the roof.
304	Top of roof.	Nobody.	In view of low depth remained on top of roof safety.
305			Instant flood did not permit
306			
307	To safe place in town.	Nobody	
308			Shifted to upper storey.
309			Instant flood did not permit evacuation.
310	To relatives in the town located safe place.		
311			instant flood
312			
313			
314			
315			
316			Shifted to upper storey.
317	To higher places on boring Rd.	Nobody	
318	Safe places on boring road.	Nobody.	
319			Instant flood did not allow.
320			Not required, could move to upper storey.
321			Moved to roof top. Could not evacuate due to instant flood.
322			Due to instant flood.
323			Because of instant flood.
324			Not required.
325			Not necessitated.
326	On top of roof.	None.	
327	Top of roof 2nd storey.	None.	
328			
329			
330			
331			Impossible to evacuate due to short time.
332			Sudden flood.
333			Sudden flood
334			
335			
336			Impossible to evacuate due to shortage of time.
337			Sudden flood.
338			Sudden flood
339			Impossible to evacuate due to shortage of time.
340			Sudden flood.
341			Sudden flood.
342			

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
286	TRUE	FALSE	TRUE	FALSE	TRUE	
287	TRUE	TRUE	FALSE	FALSE	TRUE	
288	TRUE	FALSE	TRUE	FALSE	TRUE	
289	TRUE	FALSE	TRUE	FALSE	TRUE	
290	TRUE	FALSE	TRUE	TRUE	TRUE	
291	TRUE	FALSE	TRUE	FALSE	TRUE	
292	TRUE	FALSE	TRUE	FALSE	TRUE	
293	TRUE	FALSE	TRUE	FALSE	TRUE	
294	TRUE	FALSE	TRUE	FALSE	TRUE	
295	TRUE	FALSE	TRUE	FALSE	TRUE	
296	TRUE	FALSE	TRUE	TRUE	TRUE	
297	TRUE	FALSE	TRUE	TRUE	TRUE	
298	TRUE	FALSE	TRUE	TRUE	TRUE	
299	FALSE	FALSE	FALSE	FALSE	FALSE	
300	TRUE	TRUE	TRUE	FALSE	TRUE	
301	TRUE	TRUE	FALSE	TRUE	TRUE	
302	TRUE	FALSE	TRUE	TRUE	TRUE	
303	TRUE	FALSE	TRUE	FALSE	TRUE	
304	TRUE	FALSE	TRUE	FALSE	TRUE	
305	TRUE	FALSE	TRUE	FALSE	TRUE	
306	TRUE	FALSE	TRUE	FALSE	TRUE	
307	TRUE	TRUE	TRUE	FALSE	TRUE	
308	TRUE	FALSE	TRUE	FALSE	TRUE	
309	TRUE	FALSE	TRUE	FALSE	TRUE	
310	TRUE	FALSE	TRUE	FALSE	TRUE	
311	TRUE	FALSE	FALSE	FALSE	TRUE	
312	TRUE	FALSE	TRUE	FALSE	TRUE	
313	TRUE	FALSE	TRUE	FALSE	TRUE	
314	TRUE	FALSE	TRUE	FALSE	TRUE	
315	TRUE	FALSE	TRUE	FALSE	TRUE	
316	TRUE	FALSE	TRUE	FALSE	TRUE	
317	TRUE	FALSE	TRUE	FALSE	TRUE	
318	TRUE	FALSE	TRUE	FALSE	TRUE	
319	TRUE	FALSE	TRUE	FALSE	TRUE	
320	TRUE	FALSE	TRUE	FALSE	TRUE	
321	TRUE	TRUE	FALSE	TRUE	TRUE	
322	TRUE	FALSE	TRUE	FALSE	TRUE	
323	TRUE	FALSE	TRUE	FALSE	TRUE	
324	TRUE	TRUE	FALSE	TRUE	TRUE	
325	TRUE	FALSE	TRUE	FALSE	TRUE	
326	TRUE	TRUE	TRUE	FALSE	TRUE	
327	TRUE	FALSE	TRUE	FALSE	TRUE	
328	TRUE	FALSE	TRUE	FALSE	TRUE	
329	TRUE	FALSE	TRUE	FALSE	TRUE	
330	TRUE	TRUE	FALSE	FALSE	TRUE	
331	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening and Widening of channel
332	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
333	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
334	FALSE	TRUE	TRUE	TRUE	TRUE	
335	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of Channel.
336	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
337	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
338	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of Channel
339	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
340	FALSE	FALSE	FALSE	FALSE	TRUE	Protection wall on both banks.
341	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
342	FALSE	FALSE	FALSE	FALSE	TRUE	Deepening and Widening of channel.

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
343	2002/12/10	33	36.135	73	3.365	3	Shopkeeper	-	75,000
344	2002/12/10	33	36.078	73	3.278	5	Shopkeeper	-	80,000
345	2002/12/10	33	36.050	73	3.382	15	Moto cycle machanic	-	-
346	2002/10/13	33	36.014	73	3.325	30	Carpenter	-	10,000
347	2002/10/13	33	35.950	73	3.435	2	Business	-	150,000
348	2002/10/14	33	35.932	73	3.353	3	Business	-	200,000
349	2002/10/14	33	35.922	73	3.294	10	Shopkeeper	-	7,000
350	2002/10/14	33	35.821	73	3.315	55	Shopkeeper	-	300,000
351	2002/10/15	33	35.762	73	3.432	54	Shopkeeper	-	225,000
352	2002/10/15	33	35.675	73	3.403	7	Car dealer	-	200,000
353	2002/10/10	33	35.862	73	3.403	8	Shopkeeper	-	180,000
354	2002/10/16	33	35.821	73	3.441	8	Shopkeeper	-	400,000
355	2002/10/16	33	35.834	73	3.500	3	Shopkeeper	-	250,000
356	2002/10/16	33	35.721	73	3.606	20	Teacher	1,000,000	350,000
357	2002/10/16	33	35.794	73	3.632	15	Shopkeeper	500,000	30,000
358	2002/10/10	33	35.661	73	3.701	7	Teacher	-	350,000
359	2002/10/10	33	35.632	73	3.752	5	Business	-	175,000
360	2002/12/10	33	35.593	73	3.771	14	Business	700,000	300,000
361	2002/3/10	33	35.922	73	3.574	10	Tailor	-	20,000
362	2002/11/10	33	35.873	73	3.632	0	A.C and Refrigerator mechanic	-	18,000
363	2002/1/10	33	35.956	73	3.705	14	Shopkeeper	-	10,000
364	2002/8/10	33	36.331	73	3.575	3	Shopkeeper	-	500,000
365	2002/8/10	33	36.292	73	3.505	4	Shopkeeper	-	180,000
366	2002/8/10	33	36.295	73	3.620	3	Shopkeeper	-	220,000
367	2002/9/10	33	36.221	73	3.501	9	Shopkeeper	-	120,000
368	2002/9/10	33	36.190	73	3.561	15	Business	1,000,000	270,000
369	2002/9/10	33	36.232	73	3.632	7	Labourer	-	80,000
370	2002/9/10	33	36.152	73	3.595	5	Shopkeeper	-	100,000
371	2002/8/10	33	36.131	73	3.530	6	Shopkeeper	-	110,000
372	2002/9/10	33	36.165	73	3.632	10	Business	700,000	100,000
373	2002/12/10	33	36.062	73	3.801	15	Shopkeeper	700,000	100,000
374	2002/12/10	33	36.022	73	3.780	13	Mechanic	-	80,000
375	2002/10/22	33	35.990	73	3.871	8	Car Machanic.	-	310,000
376	2002/10/22	33	35.962	73	3.945	10	Car Mechanic	-	500,000
377	2002/10/22	33	35.845	73	3.850	3	Shopkeeper	-	100,000
378	2002/10/13	33	34.612	73	5.673	7	Business	700,000	300,000
379	2002/10/13	33	34.631	73	5.795	14	Shopkeeper	350,000	100,000
380	2002/10/13	33	34.620	73	5.844	10	Labourer	300,000	80,000
381	2002/10/13	33	34.533	73	5.802	5	Clerk	-	120,000
382	2002/10/13	33	34.503	73	5.810	12	Business	700,000	190,000
383	2002/7/10	33	35.204	73	4.785	0	Military servant	-	-
384	2002/7/10	33	35.091	73	4.753	0	Military servant.	-	-
385	2002/7/10	33	35.064	73	5.112	0	Labourer	-	-
386	2002/7/10	33	34.760	73	5.075	0	Security Guard.	-	-
387	2002/7/10	33	34.663	73	5.128	0	Gardener	-	-
388	2002/2/10	33	36.332	73	3.043	4	Business	-	250,000
389	2002/2/10	33	36.281	73	3.144	13	Teacher	900,000	30,000
390	2002/2/10	33	36.293	73	3.201	9	Shopkeeper	750,000	210,000
391	2002/2/10	33	36.332	73	3.262	15	Shop owner	350,000	175,000
392	2002/6/10	33	36.324	73	3.343	3	Shopkeeper	-	225,000
393	2002/6/10	33	36.273	73	3.351	6	Shopkeeper	-	125,000
394	2002/6/10	33	36.231	73	3.283	19	Shopkeeper	290,000	17,500
395	2002/7/10	33	36.429	73	3.754	23	Shopkeeper	-	60,000
396	2002/10/22	33	36.334	73	3.965	2	Shopkeeper	-	100,000
397	2002/10/21	33	36.273	73	3.870	3	Car Dealer	-	500,000
398	2002/10/21	33	36.331	73	3.961	4	Shopkeeper	-	200,000
399	2002/10/21	33	36.144	73	3.950	3	Shopkeeper	-	200,000

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
343	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 17:00
344	2001/7/23	0.00	0.0			7/23/01 10:50	7/23/01 16:30
345	2001/7/23	0.00	0.0			7/23/01 10:50	7/23/01 17:00
346	2001/7/23	0.61	3.0	C		7/23/01 11:15	7/23/01 16:45
347	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 17:00
348	2001/7/23	0.91	3.0	C		7/23/01 10:45	7/23/01 15:45
349	2001/7/23	0.61	3.0	C		7/23/01 11:30	7/23/01 17:00
350	2001/7/23	0.00	0.0			7/23/01 11:15	7/23/01 17:15
351	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 17:00
352	2001/7/23	0.00	0.0			7/23/01 11:20	7/23/01 16:45
353	2001/7/23	0.00	0.0			7/23/01 10:50	7/23/01 16:30
354	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 17:00
355	2001/7/23	0.00	0.0			7/23/01 11:15	7/23/01 17:15
356	2001/7/23	0.00	0.0			7/23/01 11:15	7/23/01 16:45
357	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 16:40
358	2001/7/23	0.00	0.0			7/23/01 10:45	7/23/01 16:45
359	2001/7/23	0.61	3.0	B		7/23/01 11:15	7/23/01 17:00
360	2001/7/23	0.91	3.0	B		7/23/01 10:50	7/23/01 16:40
361	2001/7/23	1.22	3.0	B		7/23/01 12:01	7/23/01 16:00
362	2001/7/23	1.22	3.0	B		7/23/01 11:30	7/23/01 16:30
363	2001/7/23	0.91	4.0	A	Lai Nullah	7/23/01 10:45	7/23/01 17:30
364	2001/7/23	3.35	8.0	A	Lai Nullah	7/23/01 10:50	7/23/01 17:00
365	2001/7/23	3.35	8.0	A	Lai Nullah	7/23/01 10:55	7/23/01 16:50
366	2001/7/23	3.35	8.0	A	Lai Nullah	7/23/01 11:20	7/23/01 17:00
367	2001/7/23	0.00	0.0			7/23/01 11:30	7/23/01 17:00
368	2001/7/23	0.00	0.0			7/23/01 11:20	7/23/01 16:30
369	2001/7/23	1.52	6.0	A	Lai Nullah	7/23/01 11:20	7/23/01 16:00
370	2001/7/23	0.00	0.0			7/23/01 11:30	7/23/01 16:30
371	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 16:00
372	2001/7/23	0.91	5.0	A	Lai Nullah	7/23/01 11:20	7/23/01 17:00
373	2001/7/23	1.83	5.0	A	Lai Nullah	7/23/01 10:50	7/23/01 17:00
374	2001/7/23	1.83	4.0	A	Lai Nullah	7/23/01 0:01	7/23/01 17:00
375	2001/7/23	3.05	11.0	A	Lai Nullah	7/23/01 11:30	7/23/01 17:00
376	2001/7/23	2.74	11.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:00
377	2001/7/23	0.61	3.0	A	Lai Nullah	7/23/01 11:30	7/23/01 16:30
378	2001/7/23	0.00	0.0			7/23/01 11:00	
379	2001/7/23	0.00	0.0			7/23/01 12:01	7/23/01 16:00
380	2001/7/23	0.00	0.0			7/23/01 11:45	7/23/01 16:00
381	2001/7/23	0.00	0.0			7/23/01 12:01	7/23/01 15:30
382	2001/7/23	0.00	0.0			7/23/01 12:01	7/23/01 15:15
383	2001/7/23	0.00	0.0			7/23/01 12:01	7/23/01 16:00
384	2001/7/23	0.00	0.0			7/23/01 12:01	7/23/01 16:00
385	2001/7/23	0.00	0.0			7/23/01 12:15	7/23/01 15:30
386	2001/7/23	0.00	0.0			7/23/01 11:30	7/23/01 16:00
387	2001/7/23	0.00	0.0			7/23/01 11:30	7/23/01 16:00
388	2001/7/23	3.66	9.0	A	Lai Nullah	7/23/01 10:45	7/23/01 16:45
389	2001/7/23	3.35	9.0	A	Lai Nullah		
390	2001/7/23	3.05	8.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:15
391	2001/7/23	2.44	7.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:30
392	2001/7/23	3.05	8.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:00
393	2001/7/23	2.74	7.0	A	Lai Nullah	7/23/01 11:00	7/23/01 17:00
394	2001/7/23	2.44	6.0	A	Lai Nullah	7/23/01 10:50	7/23/01 17:10
395	2001/7/23	0.00	0.0			7/23/01 11:30	7/23/01 17:00
396	2001/7/23	0.61	5.0	A	Lai	7/23/01 11:15	7/23/01 17:00
397	2001/7/23	1.52	6.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:00
398	2001/7/23	1.22	4.0	A	Lai Nullah	7/23/01 11:30	7/23/01 17:00
399	2001/7/23	0.91	6.0	A	Lai Nullah	7/23/01 11:15	7/23/01 17:00

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
343	7/23/01 12:01	7/23/01 15:00				0.00
344	7/23/01 12:01	7/23/01 15:00				0.00
345	7/23/01 12:01	7/23/01 15:00				0.00
346	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 17:00	7/23/01 14:15	0.30
347	7/23/01 12:01	7/23/01 15:00				0.00
348	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 16:00	7/23/01 13:15	0.00
349	7/23/01 12:15	7/23/01 15:00	7/23/01 14:15	7/23/01 17:15	7/23/01 14:30	0.61
350	7/23/01 12:05	7/23/01 15:00				0.00
351	7/23/01 12:01	7/23/01 15:00				0.00
352	7/23/01 12:10	7/23/01 15:00				0.00
353	7/23/01 12:15	7/23/01 15:15				0.00
354	7/23/01 12:01	7/23/01 15:00				0.00
355	7/23/01 12:01	7/23/01 15:00				0.00
356	7/23/01 12:01	7/23/01 15:00				0.00
357	7/23/01 12:01	7/23/01 15:00				0.00
358	7/23/01 12:01	7/23/01 15:00				0.00
359	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 17:00	7/23/01 14:15	0.00
360	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 17:00	7/23/01 14:30	0.30
361	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 17:30	7/23/01 14:30	0.91
362	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 17:30	7/23/01 14:00	0.91
363	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 17:30	7/23/01 14:45	0.30
364	7/23/01 12:01	7/23/01 15:00	7/23/01 12:01	7/23/01 18:00	7/23/01 13:15	3.05
365	7/23/01 12:01	7/23/01 15:10	7/23/01 12:40	7/23/01 20:40	7/23/01 13:20	2.74
366	7/23/01 12:01	7/23/01 15:00	7/23/01 12:30	7/23/01 20:30	7/23/01 13:15	3.05
367	7/23/01 12:01	7/23/01 15:10				0.00
368	7/23/01 12:01	7/23/01 15:00				0.00
369	7/23/01 12:01	7/23/01 15:00	7/23/01 12:40	7/23/01 18:40	7/23/01 13:00	1.22
370	7/23/01 12:01	7/23/01 15:00				0.00
371	7/23/01 12:01	7/23/01 15:00				0.00
372	7/23/01 12:01	7/23/01 15:00	7/23/01 12:45	7/23/01 17:45	7/23/01 13:00	0.61
373	7/23/01 12:01	7/23/01 15:10	7/23/01 14:00	7/23/01 19:00	7/23/01 14:15	1.52
374	7/23/01 12:01	7/23/01 15:00	7/23/01 15:00	7/23/01 19:00	7/23/01 15:30	1.22
375	7/23/01 12:01	7/23/01 15:00	7/23/01 11:30	7/23/01 22:30	7/23/01 12:01	2.74
376	7/23/01 12:01	7/23/01 15:00	7/23/01 11:30	7/23/01 22:30	7/23/01 12:15	2.44
377	7/23/01 12:01	7/23/01 15:00				0.00
378						0.00
379	7/23/01 12:30	7/23/01 15:00				0.00
380	7/23/01 12:15	7/23/01 15:15				0.00
381	7/23/01 12:30	7/23/01 15:15				0.00
382	7/23/01 12:30	7/23/01 15:00				0.00
383	7/23/01 12:30	7/23/01 15:00				0.00
384	7/23/01 12:30	7/23/01 15:00				0.00
385	7/23/01 12:30	7/23/01 15:00				0.00
386	7/23/01 12:01	7/23/01 15:00				0.00
387	7/23/01 12:01	7/23/01 15:00				0.00
388	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 22:00	7/23/01 13:15	2.44
389						0.00
390	7/23/01 12:01	7/23/01 15:00	7/23/01 13:00	7/23/01 21:00	7/23/01 13:15	2.44
391	7/23/01 12:01	7/23/01 15:00	7/23/01 13:10	7/23/01 20:20	7/23/01 13:25	2.13
392	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 21:15	7/23/01 13:30	2.44
393	7/23/01 12:01	7/23/01 15:00	7/23/01 13:30	7/23/01 20:30	7/23/01 13:35	2.13
394	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 19:15	7/23/01 13:30	2.13
395	7/23/01 12:15	7/23/01 15:00				0.00
396	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 19:00	7/23/01 14:20	0.30
397	7/23/01 12:30	7/23/01 15:00	7/23/01 13:45	7/23/01 19:45	7/23/01 14:00	0.91
398	7/23/01 12:30	7/23/01 15:00	7/23/01 13:30	7/23/01 17:30	7/23/01 14:00	0.61
399	7/23/01 12:01	7/23/01 15:00	7/23/01 14:00	7/23/01 20:00	7/23/01 15:00	0.30

Results of Qestionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
343	0	-				
344	0	-				
345	0	-				
346	0	-	Ply wood sheet.	5,000		
347	0	-				
348	0	-				
349	0	-	Cigeratte, Biscuit.	2,000		
350	0	-				
351	0	-				
352	0	-				
353	0	-				
354	0	-				
355	0	-				
356	0	-				
357	0	-				
358	0	-				
359	0	-				
360	0	-	Furniture.	10,000		
361	0	-	Furniture, Clothes, Sewing machine.	19,000		
362	0	-	Refrigerator, Compressor.	10,000		
363	0	-				
364	0	-	Spair parts.	500,000		
365	0	10,000	General items.	140,000		
366	0	15,000				
367	0	-				
368	0	-				
369	0	7,000	Stove, utensils, Electrical goods etc.	50,000		
370	0	-				
371	0	-				
372	0	-	Furniture etc.	15,000		
373	1	7,000	Tools.	10,000		
374	0	-	Motors spare parts.	20,000	7/23/01 15:15	7/23/01 19:15
375	0	17,000	Spare parts of motors.	150,000	7/23/01 11:45	7/23/01 22:00
376	0	15,000	Spare parts of cars.	200,000	7/23/01 12:01	7/23/01 23:00
377	0	-				
378	0	-				
379	0	-				
380	0	-				
381	0	-				
382	0	-				
383	0	-				
384	0	-				
385	0	-				
386	0	-				
387	0	-				
388	0	11,000	Furniture, Electrical goods.	170,000		
389			Furniture, Electrical goods.	200,000		
390	3	20,000	Furniture, Electrical goods.	150,000		
391	1	5,000	General items.	160,000		
392	0	11,000	Furniture.	200,000		
393	0	3,000	Furniture.	110,000		
394	0	2,000	Furniture.	150,000		
395	0	-				
396	0	-				
397	0	-	Cars.	100,000		
398	0	-	Food, Furniture, Utensils.	25,000		
399	0	-	General Store Items.	10,000	7/23/01 15:00	7/23/01 21:00

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
343			
344			
345			
346			
347			
348			
349			
350			
351			
352			
353			
354			
355			
356			
357			
358			
359			
360			Water was low from the ground level.
361			Sudden flood.
362			Sudden flood.
363			Because the water level was very low from the ground.
364			Sudden flood.
365			Impossible to evacuate due to shortage of time.
366			Sudden flood.
367			
368			
369			Sudden flood.
370			
371			
372			The water level was very low.
373			Sudden flood.
374	Went to the Railway track.		
375	Went home.		
376	went home.	himself	
377			
378			
379			
380			
381			
382			
383			
384			
385			
386			
387			
388			Impossible to evacuate due to shortage of time.
389			Sudden flood.
390			Impossible to evacuate due to shortage of time.
391			Sudden flood.
392			Sudden flood.
393			Sudden flood.
394			Sudden flood.
395			
396			
397			Sudden flood.
398			Sudden flood.
399	went home		

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
343	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
344	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic Road on both banks.
345	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic Road on both banks.
346	TRUE	FALSE	FALSE	TRUE	TRUE	
347	FALSE	FALSE	FALSE	TRUE	TRUE	
348	TRUE	TRUE	TRUE	TRUE	TRUE	
349	FALSE	FALSE	FALSE	TRUE	TRUE	Deepening and widening of channel.
350	TRUE	FALSE	FALSE	TRUE	TRUE	
351	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of Channel
352	FALSE	FALSE	FALSE	FALSE	TRUE	
353	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
354	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks.
355	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks.
356	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
357	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
358	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks.
359	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
360	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
361	TRUE	FALSE	TRUE	FALSE	TRUE	Deepening and Widening of channel.
362	FALSE	FALSE	FALSE	FALSE	TRUE	
363	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
364	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
365	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
366	TRUE	TRUE	TRUE	TRUE	TRUE	
367	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
368	TRUE	TRUE	FALSE	TRUE	TRUE	
369	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
370	FALSE	FALSE	FALSE	FALSE	TRUE	Protection wall on both banks.
371	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks to protect, Garbage dumping.
372	FALSE	FALSE	FALSE	FALSE	FALSE	Protection wall on both banks.
373	FALSE	FALSE	FALSE	TRUE	TRUE	
374	FALSE	TRUE	TRUE	TRUE	TRUE	Linning of Lai Nullah side and bottom.
375	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
376	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and widening of channel.
377	FALSE	TRUE	TRUE	FALSE	TRUE	
378	FALSE	FALSE	FALSE	TRUE	TRUE	
379	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
380	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
381	TRUE	FALSE	FALSE	FALSE	FALSE	
382	FALSE	FALSE	FALSE	FALSE	TRUE	
383	FALSE	FALSE	FALSE	FALSE	TRUE	
384	FALSE	FALSE	FALSE	FALSE	FALSE	
385	TRUE	FALSE	FALSE	FALSE	TRUE	
386	FALSE	FALSE	FALSE	FALSE	TRUE	
387	FALSE	FALSE	TRUE	TRUE	FALSE	
388	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
389	TRUE	FALSE	TRUE	TRUE	TRUE	
390	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
391	FALSE	FALSE	FALSE	FALSE	FALSE	Linning of Lai Nullah side and bottom.
392	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.
393	TRUE	TRUE	FALSE	FALSE	TRUE	
394	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
395	FALSE	TRUE	FALSE	TRUE	TRUE	
396	FALSE	FALSE	FALSE	FALSE	FALSE	Deepening and Widening of channel.
397	TRUE	TRUE	FALSE	TRUE	TRUE	
398	FALSE	TRUE	FALSE	FALSE	TRUE	
399	FALSE	FALSE	FALSE	FALSE	FALSE	Metallic road on both banks.

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
400	2002/10/21	33	36.075	73	3.964	10	Photoghapher	-	120,000
401	2002/10/21	33	37.558	73	2.929	25	Labourer	450,000	75,000
402	2002/10/21	33	37.601	73	3.096	25	Tonga Driver	500,000	150,000
403	2002/10/21	33	37.605	73	3.251	35	Service	25,000,000	10,000,000
404	2002/10/21	33	37.679	73	3.236	25	Tailor	700,000	130,000
405	2002/10/21	33	37.547	73	3.401	9	Shop Owner	1,200,000	150,000
406	2002/10/21	33	37.500	73	3.315	3	Service	400,000	300,000
407	2002/10/21	33	37.499	73	3.128	55	Business	3,500,000	1,500,000
408	2002/10/21	33	37.482	73	3.126	40	Property Dealer	500,000	150,000
409	2002/10/21	33	37.471	73	2.964	10	Taxi Driver	800,000	300,000
410	2002/10/21	33	37.733	73	3.405	25	Shop Owner	200,000	100,000
411	2002/10/23	33	38.109	73	3.265	0	Land lord (doing nothing)	3,500,000	1,000,000
412	2002/10/23	33	38.246	73	2.214	10	Shop Owner (Tailor)	200,000	30,000
413	2002/10/22	33	37.673	73	3.069	8	Business	800,000	1,000,000
414	2002/10/22	33	37.800	73	3.081	10	Service	800,000	200,000
415	2002/10/22	33	37.881	73	3.129	25	Business	800,000	200,000
416	2002/10/22	33	37.978	73	3.122	14	Businessman	1,000,000	-
417	2002/10/22	33	38.008	73	3.080	4	Divisional Engineer PTCL	1,500,000	500,000
418	2002/10/22	33	37.817	73	2.878	3	Labour	500,000	150,000
419	2002/10/22	33	37.890	73	2.964	15	Computer College	1,500,000	500,000
420	2002/10/22	33	38.030	73	2.845	15	Steel Fixer / Shop Owner	200,000	50,000
421	2002/10/23	33	38.141	73	2.803	10	Shop Owner	300,000	150,000
422	2002/10/23	33	38.102	73	2.728	15	Retd Mechanical Sub - Engineer	700,000	250,000
423	2002/10/23	33	38.273	73	2.827	15	Employee, ISI Pak Army	800,000	300,000
424	2002/10/23	33	38.201	73	2.679	20	Sales man with cloth marchant.	900,000	250,000
425	2002/10/23	33	38.341	73	2.693	20	Shop Owner	250,000	200,000
426	2002/10/23	33	38.380	73	2.880	15	CDA Employee	1,200,000	500,000
427	2002/10/23	33	38.403	73	2.998	15	Foreign returned (Looking for some job)	1,200,000	500,000
428	2002/10/25	33	39.041	73	3.815	15	Service.	600,000	150,000
429	2002/10/25	33	39.094	73	3.861	15	Shop Owner	-	-
430	2002/10/26	33	38.904	73	3.764	3	Shop Owner	5,000	2,000
431	2002/10/25	33	38.989	73	3.792	0	Business	700,000	300,000
432	2002/10/26	33	38.830	73	3.817	12	Driver City School Van.	450,000	50,000
433	2002/10/26	33	38.839	73	3.786	5	Tailor	500,000	200,000
434	2002/10/26	33	38.828	73	3.676	25	Retd. Civil Engineer	1,800,000	500,000
435	2002/10/26	33	38.842	73	3.567	32	Shop Owner	1,500,000	350,000
436	2002/10/25	33	38.850	73	3.458	25	GHQ Employee	2,500,000	150,000
437	2002/10/25	33	38.854	73	3.377	25	Teacher	800,000	300,000
438	2002/10/26	33	38.650	73	3.698	25	Retd Director A.H	4,500,000	1,500,000
439	2002/10/26	33	38.700	73	3.611	20	Business Stone Aggregates.	3,000,000	500,000
440	2002/10/26	33	38.604	73	3.540	39	Rawalpindi Corporation employee (Retd)	800,000	250,000
441	2002/10/26	33	38.688	73	3.530	15	Shop Owner	250,000	85,000
442	2002/10/26	33	38.662	73	3.481	12	Shop Owner	120,000	100,000
443	2002/10/25	33	38.682	73	3.410	27	Labour	1,100,000	400,000
444	2002/10/25	33	38.630	73	3.335	18	Service.	700,000	175,000
445	2002/10/25	33	38.711	73	3.374	30	Business	700,000	175,000
446	2002/10/25	33	38.748	73	3.353	28	Politics	600,000	200,000
447	2002/10/25	33	38.793	73	3.292	15	Business	650,000	250,000
448	2002/10/25	33	38.828	73	3.403	20	Business	900,000	340,000
449	2002/10/26	33	38.788	73	3.435	47	Retd. Gov't Service PWD	3,000,000	500,000
450	2002/10/26	33	38.799	73	3.499	16	Business	25,000,000	500,000
451	2002/10/28	33	39.125	73	3.707	15	Employee of press	2,000,000	500,000
452	2002/10/28	33	39.098	73	3.660	25	Taxi Driver	1,500,000	250,000
453	2002/10/28	33	39.162	73	3.615	8	Retd (American Embassy Employee)	600,000	75,000
454	2002/10/28	33	39.197	73	3.584	3	Business	1,600,000	400,000
455	2002/10/28	33	39.222	73	3.610	18	Business	2,000,000	350,000
456	2002/10/28	33	39.257	73	3.533	6	Service	1,800,000	250,000

Results of Questionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
400	2001/7/23	0.00	0.0			7/23/01 11:15	7/23/01 17:00
401	2001/7/23	3.05	8.0	D		7/23/01 11:00	7/23/01 16:00
402	2001/7/23	0.15	0.0			7/23/01 7:00	7/23/01 14:00
403	2001/7/23	0.00	0.0			7/23/01 9:30	7/23/01 16:00
404	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 16:00
405	2001/7/23	0.00	0.0			7/23/01 3:00	7/23/01 14:00
406	2001/7/23	0.00	0.0			7/23/01 3:00	7/23/01 14:00
407	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 16:00
408	2001/7/23	0.00	0.0			7/23/01 7:00	7/23/01 14:00
409	2001/7/23	4.73	11.0	D		7/23/01 8:30	7/23/01 15:00
410	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 16:30
411	2001/7/23	1.37	3.0	D		7/23/01 9:30	7/23/01 19:00
412	2001/7/23	4.88	4.8	D		7/23/01 7:30	7/23/01 14:00
413	2001/7/23	4.57	8.0	D		7/23/01 10:00	7/23/01 16:00
414	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 16:00
415	2001/7/23	1.37	7.0	D		7/23/01 10:00	7/23/01 16:00
416	2001/7/23	3.05	11.0	D		7/23/01 5:00	7/23/01 17:00
417	2001/7/23	1.68	6.0	D		7/23/01 5:00	7/23/01 15:30
418	2001/7/23	1.07	3.5	D		7/23/01 5:00	7/23/01 15:00
419	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 14:00
420	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 14:00
421	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 13:00
422	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 12:01
423	2001/7/23	0.00	0.0			7/23/01 8:30	7/23/01 12:01
424	2001/7/23	1.07	2.0	D		7/23/01 11:00	7/23/01 17:00
425	2001/7/23	0.30	0.0			7/23/01 11:00	7/23/01 17:00
426	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 14:00
427	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 13:00
428	2001/7/23	0.46	0.0			7/23/01 8:00	7/23/01 14:00
429	2001/7/23	1.52	2.0	A		7/23/01 8:00	7/23/01 14:00
430	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
431	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
432	2001/7/23	0.00	0.0			7/23/01 7:00	7/23/01 16:00
433	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 16:00
434	2001/7/23	0.00	0.0			7/23/01 7:00	7/23/01 16:00
435	2001/7/23	0.30	0.0			7/23/01 7:00	7/23/01 16:00
436	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
437	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
438	2001/7/23	0.00	0.0			7/23/01 7:00	7/23/01 16:00
439	2001/7/23	0.00	0.0			7/23/01 6:00	7/23/01 15:00
440	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 15:00
441	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 14:30
442	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 17:00
443	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 14:30
444	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 16:00
445	2001/7/23	0.00	0.0			7/23/01 8:15	7/23/01 17:00
446	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 15:00
447	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 15:00
448	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 16:00
449	2001/7/23	0.46	1.5	C		7/23/01 6:00	7/23/01 16:00
450	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 17:00
451	2001/7/23	1.83	4.8	A		7/22/01 23:30	7/23/01 16:15
452	2001/7/23	1.68	4.5	A		7/23/01 10:00	7/23/01 18:00
453	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
454	2001/7/23	1.22	4.5	D		7/23/01 1:00	7/23/01 17:00
455	2001/7/23	1.98	8.7	D		7/23/01 8:30	7/23/01 17:00
456	2001/7/23	0.00	0.0			7/22/01 23:00	7/23/01 17:30

Results of Questionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
400	7/23/01 12:01	7/23/01 15:00				0.00
401	7/23/01 11:00	7/23/01 13:00	7/23/01 13:00	7/23/01 21:00	7/23/01 13:50	2.44
402	7/23/01 9:00	7/23/01 23:00				0.00
403	7/23/01 13:30	7/23/01 15:00				0.00
404	7/23/01 13:30	7/23/01 15:00				0.00
405	7/23/01 10:00	7/23/01 12:01				0.00
406	7/23/01 10:00	7/23/01 12:01				0.00
407	7/23/01 11:00	7/23/01 16:00				0.00
408	7/23/01 8:30	7/23/01 23:00				0.00
409	7/23/01 10:30	7/23/01 15:00	7/23/01 10:00	7/23/01 21:00	7/23/01 14:30	4.27
410	7/23/01 9:00	7/23/01 16:00				0.00
411	7/23/01 14:00	7/23/01 17:30	7/23/01 15:00	7/23/01 18:00	7/23/01 16:00	1.07
412	7/23/01 11:00	7/23/01 12:01	7/23/01 12:45	7/23/01 17:30	7/23/01 13:30	4.88
413	7/23/01 10:00	7/23/01 13:00	7/23/01 11:00	7/23/01 19:00	7/23/01 12:30	3.66
414	7/23/01 10:00	7/23/01 15:00				0.00
415	7/23/01 10:00	7/23/01 15:00	7/23/01 10:00	7/23/01 17:00	7/23/01 13:00	1.07
416	7/23/01 5:00	7/23/01 13:45	7/23/01 9:00	7/23/01 20:00	7/23/01 13:35	3.05
417	7/23/01 12:01	7/23/01 14:30	7/23/01 13:00	7/23/01 19:00	7/23/01 13:15	1.22
418	7/23/01 9:00	7/23/01 12:01	7/23/01 12:30	7/23/01 16:00	7/23/01 13:00	0.76
419	7/23/01 11:00	7/23/01 14:00				0.00
420	7/23/01 11:00	7/23/01 14:00				0.00
421	7/23/01 9:00	7/23/01 13:00				0.00
422	7/23/01 9:30	7/23/01 23:30	7/23/01 9:30	7/23/01 13:00	7/23/01 22:00	0.00
423	7/23/01 8:00	7/23/01 12:01				0.00
424	7/23/01 11:00	7/23/01 17:00	7/23/01 15:00	7/23/01 17:00	7/23/01 16:00	0.91
425	7/23/01 11:00	7/23/01 17:00				0.00
426	7/23/01 12:01	7/23/01 14:00				0.00
427	7/23/01 11:30	7/23/01 12:01				0.00
428	7/23/01 9:00	7/23/01 13:00				0.00
429	7/23/01 9:00	7/23/01 13:00	7/23/01 13:00	7/23/01 15:00	7/23/01 13:30	1.52
430	7/23/01 11:00	7/23/01 13:00				0.00
431	7/23/01 11:00	7/23/01 13:00				0.00
432	7/23/01 9:00	7/23/01 22:30				0.00
433	7/23/01 11:00	7/23/01 15:00				0.00
434	7/23/01 9:00	7/23/01 22:30				0.00
435	7/23/01 9:00	7/23/01 22:30				0.00
436	7/23/01 11:00	7/23/01 13:00				0.00
437	7/23/01 11:00	7/23/01 13:00				0.00
438	7/23/01 9:00	7/23/01 22:30				0.00
439	7/23/01 6:00	7/23/01 15:00				0.00
440	7/23/01 9:00	7/23/01 13:30				0.00
441	7/23/01 9:00	7/23/01 13:30				0.00
442	7/23/01 10:00	7/23/01 13:00				0.00
443	7/23/01 10:00	7/23/01 12:01				0.00
444	7/23/01 11:00	7/23/01 13:00				0.00
445	7/23/01 12:01	7/23/01 14:00				0.00
446	7/23/01 11:30	7/23/01 13:30				0.00
447	7/23/01 9:30	7/23/01 23:30				0.00
448	7/23/01 9:00	7/23/01 23:30				0.00
449	7/23/01 9:00	7/23/01 12:01	7/23/01 8:00	7/23/01 17:00	7/23/01 22:00	0.46
450	7/23/01 10:30	7/23/01 12:30				0.00
451	7/23/01 10:45	7/23/01 13:00	7/23/01 10:15	7/23/01 15:00	7/23/01 11:00	1.83
452	7/23/01 11:00	7/23/01 13:00	7/23/01 10:30	7/23/01 15:00	7/23/01 23:00	0.00
453	7/23/01 11:00	7/23/01 13:00				0.00
454	7/23/01 8:00	7/23/01 22:30	7/23/01 16:00	7/23/01 20:30	7/23/01 17:30	0.61
455	7/23/01 8:30	7/23/01 15:30	7/23/01 11:50	7/23/01 20:30	7/23/01 16:30	1.52
456	7/23/01 6:30	7/23/01 23:00				0.00

Results of Questionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
400	0	-				
401	6	25,000	2 No. Golden rings, beddings, Chairs, Table, Quilts etc.	15,000		
402	0	-				
403	0	-				
404	0	-				
405	0	-				
406	0	-				
407	0	-				
408	0	-				
409	0	15,000	Car JM 7115, Refrigerator, Beddings, Furniture + Clothes etc	150,000		
410	0	-				
411	0	-	Refrigerator, TV, Carpets, furniture etc.	40,000		
412	0	-	Sewing machines 5 no. + Tailored Clothes.	25,000		
413	0	50,000	Dowery, Car RIE 5851, Cash etc	400,000	7/23/01 12:01	7/23/01 22:00
414	0	-				
415	0	10,000	Fans, refrigerator, heater, stored grocery items of shop.	25,000		
416	0	200,000	Furniture, TV, Refrigerator, VCR, Beddings, Clothes etc.	50,000	7/23/01 9:30	7/23/01 20:00
417	3	50,000	Carpets, Furniture, Refrigerator, TV, VCR, Micro oven, Cooking range etc.	90,000		
418	0	-	Carpets, Beddings, Clothes etc.	10,000		
419	0	-				
420	0	-				
421	0	-				
422	0	-				
423	0	-				
424	0	-	Refrigerator, TV, Cash, Mattresses, Furniture etc.	20,000		
425	0	-				
426	0	-				
427	0	-				
428	0	-				
429	0	-	40 bags Cement.	9,800		
430	0	-				
431	0	-				
432	0	-				
433	0	-				
434	0	-				
435	0	-				
436	0	-				
437	0	-				
438	0	-				
439						
440	0	-				
441	0	-				
442	0	-				
443	0	-				
444	0	-				
445	0	-				
446	0	-				
447	0	-				
448	0	-				
449		-	Wooden Almirah, Carpets.	10,000		
450	0	-				
451	0	30,000	Furniture, Cupboard, Dish receiver, Carpets etc.	25,000		
452	2	30,000	TV, VCR, Refrigerator, Mats, Beddings etc.	35,000		
453	0	-				
454	0	-	Car, Furniture, TV, VCR, Carpets, Crockery, Clothes etc.	300,000		
455	1	10,000	Cash 6000.00, Wood work, Doors, paneling, Kitchen Cabinets etc.	350,000		
456	0	-				

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
400			
401			moved on top of roof.
402			
403			
404			
405			
406			
407			
408			
409			Shifted on top of roof of 2nd storey.
410			
411	Shifted to 2nd storey.		
412			Instant flood did not permit.
413	Golra sharif with relatives.		
414			
415			
416	To higher place in the locality.	No body	
417	Shifted on 2nd floor.		
418			Not required.
419			
420			
421			
422			
423			
424			Shifted to 2nd storey.
425			
426			
427			
428			
429			
430			
431			
432			
433			
434			
435			
436			
437			
438			
439			
440			
441			
442			
443			
444			
445			
446			
447			
448			
449		None	Shifted to 2nd storey.
450			
451			Shifted to 2nd storey.
452			Shifted to top of roof.
453			
454			Shifted to the top of roof.
455			Shifted to the top of roof.
456			

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
400	TRUE	FALSE	TRUE	TRUE	TRUE	
401	TRUE	FALSE	TRUE	FALSE	TRUE	
402	TRUE	FALSE	TRUE	FALSE	TRUE	
403	TRUE	FALSE	TRUE	FALSE	TRUE	
404	TRUE	FALSE	TRUE	FALSE	TRUE	
405	TRUE	FALSE	TRUE	FALSE	TRUE	
406	TRUE	FALSE	TRUE	FALSE	TRUE	
407	TRUE	FALSE	TRUE	FALSE	TRUE	
408	TRUE	FALSE	TRUE	FALSE	TRUE	
409	TRUE	FALSE	TRUE	FALSE	TRUE	
410	TRUE	FALSE	TRUE	FALSE	TRUE	
411	TRUE	FALSE	TRUE	FALSE	TRUE	
412	TRUE	FALSE	TRUE	FALSE	TRUE	
413	TRUE	FALSE	TRUE	FALSE	TRUE	
414	TRUE	FALSE	TRUE	FALSE	TRUE	
415	TRUE	FALSE	TRUE	FALSE	TRUE	
416	TRUE	TRUE	FALSE	FALSE	TRUE	
417	TRUE	FALSE	TRUE	FALSE	TRUE	
418	TRUE	FALSE	TRUE	FALSE	TRUE	
419	TRUE	FALSE	TRUE	FALSE	TRUE	
420	TRUE	TRUE	TRUE	FALSE	TRUE	
421	TRUE	FALSE	TRUE	FALSE	TRUE	
422	TRUE	FALSE	TRUE	FALSE	TRUE	
423	TRUE	TRUE	TRUE	FALSE	TRUE	
424	TRUE	FALSE	TRUE	FALSE	TRUE	
425	TRUE	FALSE	TRUE	FALSE	TRUE	
426	TRUE	FALSE	TRUE	FALSE	TRUE	
427	TRUE	FALSE	TRUE	FALSE	TRUE	
428	TRUE	FALSE	TRUE	FALSE	TRUE	
429	TRUE	TRUE	TRUE	TRUE	TRUE	
430	TRUE	FALSE	TRUE	FALSE	TRUE	
431	TRUE	FALSE	TRUE	FALSE	TRUE	
432	TRUE	FALSE	TRUE	FALSE	TRUE	
433	TRUE	FALSE	TRUE	FALSE	TRUE	
434	TRUE	FALSE	TRUE	FALSE	TRUE	
435	TRUE	FALSE	TRUE	FALSE	TRUE	
436	TRUE	FALSE	TRUE	FALSE	TRUE	
437	TRUE	FALSE	TRUE	FALSE	TRUE	
438	TRUE	TRUE	TRUE	TRUE	TRUE	
439	TRUE	TRUE	FALSE	TRUE	TRUE	
440	TRUE	FALSE	TRUE	FALSE	TRUE	
441	TRUE	FALSE	TRUE	FALSE	TRUE	
442	TRUE	FALSE	TRUE	FALSE	TRUE	
443	TRUE	FALSE	TRUE	FALSE	TRUE	
444	TRUE	FALSE	TRUE	FALSE	TRUE	
445	TRUE	FALSE	TRUE	FALSE	TRUE	
446	TRUE	FALSE	TRUE	FALSE	TRUE	
447	TRUE	FALSE	TRUE	FALSE	TRUE	
448	TRUE	FALSE	TRUE	FALSE	TRUE	
449	TRUE	TRUE	TRUE	FALSE	TRUE	
450	TRUE	FALSE	TRUE	FALSE	TRUE	
451	TRUE	FALSE	TRUE	FALSE	TRUE	
452	TRUE	FALSE	TRUE	FALSE	TRUE	
453	FALSE	FALSE	FALSE	FALSE	FALSE	
454	TRUE	FALSE	TRUE	FALSE	TRUE	
455	TRUE	FALSE	TRUE	FALSE	TRUE	
456	TRUE	FALSE	TRUE	FALSE	TRUE	

Results of Questionnaire Survey on Flood Inundation

No.	Date of Interview	Latitude		Longitude		Period of Residents	Occupation	House Value (Rs)	Movables Value (Rs)
		Deg.	Min.	Deg.	Min.				
457	2002/10/28	33	39.300	73	3.531	10	Employee Finance Deptt. Islamabad.	700,000	250,000
458	2002/10/18	33	39.359	73	3.508	0	Federal Gov't Employee.	500,000	250,000
459	2002/10/28	33	39.427	73	3.466	15	Gov't Service	500,000	200,000
460	2002/10/28	33	39.151	73	3.521	18	Private Service	250,000	75,000
461	2002/10/26	33	38.785	73	3.045	20	Business	2,500,000	1,000,000
462	2002/10/26	33	38.697	73	3.088	20	Property Dealer	150,000	10,000
463	2002/10/26	33	38.615	73	3.011	10	Driver	175,000	50,000
464	2002/10/26	33	38.583	73	2.955	15	Service	1,000,000	300,000
465	2002/10/28	33	39.310	73	3.372	15	Business	1,800,000	350,000
466	2002/10/28	33	39.230	73	3.403	2	Student	1,400,000	350,000
467	2002/10/28	33	39.156	73	3.460	17	Labour	450,000	150,000
468	2002/10/28	33	39.188	73	3.343	3	Student	1,500,000	50,000
469	2002/10/28	33	39.097	73	3.471	20	CDA Employee	350,000	150,000
470	2002/10/24	33	38.453	73	2.889	8	Marketing and sales manager.	1,500,000	300,000
471	2002/10/24	33	38.449	73	2.978	15	Shop Owner	250,000	150,000
472	2002/10/24	33	38.443	73	2.761	15	Business	4,000,000	1,000,000
473	2002/10/24	33	38.520	73	2.910	20	Nothing (idle)	700,000	250,000
474	2002/10/24	33	37.694	73	3.684	20	Chokidar	5,000,000	1,500,000
475	2002/10/24	33	37.545	73	3.793	20	Homeo Doctor	800,000	240,000
476	2002/10/24	33	37.525	73	3.561	20	Business	1,200,000	350,000
477	2002/10/24	33	37.749	73	3.708	15	Shop Owner	250,000	75,000
478	2002/3/10	33	36.449	73	4.263	14	Service (MES)	1,000,000	-
479	2002/10/22	33	37.759	73	3.200	5	Business	800,000	200,000
480	2002/2/10	33	35.433	73	4.110	11	Business	1,000,000	250,000
481	2002/5/11	33	37.523	73	4.305	0.5	Shopkeeper	-	-
482	2002/5/11	33	37.506	73	4.183	18	Supervisor (Heavy Mechanical Complex)	1,500,000	-
483	2002/5/11	33	37.469	73	4.295	4	N/A	-	-
484	2002/5/11	33	37.559	73	4.163	3	Shopkeeper	-	-
485	2002/5/11	33	37.568	73	4.099	2.5	Jeweller	400,000	-
486	2002/6/11	33	35.985	73	2.648	5	Dhobi	-	-
487	2002/6/11	33	35.892	73	2.867	20	Shopkeeper	-	-
488	2002/6/11	33	35.861	73	3.223	8	Shopkeeper	-	-
489	2002/6/11	33	36.124	73	3.355	20	Gov't Servant	-	-
490	2002/6/11	33	36.164	73	3.151	2	Shopkeeper (Tenant)	-	-
491	2002/6/11	33	35.397	73	3.752	25	Gov't Servant	-	-
492	2002/6/11	37	34.029	73	5.462	20	Servant (Cook)	-	-
493	2002/6/11	33	35.083	73	4.097	18	Shopkeeper	-	-
494	2002/6/11	33	34.986	73	4.536	5	Government Officer	-	-
495	2002/6/11	33	33.744	73	5.455	5	Masson	-	-
496	2002/6/11	33	36.654	73	4.499	20	Retired Army Person	-	-
497	2002/6/11	33	36.564	73	4.501	18	Retired (Air Force)	-	-
498	2002/6/11	33	36.636	73	4.502	40	Photographer	-	-
499	2002/6/11	33	36.591	73	4.720	0	N/A	-	-
500	2002/6/11	33	36.739	73	4.538	15	N/A	-	-

Results of Qestionnaire Survey on Flood Inundation

No.	Inundation Date	Inundation Max Depth (ft)	Duration of Inundation (days)	Cause of Inundation	Name of Overflowed Tributary	Rain Duration	
						From	To
457	2001/7/23	0.00	0.0			7/23/01 5:00	7/23/01 14:30
458	2001/7/23	2.41	7.0	D		7/23/01 6:30	7/23/01 15:00
459	2001/7/23	0.00	0.0			7/23/01 6:30	7/23/01 15:00
460	2001/7/23	1.98	5.5	A		7/23/01 7:00	7/23/01 14:30
461	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 15:00
462	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 15:00
463	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 15:00
464	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 15:00
465	2001/7/23	0.00	0.0			7/23/01 6:30	7/23/01 15:00
466	2001/7/23	0.00	0.0			7/22/01 19:00	7/23/01 16:00
467	2001/7/23	1.22	7.5	A		7/23/01 7:00	7/23/01 17:00
468	2001/7/23	0.00	0.0			7/22/01 19:00	7/23/01 16:00
469	2001/7/23	4.27	7.0	A		7/23/01 7:00	7/23/01 17:00
470	2001/7/23	0.00	0.0			7/22/01 21:00	7/23/01 23:00
471	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 12:01
472	2001/7/23	0.00	0.0			7/23/01 8:30	7/23/01 14:00
473	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 12:01
474	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
475	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 17:00
476	2001/7/23	1.07	1.5	D		7/23/01 10:00	7/23/01 17:00
477	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 16:00
478	2001/7/23	4.27	15.0	D		7/23/01 12:01	7/23/01 16:00
479	2001/7/23	2.74	3.5	D		7/23/01 10:00	7/23/01 16:00
480	2001/7/23	0.91	3.0	A	Lai Nullah	7/23/01 10:45	7/23/01 15:30
481	2001/7/23	0.00	0.0			7/23/01 12:01	7/23/01 18:00
482	2001/7/23	0.30	1.0	C		7/23/01 10:00	7/23/01 16:00
483	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 18:00
484	2001/7/23	0.00	0.0			7/23/01 9:00	7/23/01 16:00
485	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 16:00
486	2001/7/23	0.00	0.0			7/23/01 11:30	7/23/01 16:00
487	2001/7/23	0.00	0.0			7/23/01 4:00	7/23/01 15:00
488	2001/7/23	0.00	0.0			7/23/01 6:00	7/23/01 18:00
489	2001/7/23	0.00	0.0			7/23/01 4:00	7/23/01 16:00
490	2001/7/23	0.30	0.0	A			
491	2001/7/23	0.00	0.0			7/23/01 6:00	7/23/01 18:00
492	2001/7/23	0.00	0.0				
493	2001/7/23	0.00	0.0			7/22/01 17:00	7/23/01 18:00
494	2001/7/23	0.00	0.0			7/23/01 11:00	7/23/01 16:00
495	2001/7/23	0.15	4.0	C		7/23/01 10:00	7/23/01 16:00
496	2001/7/23	0.30	6.0	A		7/23/01 8:00	7/23/01 13:00
497	2001/7/23	0.91	12.0	D	Dhok Khaba.	7/23/01 11:30	7/23/01 19:30
498	2001/7/23	0.00	0.0			7/23/01 10:00	7/23/01 14:00
499	2001/7/23	0.00	0.0			7/23/01 8:00	7/23/01 12:01
500	2001/7/23	0.00	0.0			7/23/01 8:30	7/23/01 12:01

Results of Qestionnaire Survey on Flood Inundation

No.	Heavy Rain Duration		Inundation Duration		Max. Depth Occurrence Time	Max Inundation Depth from Floor level
	From	To	From	To		
457	7/23/01 6:00	7/23/01 23:00				0.00
458	7/23/01 6:30	7/23/01 23:00	7/23/01 10:15	7/23/01 17:15	7/23/01 23:00	1.80
459	7/23/01 6:30	7/23/01 23:00				0.00
460	7/23/01 7:00	7/23/01 14:30	7/23/01 12:30	7/23/01 18:00	7/23/01 13:00	1.98
461	7/23/01 10:30	7/23/01 12:30				0.00
462	7/23/01 11:00	7/23/01 13:30				0.00
463	7/23/01 11:30	7/23/01 13:30				0.00
464	7/23/01 10:30	7/23/01 13:30				0.00
465	7/23/01 6:30	7/23/01 23:00				0.00
466	7/23/01 14:00	7/23/01 15:00				0.00
467	7/23/01 12:01	7/23/01 14:00	7/23/01 8:30	7/23/01 16:00	7/23/01 22:30	1.22
468	7/23/01 14:00	7/23/01 15:00				0.00
469	7/23/01 12:01	7/23/01 14:00	7/23/01 10:00	7/23/01 17:00	7/23/01 11:00	4.27
470	7/23/01 10:00	7/23/01 23:00				0.00
471	7/23/01 9:00	7/23/01 22:00				0.00
472	7/23/01 9:00	7/23/01 22:30				0.00
473	7/23/01 9:00	7/23/01 22:00				0.00
474	7/23/01 12:01	7/23/01 17:00				0.00
475	7/23/01 12:01	7/23/01 16:00				0.00
476	7/23/01 12:01	7/23/01 16:00	7/23/01 10:30	7/23/01 12:01	7/23/01 23:00	0.46
477	7/23/01 12:01	7/23/01 14:00				0.00
478	7/23/01 12:01	7/23/01 16:00	7/23/01 14:00	7/24/01 5:00	7/23/01 16:15	3.96
479	7/23/01 10:00	7/23/01 16:00	7/23/01 14:30	7/23/01 18:00	7/23/01 14:45	2.13
480	7/23/01 12:01	7/23/01 15:00	7/23/01 13:15	7/23/01 18:15	7/23/01 13:30	0.61
481	7/23/01 12:01	7/23/01 14:00				0.00
482	7/23/01 13:30	7/23/01 14:30				0.00
483	7/23/01 15:00	7/23/01 16:30				0.00
484	7/23/01 11:00	7/23/01 15:00				0.00
485	7/23/01 11:00	7/23/01 15:00				0.00
486	7/23/01 11:00	7/23/01 14:00				0.00
487						0.00
488	7/23/01 12:01	7/23/01 15:00				0.00
489	7/23/01 6:00	7/23/01 14:00				0.00
490						0.00
491	7/23/01 14:00	7/23/01 18:00				0.00
492						0.00
493	7/23/01 6:00	7/23/01 12:01				0.00
494	7/23/01 11:00	7/23/01 12:30				0.00
495	7/23/01 12:01	7/23/01 14:00	7/23/01 12:01	7/23/01 14:00		0.00
496	7/23/01 11:00	7/23/01 14:00	7/23/01 12:01	7/23/01 18:00		0.00
497	7/23/01 11:30	7/23/01 19:00	7/23/01 14:00	7/24/01 0:01		0.30
498	7/23/01 10:00	7/23/01 13:00				0.00
499	7/23/01 11:30	7/23/01 13:00				0.00
500	7/23/01 10:30	7/23/01 12:30				0.00

Results of Qestionnaire Survey on Flood Inundation

No.	Flood House Damage		Flood Movables Damages		Evacuaton	
	(%)	(Rs)	Items	(Rs)	From	To
457	0	-				
458	0	-	Furniture, TV, AC, Freezer, Carpets.	100,000	7/23/01 10:30	7/26/01 20:00
459	0	-				
460	14	34,000	Dowery of daughter, Utensils, Beddings, Clothes etc.	-	7/23/01 13:00	7/23/01 20:00
461	0	-				
462	0	-				
463	0	-				
464	0	-				
465	0	-				
466	0	-				
467	2	15,000	Beds, Beddings, Sofa set, Shoes Cars etc.	8,000	7/23/01 9:00	7/23/01 20:00
468	0	-				
469	4	15,000	Furniture, Cots, Beddings.	20,000	7/23/01 10:00	7/23/01 20:00
470	0	-				
471	0	-				
472	0	-				
473	0	-				
474	0	-				
475	0	-				
476	0	-	Carpets, Furniture, Clothes etc.	15,000		
477	0	-				
478	0	10,000			7/23/01 14:00	7/24/01 7:00
479	8	60,000	Furniture, Utensils, & Clothes etc.	50,000	7/23/01 14:30	7/23/01 22:00
480	0	-	Furniture	5,000		
481	0	-				
482	0	-				
483	0	-				
484	0	-				
485	0	-				
486	0	-				
487	0	-				
488	0	-				
489	0	-				
490						
491	0	-				
492						
493	0	-				
494	0	-				
495	0	-				
496	5	-	Furniture.	-		
497	0	-				
498	0	-				
499	0	-				
500	0	-				

Results of Questionnaire Survey on Flood Inundation

No.	Evacuation Place	Agency or Person advised him/her to evacuate	Reason why he/she did not evacuate
457			
458	To relatives at Okara.	Nobody.	
459			
460	Near by higher places.	None.	
461			
462			
463			
464			
465			
466			
467	On top of roof.	No body.	
468			
469	To higher places in other areas.	Nobody.	
470			
471			
472			
473			
474			
475			
476			Nessity was not felt.
477			
478	Shifted to the top of roof.		
479	To relatives living away at higher places.		
480			Sudden flood.
481			
482			Water was just on the streets.
483			
484			
485			
486			
487			
488			
489			
490			Not evacuated.
491			
492			
493			
494			
495			
496	First floor.	Nobody advised.	No other place to go.
497	First floor.	Nobody	
498			
499			
500			

Results of Qestionnaire Survey on Flood Inundation

No.	Requested Measures					
	River Improvement	Drainage Improvement	Flood Forecasting	Water Quality Improvement	Garbage Management	Others
457	TRUE	FALSE	TRUE	FALSE	TRUE	
458	TRUE	FALSE	TRUE	FALSE	TRUE	
459	TRUE	FALSE	TRUE	FALSE	TRUE	
460	TRUE	FALSE	TRUE	FALSE	TRUE	
461	TRUE	FALSE	TRUE	FALSE	TRUE	
462	TRUE	FALSE	TRUE	FALSE	TRUE	
463	TRUE	FALSE	TRUE	FALSE	TRUE	
464	TRUE	FALSE	TRUE	FALSE	TRUE	
465	TRUE	FALSE	TRUE	FALSE	TRUE	
466	TRUE	FALSE	TRUE	FALSE	TRUE	
467	TRUE	FALSE	TRUE	FALSE	TRUE	
468	TRUE	FALSE	TRUE	FALSE	TRUE	
469	TRUE	FALSE	TRUE	FALSE	TRUE	
470	TRUE	FALSE	TRUE	FALSE	TRUE	
471	TRUE	FALSE	TRUE	FALSE	TRUE	
472	TRUE	FALSE	TRUE	FALSE	TRUE	
473	TRUE	FALSE	TRUE	FALSE	TRUE	
474	TRUE	FALSE	TRUE	FALSE	TRUE	
475	TRUE	FALSE	TRUE	FALSE	TRUE	
476	TRUE	FALSE	TRUE	FALSE	TRUE	
477	TRUE	FALSE	TRUE	FALSE	TRUE	
478	TRUE	FALSE	TRUE	FALSE	TRUE	
479	TRUE	FALSE	TRUE	FALSE	TRUE	
480	FALSE	FALSE	FALSE	FALSE	TRUE	
481	TRUE	TRUE	FALSE	FALSE	TRUE	
482	TRUE	FALSE	FALSE	FALSE	FALSE	
483	TRUE	FALSE	FALSE	FALSE	TRUE	
484	FALSE	FALSE	FALSE	FALSE	TRUE	Widening of cross section of Lai Nullah.
485	TRUE	FALSE	FALSE	TRUE	TRUE	
486	FALSE	FALSE	FALSE	FALSE	TRUE	
487	TRUE	FALSE	FALSE	FALSE	TRUE	Polythin bags.
488	FALSE	FALSE	FALSE	FALSE	FALSE	
489	TRUE	FALSE	FALSE	FALSE	TRUE	
490	TRUE	FALSE	FALSE	FALSE	FALSE	
491	TRUE	FALSE	FALSE	FALSE	TRUE	evacuation of people on long term basis.
492	FALSE	FALSE	FALSE	FALSE	FALSE	
493	TRUE	FALSE	FALSE	FALSE	FALSE	
494	FALSE	FALSE	FALSE	FALSE	FALSE	
495	TRUE	TRUE	FALSE	FALSE	TRUE	
496	TRUE	TRUE	FALSE	FALSE	FALSE	Widening and deepening.
497	TRUE	TRUE	FALSE	FALSE	FALSE	
498	TRUE	FALSE	FALSE	FALSE	TRUE	Increase the hight of road.
499	TRUE	FALSE	FALSE	FALSE	TRUE	
500	FALSE	TRUE	FALSE	FALSE	FALSE	

DATA BOOK II SOCIAL SURVEY

(Basic Data for Sector I in Supporting Report)

II.1 RESULTS OF BASELINE SURVEY

Study for Social Environment Results of Baseline Survey

Abbreviation

F.S	Family Size	L .R	Legal Rawalpindi
T.F	Total Families	I L .R	Illegal Rawalpindi
F.M	Family Members	I L. I	Illegal Islamabad

Detailed Results

1-Ownership of House

Ownership	Number	%
Owner	99	99
Tenant	1	1
Total	100	100%

2- No. of family members

F.S	T.F	T.F	T.F	Total	%
	L.R	IL.R	IL.I		
Above 12	1	4	1	6	6
9 - 12	8	7	7	22	22
6 - 8	12	9	9	30	30
3 - 5	26	6	3	35	35
Below 3	3	4	0	7	7
Total	50	30	20	100	100 %

3- Age

Male (Age in years)

F.S	L.R	IL.R	IL.I	Total	%
below 10	53	27	27	107	24
10 to 20	78	33	27	138	31
20 to 30	44	17	16	77	17
30 to 60	57	25	19	101	23
above 60	14	9	0	23	5
Total	246	111	89	446	100 %

Female (Age in years)

F.S	L.R	IL.R	IL.I	Total	%
below 10	51	27	20	98	25
10 to 20	63	27	21	111	29
20 to 30	34	22	13	69	18
30 to 60	63	20	15	98	25
above 60	5	2	2	9	2
Total	216	98	70	385	100%

4- Family structure

F.S	L.R	IL.R	IL.I	Total	%
single family	33	22	14	69	69
joint family	17	8	6	31	31
Total	50	30	20	100	100%

5- What was your previous resident site?

F.S	L.R	IL.R	IL.I	Total	%
Same	44	27	20	91	91
Other	6	3	0	9	9
Total	50	30	20	100	100%

6- Duration of living at present place (in years)

F.S	L.R	IL.R	IL.I	Total	%
Above 16	32	17	7	56	56
13 – 15	5	3	6	14	14
9 – 12	5	3	6	14	14
6 – 8	1	4	1	6	6
3 – 5	5	2	0	7	7
Below 3	2	1	0	3	3
Total	50	30	20	100	100%

7- Education of the family members

Adult Male

Options	L.R	IL.R	IL.I	Total	%
Illiterate	46	39	24	109	40
Primary ¹	43	4	4	51	19
Secondary ²	34	15	5	54	20
Metric ³	28	8	6	42	15
Intermediate ⁴	8	1	1	10	4
Graduate ⁵	6	0	0	6	2
Postgraduate ⁶	2	0	0	2	1
Total	167	67	40	274	100 %

Adult Female

Options	L.R	I.L.R	I.L.I	Total	%
Illiterate	68	38	33	139	72
Primary	16	5	3	24	13
Secondary	9	5	0	14	7
Metric	8	1	0	9	5
Intermediate	1	1	1	2	1
Graduate	4	1	0	5	3
Total	106	51	37	194	100 %

¹ Primary= Grade 1 to 5

² Secondary= Grade 6 to 10

³ Metric= Provincial test for secondary graduates

⁴ Intermediate= Grade 11 to 12

⁵ Graduate= Grade 13 to 14

⁶ Postgraduate= Grade 15 to 16

8- Educational institutions in this specific area and nearby

Options	L.R	IL.R	LI.I	Total	%
Governmental	16	18	18	52	37
Private	45	22	1	68	49
Madrisa ⁷	15	3	1	19	14
Total	76	43	20	139	100%

9- Level of educational institutions:

Options	L.R	I.L.R	I.L.I	Total	%
Primary	40	16	17	73	53
Middle	13	3	2	18	12
High	9	10	7	26	19
College	3	0	0	3	2
Madrisa	15	3	1	19	14
Total	80	32	27	139	100%

10- No of employees in the family:

F.S	L.R	IL.R	IL.I	Total	%
6	0	0	6	6	4
5	1	5	0	6	4
4	4	4	12	20	15
3	5	3	6	14	10
2	12	16	14	42	31
1	30	12	7	49	36
total	52	40	45	137	100 %

11- Nature of employment:

Male

Options	L.R	IL.R	IL.I	Total	%
Govt. service	8	3	9	20	17
Pvt. Job	7	6	8	21	18
Labor	22	14	15	51	44
Own work/business	13	5	7	25	21
Total	50	28	39	117	100%

Female

Options	L.R	IL.R	I.L.I	Total	%
Govt. service	0	1	0	1	5
Pvt. Job	0	1	0	1	5
As servant	6	2	10	18	90
Total	6	4	10	20	100%

12- No of family member's unemployed (in the age of employment above the 18 years)

Options	L.R	IL.R	IL.I	Total	%
Male	54	36	15	105	33
Female	120	68	29	217	67
Total	174	104	44	322	100 %

⁷ Madrisa= Mosque (religious) school

13- Income level (monthly) in Pak Rs.

Options	L.R	IL.R	IL.I	Total	%
Below 2000	6	6	0	12	12
2001 - 4000	18	18	12	48	48
4001 - 6000	11	06	08	25	25
6001 -8,000	5	0	0	5	5
8,001 - 10,000	6	0	0	6	6
Above10, 000	4	0	0	4	4
Total	50	30	20	100	100%

14- Do you save some money (monthly) ?

Options	L.R	IL.R	IL.I	Total	%
Yes	6	0	4	10	10
No	44	30	16	90	90
Total	50	30	20	100	100%

(If yes) how much (In Pak Rs.)?

Options	L.R	IL.R	I.L.I	Total	%
Below 50	1	0	0	1	10
51 - 100	3	0	3	6	60
201 – 300	1	0	1	2	20
301 – 400	0	0	0	0	0
401 – 500	0	0	0	0	0
above 500	1	0	0	1	10
Total	6	0	04	10	100 %

15- External borrowing

Options	L.R	IL.R	IL.I	Total	%
Yes	28	20	4	52	52
No	22	10	16	48	48
Total	50	30	20	100	100%

15 a) (if yes) how much (In Pak Rs.)?

Options	L.R	IL.R	IL.I	Total	%
Below 50	0	0	0	0	0
51 - 100	0	3	0	3	6
101 – 200	3	0	0	3	6
201 – 300	2	5	1	8	15
301 - 400	3	1	2	6	12
401 – 500	6	2	0	8	15
above 500	14	9	1	24	46
Total	28	20	4	52	100 %

15 b) how often?

Options	L.R	IL.R	IL.I	Total	%
frequently	10	6	2	18	34
sometime	15	14	2	31	60
very rarely	3	0	0	3	6
Total	28	20	04	52	100%

15 c) from where?

Options	L.R	IL.R	IL.I	Total	%
neighbors	20	10	4	34	65
relatives	9	8	0	17	33
friends/others	1	0	0	1	2
Total	30	18	4	52	100%

16- Is there any organization working on Micro Credit in your area?

Options	L.R	IL.R	IL.I	Total	%
Yes	3	1	0	4	4
No	47	29	20	96	96
Total	50	30	20	100	100 %

16 a) (if Yes) name of the organization/institution in Rawalpindi

a- Khushali Bank ⁸
b-N R S P ⁹

17- Whether you have taken any loan?

Options	L.R	IL.R	IL.I	Total	%
Yes	1	0	0	1	1
No	49	30	20	99	99
Total	50	30	20	100	100 %

(if yes) how much (Rs) ?

Options	L.R	IL.R	IL.I	Total	%
Below 3000	0	0	0	0	0
3001 – 6000	0	0	0	0	0
6001 –9000	0	0	0	0	0
9001 - 12000	1	0	0	1	100
12001 – 15000	0	0	0	0	0
above 15000	0	0	0	0	0
Total	1	0	0	1	100 %

For what purpose?

Options	L.R	IL.R	IL.I	Total	%
Business	1	0	0	1	100 %

18- Housing Condition:

Options	L.R	IL.R	IL.I	Total	%
Katcha ¹⁰	3	2	11	16	16
Pakka ¹¹	38	20	2	60	60
Semi Pakka ¹²	9	8	7	24	24
Total	50	30	20	100	100 %

⁸ Khushali Bank= Semi-governmental organization for micro-financing

⁹ NRSP= A non-governmental organization (NGO)

¹⁰ Katcha= Mud construction (low cost)

¹¹ Pakka= Concrete construction (high cost)

¹² Semi pakka= Half concrete construction

19- Covered area (in marla¹³)

Options	L.R	IL.R	IL.I	Total	%
Above 3	35	10	5	50	50
2-3	13	10	13	36	36
Below 2	2	10	2	14	14
Total	50	30	20	100	100 %

No of stories:

Options	L.R	IL.R	IL.I	Total	%
Double	29	14	0	43	43
Single	21	16	20	57	57
Total	50	30	20	100	100 %

No of rooms:

Options	L.R	IL.R	IL.I	Total	%
Above 4	34	7	0	41	41
3	12	11	6	29	29
2	1	10	10	21	21
1	3	2	4	9	9
Total	50	30	20	100	100 %

Do you have a separate kitchen?

Options	L.R	IL.R	IL.I	Total	%
Yes	37	21	5	63	63
No	13	9	15	37	37
Total	50	30	20	100	100 %

20- Estimated cost of the house (In Pak Rs.)

Options	L.R	IL.R	IL.I	Total	%
Above 500,000	34	2	0	36	36
3 Lac – 5 Lac ¹⁴	7	11	2	20	20
1 Lac – 3 Lac	4	14	7	25	25
Below 1 Lac	0	0	3	3	3
Don't know	5	03	8	16	16
Total	50	30	20	100	100 %

21- Physical & environmental condition of house

Options	L.R	IL.R	IL.I	Total	%
good	7	0	0	7	7
normal	37	23	5	65	65
poor	6	7	15	28	28
Total	50	30	20	100	100 %

¹³ Marla =Area unit (=25.3 m²)¹⁴ Lac= unit of 100,000

22- Drinking water facility:

Options	L.R	I.L.R	I.L.I	Total	%
water tap at home	7	0	12	19	19
in community	6	7	8	21	21
hand pump	0	0	0	0	0
boring	1	2	0	3	3
govt. supply	36	21	0	57	57
Total	50	30	20	100	100 %

22 I) (if govt. supply) sufficient or not?

Options	L.R	IL.R	IL.I	Total	%
sufficient	15	13	0	28	49
insufficient	21	8	0	29	51
Total	36	21	0	57	100 %

23- If boring, do you share financially/labor during break down etc.

Options	L.R	IL.R	IL.I	Total	%
Yes	1	0	1	2	2
No	49	30	19	98	98
Total	50	30	20	100	100 %

24- Do you have storage facility of water

Options	L.R	I.L.R	I.L.I	Total	%
Yes	25	12	20	57	57
No	25	13	-	43	43
Total	50	30	20	100	100 %

24 i) (if yes) what type of storage facility for irrigation

Options	L.R	IL.R	IL.I	Total	%
Water tank	17	4	0	21	37
Pond	0	0	0	0	0
Drums	8	8	2	18	32
others	0	0	8	18	32
Total	25	12	20	57	100 %

25- Do you have storage for flood water?

Options	L.R	IL.R	IL.I	Total	%
Yes	0	0	0	0	0
No	50	30	20	100	100%
Total	50	30	20	100	100 %

26- Do you have any water purification plant in the area?

Options	L.R	IL.R	IL.I	Total	%
Yes	0	0	0	0	0
No	50	30	20	100	100
Total	50	30	20	100	100 %

26 a) (if yes) Are you taking water from plant?

Options	L.R	I.L.R	I.L.I	Total	%
Yes	0	0	0	0	0
No	50	30	20	100	100
Total	50	30	20	100	100 %

27- Whether toilet is available at your home

Options	L.R	IL.R	IL.I	Total	%
Yes	47	22	13	82	82
No	3	8	7	18	18
Total	50	30	20	100	100 %

27 a) Type of toilets

Options	L.R	IL.R	IL.I	Total	%
WC Indian toilet	47	22	13	82	100%

28- What is the source for disposal of waste water?

Options	L.R	IL.R	IL.I	Total	%
open	0	1	0	1	1
drainage system	0	0	0	0	0
open drain	8	4	8	20	20
covered drain	4	0	0	4	4
uncovered	0	0	0	0	0
paki drain	6	8	0	14	14
katchi drain	5	1	0	6	6
sewerage system	0	0	0	0	0
pipe line in Lai	27	16	12	55	55
Total	50	30	20	100	100 %

29- How much waste generated daily (kg approximately)

Options	L.R	IL.R	IL.I	Total	%
Below 1 Kg	5	0	6	11	11
1-2	16	18	6	40	40
2-3	13	3	4	20	20
3-4	10	7	1	18	18
Above 4	6	2	3	11	11
Total	50	30	20	100	100 %

30- Daily how many times you throw waste out side

Options	L.R	IL.R	IL.I	Total	%
Once a day	23	09	01	33	33
Twice a day	11	05	01	17	17
No limit	16	16	18	50	50
Total	50	30	20	100	100 %

31- Where you throw the waste:

Options	L.R	IL.R	IL.I	Total	%
In an open plot / space	1	1	0	2	2
Nullah Lai / Nala	37	29	19	85	85
container	1	0	0	1	1
in the street	0	0	1	1	1
to sanitary worker	11	0	0	11	11
Total	50	30	20	100	100 %

32- Do you know the hazards of waste?

Options	L.R	IL.R	IL.I	Total	%
Yes	45	23	19	87	87
No	5	7	1	13	13
Total	50	30	20	100	100 %

32 a) (if yes) what type

Options	L.R	IL.R	IL.I	Total	%
diseases	17	13	10	40	46
typhoid	4	1	1	6	7
mosquito	4	3	3	10	11
cough/fever	10	4	2	16	18
skin disease	10	2	3	15	17
Total	45	23	19	100	100 %

33- Do you know the hazards and problems of industrial waste?

Options	L.R	I.L.R	I.L.I	Total	%
Yes	1	1	0	2	2
No	49	29	20	98	98
Total	50	30	20	100	100 %

33 a) (if yes) what are the hazards

Options	L.R	IL.R	IL.I	Total	%
lung disease	1	0	0	1	50
skin disease	0	1	0	1	50
Total	1	1	0	2	100 %

34- Do you know the hazards and problems of hospital waste

Options	L.R	IL.R	IL.I	Total	%
Yes	0	0	0	0	0
No	50	30	20	100	100
Total	50	30	20	100	100%

35- Do you know the hazards and problems of construction material

Options	L.R	IL.R	IL.I	Total	%
yes	3	0	0	3	3
no	47	30	20	97	97
Total	50	30	20	100	100 %

36- Is there any container placed nearby?

Options	L.R	IL.R	IL.I	Total	%
yes	3	2	4	9	9
no	47	28	16	91	91
Total	50	30	20	100	100 %

37- Is there any waste collection services provided by the TMA/CDA

Options	L.R	I.L.R	I.L.I	Total	%
yes	5	2	5	12	12
no	45	28	15	88	88
Total	50	30	20	100	100 %

38- (If government is providing services) do you pay for it?

Options	L.R	IL.R	IL.I	Total	%
Yes	3	0	0	3	3
No	47	30	20	97	97
Total	50	30	20	100	100 %

38a) (if yes) how much (monthly) in Pak Rs.

Options	L.R	IL.R	IL.I	Total	%
Above 30 Rs.	3	0	0	3	3
20-30	0	0	0	0	0
15-20	0	0	0	0	0
10 – 15	0	0	0	0	0
Below 10	0	0	0	0	0
Total	3	0	0	3	3 %

38 b) Is it affordable for you?

Options	L.R	IL.R	IL.I	Total	%
Yes	3	0	0	3	3
No	0	0	0	0	0

39- Whether sanitary worker is coming regularly

Options	L.R	IL.R	IL.I	Total	%
Yes	3	5	0	8	8
No	47	25	20	92	92
Total	50	30	20	100	100 %

40- Do you complain for the absence of sanitary worker and secondary collection of waste to the concerned government department?

Options	L.R	I.L.R	I.L.I	Total	%
Yes	1	1	0	2	2
No	49	29	20	98	98
Total	50	30	20	100	100 %

41- Do you practice segregation of waste at hose hold level?

Options	L.R	IL.R	IL.I	Total	%
Yes	1	0	0	1	1
No	49	30	20	99	99
Total	50	30	20	100	100 %

41a) (if yes) is it useful?.

Options	L.R	IL.R	IL.I	Total	%
Yes	1	0	0	1	1
No	49	30	20	99	99
Total	50	30	20	100	100 %

42- What you do with inorganic waste?

F.S	L.R	IL.R	IL.I	Total	%
Sell it	5	4	3	12	12
Gives to sweeper	5	1	0	6	6
Throw way	40	25	17	82	82
Total	50	30	20	100	100 %

43 - (if sell) to whom

Options	L.R	IL.R	IL.I	Total	%
Kabaria ¹⁵	0	0	0	0	0
Phariwala ¹⁶	5	4	3	12	100%

44 - What is your monthly income from it (In Pak Rs.)

Options	L.R	IL.R	IL.I	Total	%
Above 300 Rs.	0	0	0	0	0
201-300	0	0	0	0	0
100-200	0	0	0	0	0
Below 100	5	4	3	12	100
Total	5	4	3	12	100%

45- Is there any waste management system developed by the community in your area?

Options	L.R	IL.R	IL.I	Total	%
yes	2	1	0	3	3
no	48	29	20	97	97
Total	50	30	20	100	100 %

46- (If yes) are you paying for that

Options	L.R	IL.R	IL.I	Total	%
yes	1	1	0	2	67
no	1	0	0	1	33
Total	2	1	0	3	100 %

46 a) (if yes) then how much (monthly – Pak Rs.)

Options	L.R	IL.R	IL.I	Total	%
Above 30 Rs.	0	0	0	0	0
26-30	1	1	0	2	67
21-25	0	0	0	0	0
10-20	0	0	0	0	0

47- Is it possible that community can establish its own private waste collection system

Options	L.R	IL.R	IL.I	Total	%
Yes	4	3	1	8	8
No	46	27	19	92	92
Total	50	30	20	100	100 %

48- How often the TMA/CDA truck comes to the area for collection of waste (secondary collection).

Options	L.R	IL.R	IL.I	Total	%
daily	1	0	7	8	8
don't know	49	30	13	92	92
Total	50	30	20	100	100 %

¹⁵ Kabaria= trader

¹⁶ Phariwala= collector

49-Where sanitary worker is dumping the waste?

Options	L.R	IL.R	IL.I	Total	%
in container	2	1	11	14	14
Lai Nullah	46	24	0	70	70
sewerage	0	0	0	0	0
don't know	2	5	9	16	16
Total	50	30	20	100	100 %

50- Is there any illegal waste dumping being practiced in your area?

Options	L.R	IL.R	IL.I	Total	%
Yes	48	26	20	94	94
No	2	4	0	6	6
Total	50	30	20	100	100 %

50 a) (if yes) by whom

Options	L.R	IL.R	IL.I	Total
H/H	50	24	20	94
Sanitary worker	47	24	0	71

51- Do you know, about any law for punishment regarding illegal dumping?

Options	L.R	IL.R	IL.I	Total	%
Yes	3	1	0	4	4
No	47	29	20	96	96
Total	50	30	20	100	100 %

51.a) (if no) Are you in favor of punishment?

Options	L.R	IL.R	IL.I	Total	%
Yes	3	1	0	4	4
No	47	29	20	92	96
Total	50	30	20	100	100 %

52 (if yes) what type of punishment

Options	L.R	IL.R	IL.I	Total	%
Penalty in cash	3	0	0	3	99
don't know	0	1	0	1	1
Total	3	1	0	4	100 %

53- Do you know the hazards of unmanaged waste water Nullah Lai / Nala

Options	L.R	IL.R	IL.I	Total	%
Yes	40	21	14	75	75
No	10	9	6	25	25
Total	50	30	20	100	100 %

53.a) (if yes) what are the type

Options	L.R	IL.R	IL.I	Total	%
fever	10	5	4	19	25
cough	6	3	5	14	19
scabies	18	8	3	29	38
hepatitis	16	5	2	14	18
Total	40	21	14	75	100 %

54- Did the community ever take any collective action to avoid the hazards of unmanaged waste water (any regular meetings etc)?

Options	L.R	IL.R	IL.I	Total	%
Yes	0	0	0	0	0
No	50	30	20	100	100
Total	50	30	20	100	100%

55- Are you reusing your kitchen waste water for irrigation/gardening?

Options	L.R	IL.R	IL.I	Total	%
yes	0	0	0	0	0
no	50	30	20	100	100
Total	50	30	20	100	100 %

56- Is there any separate bathroom (not with toilet) in your house?

Options	L.R	IL.R	IL.I	Total	%
yes	5	3	0	8	8
no	45	27	20	92	92
Total	50	30	20	100	100 %

57- Do you boil water for drinking?

Options	L.R	IL.R	IL.I	Total	%
yes	7	1	2	10	10
no	43	29	18	90	90
Total	50	30	20	100	100 %

57.a) (if yes)

Options	L.R	IL.R	IL.I	Total	%
a-frequently	1	0	0	1	10
b-occasionally	4	1	2	7	70
c-always	2	0	0	2	20
Total	7	1	2	10	100 %

58- Do you wash your hands before preparing, eating and serving the food?

Options	L.R	IL.R	IL.I	Total	%
yes	50	30	20	100	100
no	0	0	0	0	0
Total	0	0	0	0	100%

59- Did you vaccinated your family

Options	L.R	IL.R	IL.I	Total	%
yes	36	20	16	72	72
no	14	10	4	28	28
Total	50	30	20	100	100 %

59-a) If yes for which

Options	L.R	IL.R	IL.I	Total	%
polio	34	19	16	69	96
other diseases	2	1	0	3	4
Total	36	20	16	72	100 %

60- Whether any body gets contagious diseases in your family during last two years

Options	L.R	I.L.R	I.L.I	Total	%
yes	16	3	7	26	26
no	34	27	13	74	74
Total	50	30	20	100	100 %

60.a) (if yes) what kind of disease

Options	L.R	IL.R	IL.I	Total	%
Fever	15	0	0	15	58
Scabies	1	3	7	11	42
Total	16	03	07	26	100 %

61- Any hepatitis patient reported in your family during last year

Options	L.R	IL.R	IL.I	Total	%
Yes	10	1	2	13	13
No	40	29	18	87	87
Total	50	30	20	100	100 %

61.a) (if yes) how many

Options	L.R	I.L.R	I.L.I	Total	%
5	0	0	0	0	0
4	0	0	0	0	0
3	1	0	1	2	15
2	1	0	1	2	15
1	8	1	0	9	70
Total	10	1	2	13	100 %

61.b) Do they get treatment

Options	L.R	IL.R	IL.I	Total	%
Yes	10	1	02	13	100
No	0	0	0	0	0
Total	10	01	01	13	100 %

62.c) (if yes) how much amount being spent upon one client **Do not Know**

62- What was the way of treatment:

Options	L.R	IL.R	IL.I	Total	%
a- doctor	9	0	1	10	77
b- hakim	0	1	0	1	8
c- myth	1	0	1	2	15
Total	10	1	2	13	100 %

63-What were the medical expenses: (monthly in Rs.)

Options	L.R	IL.R	IL.I	Total	%
Above 500 Rs.	9	0	1	10	77
401-500	0	0	0	0	0
301-400	0	0	0	0	0
201-300	1	1	1	3	23
101-200	0	0	0	0	0
Below 100	0	0	0	0	0
Total	10	1	1	13	100 %

64- Is there any government medical facility available?

Options	L.R	IL.R	IL.I	Total	%
Yes	29	24	1	54	54
No	21	6	19	46	46
Total	50	30	20	100	100 %

64.i) (if yes) what type

Options	L.R	IL.R	IL.I	Total	%
dispensary	6	13	0	19	35
medical center	3	6	0	9	17
hospital	20	5	1	26	48
Total	29	24	1	54	100 %

65.ii) Is it affordable for you

Options	L.R	IL.R	IL.I	Total	%
Yes	29	24	1	54	100
No	0	0	0	0	0
Total	29	24	1	54	100%

65- Whether private medical facilities are available

Options	L.R	IL.R	IL.I	Total	%
yes	32	23	19	74	74
no	18	7	1	26	26
Total	50	30	20	100	100 %

65.a) (if yes) are affordable for you

Options	L.R	I.L.R	I.L.I	Total	%
yes	26	12	19	57	77
no	6	11	0	17	23
Total	32	23	19	74	100 %

66- Do you have relationship/contact with the neighbor communities?

Options	L.R	I.L.R	I.L.I	Total	%
yes	49	25	20	94	94
no	1	5	0	6	6
Total	50	30	20	100	100 %

66.i) (if yes) What type

Options	L.R	I.L.R	I.L.I	Total	%
kinship	15	16	15	46	49
social relationship	34	9	5	48	51
Total	49	25	20	94	100%

67- Are you aware of the illegal resident in your neighborhood

Options	L.R	IL.R	IL.I	Total	%
yes	9	22	20	51	51
no	41	8	0	49	49
Total	50	30	20	100	100 %

68- What were the damages during flood 2001

Options	L.R	IL.R	IL.I	Total	%
property	50	30	20	100	100
life	0	0	0	0	0
livestock	0	0	0	0	0
Total	50	30	20	100	100%

g- Approximately cost/family (Pak Rs.)

Options	L.R	IL.R	IL.I	Total	%
2 -5 lac	15	2	0	17	17
1-1.5 lac	5	5	2	12	12
50,000 to 100,000	13	8	8	29	29
20,000 to 50,000	14	14	9	37	37
Below 20,000	03	01	1	5	5
Total	50	30	20	100	100 %

69- Which evacuation steps had been taken by the government after flood

Options	L.R	IL.R	IL.I	Total	%
yes	3	1	2	6	6
no	45	29	16	90	90
food, tent and medicines supply	2	0	2	4	4
Total	50	30	20	100	100 %

70- Do you think this is the best time for a permanent solution of Lai Nullah future damage?

Options	L.R	IL.R	IL.I	Total	%
yes	49	26	20	95	95
no	1	4	0	5	5
Total	50	30	20	100	100 %

70.a) If yes what do you suggest

Options	L.R	IL.R	IL.I	Total	%
wall construction	24	6	9	39	41
increase depth	18	20	10	48	51
cover it	7	0	1	8	8
Total	49	26	20	95	100 %

71- Do you feel think there is a need of resettlement

Options	L.R	IL.R	IL.I	Total	%
yes	35	27	14	76	76
no	15	3	6	24	24
Total	50	30	20	100	100 %

71.a) (if yes) why?

Options	L.R	IL.R	IL.I	Total	%
due to the worst flood	15	10	5	30	39
extension of Nullah Lai	20	17	9	46	61
Total	35	27	14	76	100 %

72.b) (if no)

Options	L.R	I.L.R	I.L.I	Total	%
govt. is not providing proper compensation	08	02	03	13	54
people have no other place	07	01	03	11	46
Total	15	03	06	24	100 %

72- Do you want to resettle?

Options	L.R	I.L.R	I.L.I	Total	%
yes	29	19	16	64	64
no	21	11	4	36	36
Total	50	30	20	100	100 %

72.a) (If no) Why?

Options	L.R	I.L.R	I.L.I	Total	%
because of permanent place	11	08	02	21	58
people have no other place	07	02	01	10	28
business place	03	01	01	05	14
Total	21	11	4	36	100 %

73- Do you want to resettle voluntarily or have some conditions?

Options	L.R	I.L.R	I.L.I	Total	%
with conditions	50	30	20	100	100
voluntarily	0	0	0	0	0
Total	50	30	20	100	100%

73.a) (if conditions) what

Options	L.R	I.L.R	I.L.I	Total	%
a- Land	13	10	10	33	33
b- colony with basic necessities	6	5	4	15	15
c- encashment only	31	15	6	52	52
Total	50	30	20	100	100 %

74- What facilities you want from the government for resettlement?

Options	L.R	IL.R	IL.I	Total	%
proper cash compensation	39	18	12	69	69
land and cash	4	7	3	14	14
colony with all facilities	2	4	5	11	11
land & loan for construction	5	1	0	6	6
Total	50	30	20	100	100 %

75- What are your conditions/requirements for resettlement?

Options	L.R	IL.R	IL.I	Total	%
proper cash compensation	39	18	12	69	69
land and cash	4	7	3	14	14
colony with all facilities	2	4	5	11	11
land & loan for construction	5	1	0	6	6
Total	50	30	20	100	100 %

76- What are your problems for resettlement?

Options	L.R	IL.R	IL.I	Total	%
distance from work place	10	7	8	25	25
financial problems	8	8	7	23	23
reconstruction of new house	21	12	2	35	35
have no other place	11	3	3	17	17
Total	50	30	20	100	100 %

77- Do you have received any notice from the government for resettlement

Options	L.R	I.L.R	I.L.I	Total	%
yes	41	18	9	68	68
no	9	12	11	32	32
Total	50	30	20	100	100 %

78- Is there any facility offered by the government for resettlement?

Options	L.R	IL.R	IL.I	Total	%
yes	34	0	4	38	56
no	7	18	5	30	44
Total	41	18	9	68	100 %

78.a) (if yes) what are the opportunities offered

Options	L.R	IL.R	IL.I	Total	%
cash compensation	34	0	0	34	89
Land/Plot	0	0	4	4	11
Total	34	0	4	38	100 %

79- How much investment you or your family has made in your present settlement?

Do not know (100 %)

79 i) in what shape

Options	L.R	IL.R	IL.I	Total	%
in cash	24	14	11	49	49
in kind	26	16	9	51	51
Total	50	30	20	100	100%

II.2 RESULTS OF INTERVIEW SURVEY

Study for Social Environment Results of Interview Survey

A. Waste Water

1. Do you agree that there should be a proper sewerage system in the areas situated on the bank of Lai Nullah?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

2. Do you agree that the expenditure of this system should be recovered by increasing the sewerage tax?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	12	80	17	56	44	73

3. Do you agree that a project for the community mobilization for collective efforts should be launched in order to solve waste related problems in the area?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	A	%
15	100	14	93	26	86	55	91

4. Will you spare some time (minimum 2 hours a fortnightly meeting) to contribute in this activity?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	11	73	17	56	43	71

5. Do you agree that effective coordination between WASA/CDA and communities must be developed?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

6. Are you ready to form and join the community coordination committee for this purpose?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	24	80	54	90

7. Do you know that sewerage and water pipes should be distanced (water should not mixed) from each other to avoid contamination of drinking water?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Know	%	Know	%	Know	%	Know	%
15	100	15	100	30	100	60	100

8. Do you agree that extra expenses may be born by community for this system development and also for its future maintenance?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	11	73	16	53	42	70

9. Do you agree that trunk sewers should be constructed on both sides of Lai Nullah in order to intercept sewage of H/H¹ instead of discharging it directly into Lai Nullah?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

10. Do you agree that, since heavy cost would be involved for this purpose, the tax should be increased to cover the cost?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	11	73	17	56	43	71

B. Solid Waste

11. Do you agree that sanitary workers and H/H should not throw garbage/waste in Lai Nullah, sewer lines or manhole?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	26	86	56	93

12. Do you agree that a heavy fine shall be imposed on this offense, if sanitary workers or H/H throw garbage in Lai Nullah or others?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
05	33	15	100	21	70	41	68

13. Do you agree that community or you should actively participate in developing a community pressure and identifying the H/H and sanitary worker, who throw the waste in Lai Nullah, and that you should give time in monthly or fortnightly community meeting called by CBO² or government?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
06	40	10	66	22	73	38	63

14. Do you agree that the primary and secondary collection system should be properly designed by experts of solid waste management?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	12	80	30	100	57	95

15. Do you agree that the solid waste tax should be increased for proper management?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
14	93	6	40	15	50	35	58

¹ H/H= Household

² CBO= Community-based organization

16. Do you agree that sanitary workers should come to your house regularly on daily basis?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	27	90	57	95

17. Do you agree that the community should pay some incentive to the sanitary worker for collecting waste from the door, say Rs. 20-30 per month for example?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	21	70	51	85

18. Do you agree that liaison should be developed between community groups and CDA/TMA/RCB by your sparing time for taking this responsibility from community side?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
14	93	15	100	30	100	59	98

19. Are you ready to spare time for taking this responsibility from community side for developing the liaison between community groups and local government?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Ready	%	Ready	%	Ready	%	Ready	%
13	87	10	66	21	70	44	73

20. Do you agree that garbage containers should be placed according to the need and on proper places?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
14	93	15	100	22	73	51	85

21. Are you ready to place a container near your house or shop, if it would be an appropriate place?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Ready	%	Ready	%	Ready	%	Ready	%
06	40	11	73	19	63	36	60

22. Do you agree that the community should maintain the containers from damaging, scavenging or cleaning?

The community should maintain the container from damaging, scavenging or cleaning							
Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
14	93	15	100	26	86	55	91

23. Do you agree that immediate action should be taken by local government on complains if garbage is not collected on regular basis?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

24. Do you agree that the community should nominate a person to take the responsibility of informing CDA/TMA/RCB on regular basis regarding collection of waste?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	9	60	24	80	48	80

25. Do you agree that awareness and educational campaigns should be launched regarding hazardous wastes?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	29	96	59	98

26. Are you ready to spare time (minimum 3 hours a week) or to arrange community meetings etc. for taking part of these campaigns?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Ready	%	Ready	%	Ready	%	Ready	%
05	33	10	66	23	76	38	63

27. Do you agree that a program like "SWEEP³" should be started again for community collaboration?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
A	%	A	%	A	%	A	%
07	47	14	93	29	97	50	83

28. Are you ready to collaborate such a program as a volunteer or in any other capacity?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Ready	%	Ready	%	Ready	%	Ready	%
05	33	12	80	26	87	43	72

29. Do you agree that the involvement of community groups/community organizations and UC⁴ councilors regarding waste management should be increased, to cover maximum area?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	29	96	59	98

³ SWEEP= Solid Waste Management & Environment Enhancement Project. This project has been worked in Rawalpindi; but most of the Rawalpindi residents are not very much familiar with the program.

⁴ UC= Union Council

C. Flood Mitigation

30. Do you agree that the wall construction on banks of Lai Nullah should be accepted by the adjacent community for prevention of garbage dumping and encroachments?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
14	93	15	100	21	70	50	83

31. Do you agree that the deepening of Lai Nullah should be allowed by dredging the river as flood preventing or mitigation measure?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	13	86	23	76	52	86

32. Do you agree that Lai Nullah should be more widened more, though more houses would be demolished or removed?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
02	13	01	06	04	13	07	11

33. Do you agree that Lai Nullah should be covered for multi-purpose?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
14	93	14	93	27	90	55	91

34. Do you agree that roads on both sides of Lai Nullah should be constructed with the acceptance of the community?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
10	67	15	100	30	100	55	91

35. Do you agree that more houses will be demolished to get land for this purpose of road construction?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
02	13	03	20	04	13	09	15

36. Do you agree that flower bed and orchids on both sides of Lai should be planted for beautification of the area?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
06	40	15	100	30	100	51	85

37. Do you agree that the community have to take responsibility of its maintenance in future?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
02	13	15	100	30	100	47	78

38. Do you agree that developing Nala into a recreational point for the public should be considered?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
0	0	15	100	30	100	45	75

39. Do you agree that the community has to take responsibility of its maintenance in future?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
0	0	15	100	30	100	45	75

40. Do you agree that, since 60% of flood water into the Lai come from Islamabad, this water flow should be diverted to other river, i.e. Kurang?, for this some houses might also be demolished, High cost would be involved resulting in increase taxes

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
12	80	15	100	30	100	57	95

41. Do you agree that a high cost would be involved resulting in increase taxes, for this some houses might also be demolished?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
12	80	13	86	13	43	38	63

42. Do you agree that small dams should be constructed in Islamabad on technically appropriate places to save the rain water and flood mitigation in future?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

43. Do you agree that check dams should be developed as a long term measure for flood mitigation?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

D. Resettlement

44. Do you agree that government should provide alternate place/land?, People have to pay for extra cost (will people agree to pay for extra cost)

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	12	80	23	76	50	83

45. Do you agree that people would have to pay for extra cost (will people agree to pay for extra cost)?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
A	%	A	%	A	%	A	%
06	40	02	13	11	36	19	31

46. Do you agree that full cash compensation on market rates should be given to the affected families?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
04	27	15	100	30	100	49	81

47. Do you agree that a colony should be developed or land should be proposed for resettlement for the affectees with all basic facilities for the resettlement (electricity, gas, water, schools, mosque, dispensary, parks, transportation, employment opportunities nearby)?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
11	73	15	100	30	100	56	93

48. Do you agree that residents have to pay for the services in the form of taxes?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
A	%	A	%	A	%	A	%
11	73	15	100	30	100	56	93

49. Do you agree that a cell should be established at Govt. department which can verify the status of land from the stakeholders, before planning any resettlement project?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	26	86	56	93

E. Environment

50. Do you agree that the environment of the area has been deteriorated recently?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	09	60	24	80	48	80

51. Do you agree that the water quality of the Lai has been also deteriorated recently?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
02	13	05	33	20	66	27	45

52. Do you agree that the Government should take up more efforts to improve the environment of Lai Nullah and also to recover clean water?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

53. Do you agree that the community should take part with the Govt. and fulfill their responsibilities to maintain this environmental improvement in the future?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
4	27	15	100	29	96	48	80

54. Do you agree that the air quality of the area of Islamabad/Rawalpindi has been deteriorated recently due to deterioration of Lai Nullah?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
08	53	13	86	28	93	49	81

55. Do you agree that the Government should take more measures/efforts to improve the environment of Islamabad/Rawalpindi?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

56. Do you agree that the residents should take active part in the activities launched by the government as a volunteer or in any other capacity agreed upon, mutually?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

57. Do you agree that the residents should coordinate with the government departments/officials for better environment?

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	10	66	30	100	55	91

58. Do you agree that there must be a good coordination between government and residents for the improvement of environment , and that community should be ready to join these efforts of coordination.

Illegal Islamabad		Illegal Rawalpindi		Legal Rawalpindi		Total	
Agree	%	Agree	%	Agree	%	Agree	%
15	100	15	100	30	100	60	100

DATA BOOK III ECONOMIC SURVEY

(Basic Data for Sector I in Supporting Report)

III.1 RESULTS OF QUESTIONNAIRE SURVEY

ON FLOOD DAMAGE

(Residential Properties Regarding)

FORM OF QUESTIONNAIRE

Sample ID.	
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Residential Properties

QUESTIONNAIRE ON FLOOD DAMAGE:

**RESIDENTIAL PROPERTIES
REGARDING
THE STUDY ON COMPREHENSIVE FLOOD MITIGATION AND
ENVIRONMENTAL PLAN OF LAI NULLAH BASIN IN THE
ISLAMIC REPUBLIC OF PAKISTAN**

A. General Information

A1	Name of Interviewer	
A2	Date of Interview	
A3	Map Code No. of Interview Point	
A4	Name of Respondent	
A5	Address of Respondent	
A6	Occupation of Respondent	
A7	Telephone No.	

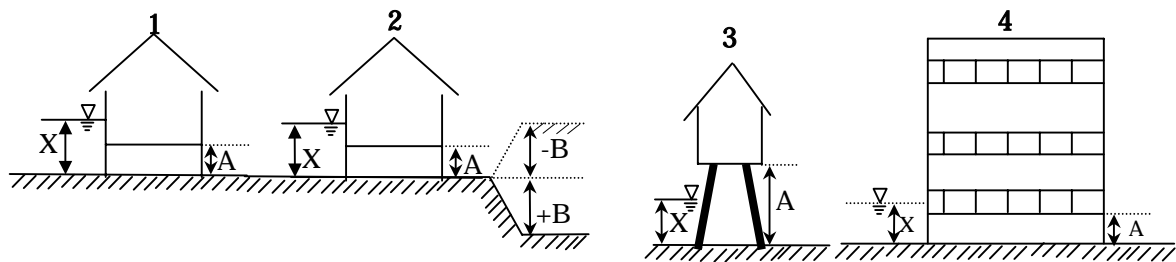
Sample ID.	
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Residential Properties

B. House and Flooding

B1	Size of residence	Sq.ft
B2	How many stories does your house have?	Stories
B3	By what material is your house's wall constructed? 1. Bamboo/straw 2. Wood 3. Tin 4. Brick 5. Cement 6. Metal 6. Others	
B4	When was your house constructed?	
B5	Type of House/building (see below)	1 2 3 4
B6	Height of the floor from the ground (A)	
B7	Height of the elevated ground (+/- B)	

Type of house building



		Flood in 2001	Flood in 1997	Flood in B8()
B9	Inundation depth (X) from the ground	B9.1	B9.2	B9.3
B10	Inundation depth on the floor	B10.1	B10.2	B10.3
B11	Days of inundation on the floor	B11.1	B11.2	B11.3

An apartment house (for those who responded "4" in B5)

B12	How many households on the 1 st floor	
B13	How many households on the 2 nd floor?	
B14	How many households in total in the apartment?	

Sample ID.	
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Residential Properties

C. Total Asset valuation

C1	Market Value of residence (do not include lot)	Rs.
C2	Replacement value of contents	Rs.

D. Damage Assessment

		Flood in 2001		Flood in 1997		Flood in ()
<u>Direct Damage</u>						
Structure						
House	D1		D2		D3	
Outbuildings	D4		D5		D6	
Other structures	D7		D8		D9	
Content						
Furniture	D10		D11		D12	
Appliances	D13		D14		D15	
Personal Belongings	D16		D17		D18	
Vehicles	D19		D20		D21	
Others (specify)						
D22	D22-1		D22-2		D22-3	
D23	D23-1		D23-2		D23-3	
D24	D24-1		D24-2		D24-3	
Cleanup (floors, etc)	D25		D26		D27	
<u>Indirect Damage</u>						
Emergency measures of evacuation.	D28		D29		D30	
Loss of income	D31		D32		D33	
Other specify						
D34	D34-1		D34-2		D34-3	
D35	D35-1		D35-2		D35-3	
D36	D36-1		D36-2		D36-3	

3. Remarks

Sample ID.	
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Residential Properties

INSTRUCTIONS

Total Asset Valuation

Market Value of residence (not including land)

Approximate value of house and outbuilding exclusive of the value of the land area on which they are located.

Replacement value of contents

Give the approximate cost to the dweller of replacing, with equivalent facilities, the furniture, appliances, and personal belongings normally contained in this home.

Indirect Damage

Emergency measures for Evacuation

Monetary valuation by Pakistan Rupee of labor, equipment, utilities, and time expended in attempting to prevent flood damages.

Loss of income

Income lost by occupant and family either to prevent flood damages or for clean-up activities, that has not been accounted for in the direct flood damage estimate above.

Other (specify)

Name other type of indirect damage which fit under the indirect damage category for this plain occupant, such as loss of refrigerated foods due to power failure, added medical costs due to flooding, added travel expenses caused by increased travel route, added living expenses because of flood damage to residence, etc.

RESULTS OF QUESTIONNAIRE

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	HOUSEHOLDTYPE	SampleID Code	SampleIDSub Code	day1	Month1	RespondentOccupation	SizeOfResidence	SizeOfPlot	CoveredArea
1	LOW	8-E	4	24	10	GOVT.WORKER	N	968	320
2	LOW	8-E	4	24	10	PAINTER	N	2800	2100
3	LOW	8-E	4	24	10	GOVERNMENT SERVANT	N	875	875
4	MIDDLE	8-E	4	24	10	BUSINESS	N	2500	5000
5	MIDDLE	8-E	4	24	10	RETIRED (A/C OFFICERS)	N	5400	4500
6	MIDDLE	8-E	4	24	10	SUPERVISOR IN CONTO MANT	N	312	240
7	HIGH	8-E	4	24	10	DEP SEC FINANCE (R)	N	175	125
8	HIGH	8-E	4	24	10	RETIRED GOVT EMPLOYEE	N	185	125
9	HIGH	8-E	4	24	10	OWNER (SERVICE STATION)	N	2400	1100
10	HIGH	8-E	4	24	10	BUSINESS	N	2000	6000
11	HIGH	8-E	4	24	10	UDC. EXCISE DIVISION	N	1152	912
12	MIDDLE	7-E	3	28	11	BUSINESS	N	2500	3770
13	MIDDLE	7-E	3	28	10	RTD.WAH CANTT FACTORY	N	3250	2800
14	MIDDLE	7-F	3	28	10	NIH TECHNICIAN SUPERVISE	N	4200	2100
15	MIDDLE	7-F	3	28	10	SHOPKEEPER	N	1800	900
16	MIDDLE	7-F	3	28	10	CLOTH MERCHANT	N	3500	1900
17	LOW	8-E	4	24	10	ELECTRICIAN	N	968	616
18	MIDDLE	8-F	1	26	10	PROPERTY DEALER	N	1152	1152
19	MIDDLE	8-F	1	26	10	GOVT SERVANT (C.D.A)	N	480	400
20	MIDDLE	8-F	1	26	10	GLASSWARE	N	875	1750
21	MIDDLE	8-F	1	26	10	HOUSE HOLD	N	900	625
22	LOW	8-F	1	26	10	TAXI DRIVER	N	875	1750
23	HIGH	8-F	3	24	10	MUSLIM COLONY ARYA MUHALL	N	3600	3600
24	LOW	8-F	4	23	10	GOVT SERVANT	N	1188	1188
25	LOW	8-F	3	23	10	SALEM EN	N	570	1140
26	LOW	8-F	3	23	10	TONGA BAAN	N	1155	4465
27	HIGH	8-F	3	23	10	RETIRED FROM PAF	N	552	552
28	MIDDLE	8-F	3	24	10	DRIVER	N	768	340
29	MIDDLE	8-F	3	24	10	SPRAY PAINTER	N	2400	2400
30	LOW	8-F	3	23	10	PSO ACCOUNTANT	N	651	210
31	LOW	8-F	3	23	10	GOVT JOB (ARMY WORKSHOP)	N	900	1800
32	HIGH	8-F	3	23	10	BUSINESS/ POLITICS	N	1152	1600
33	MIDDLE	7-G	1	24	10	BUSINESS	N	5448	5448
34	MIDDLE	7-G	1	24	10	BUSINESS	N	1620	3240
35	LOW	7-F	2	24	10	GARDENER	N	2400	2100
36	LOW	7-F	1	24	10	DAILY WAGES	N	2100	1800
37	MIDDLE	7-G	1	24	10	RAILWAY POLICE	N	4200	4200
38	MIDDLE	7-E	3	28	10	BUSINESS	N	2000	4000
39	HIGH	8-F	1	26	10	BUSINESS MAN	N	3200	2100
40	HIGH	8-F	1	26	10	PRINTING PRESS	N	1152	1152
41	LOW	9-D	2	23	10	DAILYWAGES LABOUR	N	252	113
42	LOW	9-D	2	23	10	LOCK MAKER	N	300	180
43	LOW	9-D	2	23	10	LOCK MAKER	N	300	180
44	LOW	9-D	2	23	10	HOUSE WIFE	N	120	64
45	MIDDLE	9-E	2	24	10	Rtd. ATTOCK OIL COMPANY	N	1386	2079
46	MIDDLE	9-E	2	24	10	TAYLOR	N	736	1472
47	HIGH	9-E	2	24	10	SCHOOL OWNER	N	960	875
48	HIGH	8-F	1	26	10	RETIRED (JCO) /BUSINESS	N	1152	1152
49	LOW	7-E	1	25	10	LABOUR	N	1352	786
50	LOW	7-E	1	25	10	G. SERVANT	N	968	2904
51	LOW	7-E	1	25	10	G. SERVANT	N	361	722
52	LOW	7-E	1	25	10	SCRAP BUYER	N	750	1500
53	LOW	7-E	1	25	10	LABOUROR	N	154	154
54	HIGH	6-E	2	31	10	BUSINESS	N	1500	1350
55	HIGH	6-E	2	1	11	UNEMPLOYMENT	N	1200	2400
56	HIGH	6-E	2	1	11	BUSINESS	N	800	600
57	HIGH	6-E	2	31	10	BANKER	N	1500	1200
58	MIDDLE	7-E	4	26	10	TAYLOR	N	810	720
59	MIDDLE	11-D	2	25	10	WIDOW	N	1200	2400
60	MIDDLE	11-D	2	25	10	SHOPKEEPER	N	270	335
61	HIGH	8-E	2	26	10	PROPERTY DEALER	N	1200	1800

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	HowManySto riesInHouse	MaterialOfCo nstruction	YearOfConstr uction	OccupiedByO wner	TypeOfBuildi ng	HeightOfFloor	HeightOfElev ation	DistanceOfNu llah	FloodInYear	IndundationGr ound2001	IndundationGr ound1997
1	1	4	1953	N	5	0	0	200	N	5	N
2	1	5	1936	Y	4	0.6	0	1000	N	8	N
3	1	5	1946	Y	1	0	0	300	N	6	N
4	2	5	1982	Y	2	2	0	300	N	8	N
5	1	5	1972	Y	2	6	6.6	100	N	5.6	N
6	1	5	1992	N	1	1.5	0	250	N	8.5	N
7	1	5	1978	Y	N	1	0	150	N	6	N
8	1	5	1958	Y	2	6	0	250	N	8	N
9	1	5	1982	Y	2	1	0	300	N	11	N
10	3	5	2000	Y	2	3	3	300	N	13	N
11	2	5	1987	Y	4	1.6	0	15	N	3.6	N
12	2	5	1960	Y	1	1	1	80	N	5	N
13	2	5	1980	Y	5	0	0	4	N	4	N
14	2	5	1970	Y	5	0	0	200	N	9	N
15	2	5	1982	Y	N	2	0	250	N	9	N
16	2	5	1980	Y	4	4	0	150	N	7	N
17	1	4	1970	Y	5	0	0	50	N	8	N
18	1	5	1982	Y	1	4	N	100	N	8	N
19	1	5	1983	Y	1	3.6	0	8	N	6	N
20	2	5	1970	Y	2	1.6	0	30	N	6	N
21	2	5	1970	Y	4	2.6	0	6	N	6	N
22	2	5	1960	Y	4	0	0	70	N	4	N
23	1	5	1990	Y	N	3	0	150	N	24	N
24	2	5	1970	Y	4	3	12	20	N	12	N
25	2	5	1973	Y	5	0	4	3	N	16	N
26	3	5	1980	Y	1	0	1	3	N	16.6	N
27	1	5	1960	N	2	2.6	4.6	15	N	10	N
28	2	5	1996	Y	4	336	0	150	N	23	N
29	1	5	1975	Y	1	4	0	100	N	23	N
30	2	5	1972	N	4	2	0	10	N	15	6
31	2	5	1973	N	4	2	0	10	N	14	7
32	2	5	1970	Y	4	2.6	0	110	N	18	N
33	1	5	1980	Y	3	5	5	10	N	10	N
34	2	5	1993	Y	5	0	0	10	N	3	N
35	1	5	1970	N	2	3	3	100	N	3	N
36	1	5	1993	N	1	5	0	30	N	3	N
37	1	5	1988	Y	2	3	3	20	N	1	N
38	2	5	1960	Y	1	26	26	80	N	7	4
39	1	5	1950	Y	4	4	0	200	N	8	N
40	1	5	1980	Y	4	2.6	0	2	N	7.6	4
41	1	5	1940	N	2	2.6	4	45	N	17	N
42	1	5	1940	N	2	2	0.3	50	N	17	N
43	1	5	1940	N	2	2	4	50	N	17	N
44	1	5	1940	N	2	2	4	65	N	13	N
45	2	5	1977	Y	5	0	0	200	N	20	5
46	2	5	1991	N	2	3.6	4	30	N	17	7
47	3	5	1993	Y	4	1	0	30	N	19	N
48	1	5	1975	Y	4	3	0	80	N	8	N
49	1	5	1965	Y	2	5	25	12	N	11	N
50	3	5	1995	N	4	1	0	50	N	23	N
51	2	5	1980	Y	2	2	2	10	N	17	10
52	2	5	1999	Y	2	2	2	10	N	18	N
53	1	5	1985	Y	2	0.6	0.6	3	N	15	4
54	2	5	1984	Y	4	0	3	200	N	11	N
55	2	5	1986	Y	4	6	4	100	N	5.6	N
56	1	5	1970	Y	4	1	N	250	N	6	N
57	3	5	1985	Y	4	4	0	70	N	10	N
58	1	5	1998	Y	2	2	2.6	100	N	15	N
59	2	5	1972	Y	4	6	N	50	N	4	N
60	2	5	2001	N	4	6	0	150	N	4	N
61	2	5	1981	Y	4	4	0	7	N	6.6	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	IndundationGr oundOthers	IndundationOn Floor2002	IndundationOn Floor1997	IndundationOn FloorOthers	HoursOfIndun dation2002	HoursOfIndun dation1997	HoursOfIndun dationOthers	HouseHoldsFl oor1	HouseHoldsFl oor2	HouseHoldsFl oorAll	MarketValue OfHouse
1	N	5	N	N	3	N	N	N	N	N	100000
2	N	6.5	N	N	10	N	N	N	N	N	50000
3	N	6	N	N	10	N	N	N	N	N	300000
4	N	5.6	N	N	6	N	N	1	1	2	500000
5	N	6	N	N	7	N	N	N	N	N	400000
6	N	7	N	N	12	N	N	N	N	N	200000
7	N	5	N	N	10	N	N	N	N	N	400000
8	N	7.6	N	N	8	N	N	N	N	N	300000
9	N	10	N	N	7	N	N	N	N	N	600000
10	N	9	N	N	12	N	N	1	2	3	3000000
11	N	1.6	N	N	2.1	N	N	1	N	1	1200000
12	N	4	N	N	6	N	N	1	1	2	1000000
13	N	4	N	N	5	N	N	1	N	1	500000
14	N	9	N	N	9	N	N	1	N	1	2500000
15	N	7	N	N	12	N	N	1	N	1	1500000
16	N	3	N	N	2	N	N	1	N	1	200000
17	N	8	N	N	14	N	N	N	N	N	100000
18	N	4	N	N	7	N	N	1	N	1	400000
19	N	2.6	N	N	8	N	N	N	N	N	300000
20	N	5.6	N	N	11	N	N	1	2	3	400000
21	N	3.6	N	N	7	N	N	1	1	2	700000
22	N	4	N	N	6	N	N	1	1	2	500000
23	N	21	N	N	10	N	N	N	N	N	400000
24	N	9	N	N	14	N	N	N	1	N	1400000
25	N	16	N	N	12	N	N	1	N	1	300000
26	N	15	N	N	14	N	N	N	N	N	55000
27	N	7	N	N	5	N	N	N	N	N	400000
28	N	19	N	N	24	N	N	1	N	1	200000
29	N	19	N	N	14	N	N	N	N	N	300000
30	N	13	4	N	13	4	N	N	N	N	400000
31	4	12	5	2	14	15	N	N	1	1	6000000
32	7	16	N	5	11	N	9	2	1	3	375000
33	N	10	N	N	120	N	N	N	N	N	900000
34	N	3	N	N	3	N	N	1	N	1	800000
35	N	6	N	N	48	N	N	N	N	N	300000
36	N	8	N	N	48	N	N	N	N	N	90000
37	N	4	N	N	24	N	N	N	N	N	300000
38	N	4.6	1	N	5	30	N	1	N	1	550000
39	N	4	N	N	9	N	N	N	N	N	1000000
40	N	5.6	N	N	7	2	N	N	N	N	400000
41	N	15	N	N	9	N	N	N	N	N	50000
42	N	15	N	N	9	N	N	N	N	N	60000
43	N	15	N	N	9	N	N	N	N	N	60000
44	N	11	N	N	11	N	N	N	N	N	5000
45	4	20	5	5	12	2	2	1	N	1	500000
46	N	14.6	3.6	N	10	7	N	1	N	1	1500000
47	N	18	N	N	13	N	N	2	1	3	20000
48	N	5	N	N	9	N	N	N	N	N	600000
49	N	6	N	N	1	N	N	N	N	N	400000
50	N	22	N	N	4	N	N	1	2	3	400000
51	N	15	8	N	4	2.3	N	N	N	N	150000
52	N	17	N	N	5	N	N	N	N	N	500000
53	N	15	4	N	4	2	N	N	N	N	20000
54	N	8	N	N	4	N	N	1	N	1	1000000
55	N	5	N	N	24	N	N	1	1	2	2000000
56	N	5	N	N	5	N	N	1	N	1	150000
57	N	6	N	N	5	N	N	1	1	2	3000000
58	N	13	N	N	4	N	N	N	N	N	500000
59	N	3.6	N	N	5	N	N	1	1	2	500000
60	N	3	N	N	6	N	N	1	N	1	600000
61	N	2.6	N	N	6	N	N	1	N	1	60000

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	ReplacementValueContents	DDFloodInYear	DDHouse2001	DDHouse1997	DDHouseOthers	DDOutBuildings2002	DDOutBuildings1997	DDOutBuildingsOthers	DDOthers2002	DDOthers1997	DDOthersOthers	DDCFurniture2002
1	115000	N	20000	N	N	N	N	N	N	N	N	33900
2	200000	N	6000	N	N	N	N	N	N	N	N	15000
3	100000	N	90000	N	N	N	N	N	N	N	N	12000
4	300000	N	N	N	N	N	N	N	N	N	N	N
5	100000	N	38000	N	N	2000	N	N	N	N	N	21100
6	90000	N	50000	N	N	N	N	N	N	N	N	9450
7	100000	N	20000	N	N	N	N	N	N	N	N	14000
8	100000	N	20000	N	N	N	N	N	N	N	N	53000
9	200000	N	10000	N	N	N	N	N	N	N	N	100000
10	250000	N	200000	N	N	N	N	N	N	N	N	N
11	20000	N	10000	N	N	N	N	N	2500	N	N	N
12	300000	N	10000	N	N	N	N	N	3000	N	N	75000
13	30000	N	5000	N	N	2000	N	N	N	N	N	20600
14	200000	N	20000	N	N	N	N	N	N	N	N	23500
15	1500000	N	15000	N	N	N	N	N	N	N	N	11500
16	150000	N	20000	N	N	N	N	N	N	N	N	13200
17	145000	N	3000	N	N	N	N	N	N	N	N	20000
18	75000	N	N	N	N	N	N	N	N	N	N	7800
19	50000	N	10000	N	N	N	N	N	N	N	N	1800
20	80000	N	500	N	N	N	N	N	N	N	N	1500
21	25000	N	2500	N	N	N	N	N	N	N	N	3700
22	15000	N	3000	N	N	N	N	N	N	N	N	4600
23	120000	N	N	N	N	N	N	N	N	N	N	5500
24	100000	N	15000	N	N	N	N	N	N	N	N	13900
25	50000	N	10000	N	N	N	N	N	2000	N	N	2100
26	300000	N	150000	N	N	N	N	N	N	N	N	6500
27	50000	N	500	N	N	N	N	N	N	N	N	13300
28	100000	N	6000	N	N	N	N	N	N	N	N	2600
29	N	N	4000	N	N	N	N	N	N	N	N	2200
30	10000	N	2600	N	N	N	N	N	N	N	N	6500
31	6000	N	4000	N	N	N	N	N	N	N	N	1000
32	300000	N	52000	N	N	N	N	N	N	N	N	82500
33	700000	N	400000	N	N	N	N	N	3200	2200	N	7000
34	100000	N	N	N	N	N	N	N	800	N	N	8000
35	100000	N	2000	N	N	N	N	N	N	N	N	10500
36	75000	N	4000	N	N	N	N	N	N	N	N	75000
37	30000	N	10000	N	N	N	N	N	N	N	N	4000
38	100000	N	40000	N	N	N	N	N	N	N	N	19600
39	100000	N	50000	N	N	N	N	N	N	N	N	5600
40	200000	N	40000	N	N	N	N	N	N	N	N	62000
41	9000	N	50000	N	N	2500	N	N	N	N	N	1700
42	15000	N	N	N	N	N	N	N	N	N	N	8500
43	10000	N	N	N	N	N	N	N	N	N	N	5300
44	4500	N	N	N	N	N	N	N	N	N	N	3700
45	300000	N	21000	N	N	N	N	N	1500	N	N	3200
46	45000	N	10000	N	N	N	N	N	N	N	N	13100
47	30000	N	25000	N	N	N	N	N	N	N	N	13000
48	60000	N	1300	N	N	N	N	N	N	N	N	15100
49	300000	N	150000	N	N	N	N	N	N	N	N	34300
50	200000	N	20000	N	N	N	N	N	N	N	N	23500
51	150000	N	4000	N	N	N	N	N	N	N	N	N
52	600000	N	N	N	N	N	N	N	N	N	N	50000
53	50000	N	4000	N	N	N	N	N	N	N	N	23000
54	200000	N	29000	N	N	N	N	N	N	N	N	35500
55	75000	N	15000	N	N	N	N	N	N	N	N	12000
56	150000	N	60000	N	N	N	N	N	N	N	N	49200
57	200000	N	50000	N	N	N	N	N	N	N	N	25000
58	100000	N	10000	N	N	N	N	N	100	N	N	11000
59	125000	N	N	N	N	N	N	N	N	N	N	21000
60	N	N	N	N	N	N	N	N	N	N	N	11000
61	100000	N	40000	N	N	N	N	N	N	N	N	55000

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	DDCFurniture1997	DDCFurnitureOthers	DDCApplications2002	DDCApplications1997	DDCApplicationsOthers	DDCBelongings2002	DDCBelongings1997	DDCBelongingsOthers	DDCVehicles2002	DDCVehicles1997	DDCVehiclesOthers
1	N	N	54700	N	N	20000	N	N	4000	N	N
2	N	N	N	N	N	5000	N	N	N	N	N
3	N	N	25700	N	N	6700	N	N	N	N	N
4	N	N	3600	N	N	7100	N	N	N	N	N
5	N	N	5400	N	N	25500	N	N	6800	N	N
6	N	N	26700	N	N	13600	N	N	N	N	N
7	N	N	39500	N	N	35000	N	N	N	N	N
8	N	N	N	N	N	10000	N	N	20000	N	N
9	N	N	25000	N	N	N	N	N	N	N	N
10	N	N	N	N	N	N	N	N	25000	N	N
11	N	N	N	N	N	N	N	N	N	N	N
12	N	N	48000	N	N	35000	N	N	N	N	N
13	N	N	1800	N	N	8200	N	N	N	N	N
14	N	N	78000	N	N	19000	N	N	3000	N	N
15	N	N	57200	N	N	22500	N	N	N	N	N
16	N	N	21500	N	N	106000	N	N	N	N	N
17	N	N	3400	N	N	100000	N	N	N	N	N
18	N	N	3300	N	N	19000	N	N	8000	N	N
19	N	N	20700	N	N	7000	N	N	N	N	N
20	N	N	2950	N	N	2000	N	N	N	N	N
21	N	N	5600	N	N	2500	N	N	N	N	N
22	N	N	290	N	N	N	N	N	N	N	N
23	N	N	77000	N	N	18000	N	N	N	N	N
24	N	N	18500	N	N	10000	N	N	60000	N	N
25	N	N	1630	N	N	5000	N	N	N	N	N
26	N	N	6700	N	N	20600	N	N	N	N	N
27	N	N	35100	N	N	14660	N	N	N	N	N
28	N	N	6000	N	N	50000	N	N	N	N	N
29	N	N	43700	N	N	160000	N	N	N	N	N
30	N	N	3300	N	N	N	N	N	N	N	N
31	N	N	500	N	N	N	N	N	N	N	N
32	N	N	23225	N	N	N	N	N	23000	N	N
33	20000	N	6200	73000	N	4500	200000	N	N	N	N
34	N	N	13900	N	N	18500	N	N	N	N	N
35	N	N	4000	N	N	12000	N	N	N	N	N
36	N	N	28500	N	N	21000	N	N	6000	N	N
37	N	N	23000	N	N	8000	N	N	N	N	N
38	N	N	1400	N	N	N	N	N	3500	N	N
39	N	N	48500	N	N	15000	N	N	3000	N	N
40	N	N	66700	N	N	20000	N	N	5000	N	N
41	N	N	6650	N	N	5000	N	N	N	N	N
42	N	N	9200	N	N	23500	N	N	N	N	N
43	N	N	3800	N	N	2000	N	N	N	N	N
44	N	N	3700	N	N	15000	N	N	N	N	N
45	N	N	23200	N	N	185400	N	N	N	N	N
46	N	N	3700	N	N	5000	N	N	N	N	N
47	N	N	N	N	N	7200	N	N	N	N	N
48	N	N	2500	N	N	26000	N	N	7000	N	N
49	N	N	16350	N	N	12000	N	N	2000	N	N
50	N	N	43700	N	N	61200	N	N	N	N	N
51	N	N	2500	N	N	59500	N	N	N	N	N
52	N	N	2800	N	N	14000	N	N	250	N	N
53	N	N	8000	N	N	14000	N	N	N	N	N
54	N	N	107100	N	N	37000	N	N	N	N	N
55	N	N	9290	N	N	20000	N	N	1000	N	N
56	N	N	9000	N	N	70000	N	N	N	N	N
57	N	N	78400	N	N	74800	N	N	15000	N	N
58	N	N	9800	N	N	2000	N	N	N	N	N
59	N	N	43000	N	N	N	N	N	50000	N	N
60	N	N	10000	N	N	15000	N	N	N	N	N
61	N	N	6000	N	N	15000	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	D22	DD221	DD222	DD223	D23	DD231	DD232	DD233	D24	DD241	DD242
1	N	N	N	N	N	N	N	N	N	N	N
2	FLOOR	150000	N	N	GENRAL	1500	N	N	BEDDING	1200	N
3	N	N	N	N	N	N	N	N	N	N	N
4	BEDDING	10000	N	N	UTENSILS	1100	N	N	COOKING	5000	N
5	N	N	N	N	N	N	N	N	N	N	N
6	BEDDING	3000	N	N	UTENSILS	4000	N	N	N	N	N
7	CARPET	5000	N	N	BEDDING	5000	N	N	ANIMALS	10000	N
8	BEDDING	18000	N	N	N	N	N	N	N	N	N
9	BEDDING	20000	N	N	N	N	N	N	N	N	N
10	WIRING	2500	N	N	N	N	N	N	N	N	N
11	N	N	N	N	N	N	N	N	N	N	N
12	BEDDING	20000	N	N	N	N	N	N	N	N	N
13	BEDDING	15000	N	N	KITCHEN	1000	N	N	N	N	N
14	N	N	N	N	N	N	N	N	N	N	N
15	BEDDING	10000	N	N	N	N	N	N	N	N	N
16	N	N	N	N	N	N	N	N	N	N	N
17	BLANKET	6000	N	N	QUILTS	2000	N	N	N	N	N
18	BEDDING	12000	N	N	COOKING	1000	N	N	N	N	N
19	BEDDING	5000	N	N	N	N	N	N	N	N	N
20	N	N	N	N	N	N	N	N	N	N	N
21	BEDDING	8500	N	N	UTENSILS	500	N	N	N	N	N
22	N	N	N	N	N	N	N	N	N	N	N
23	BEDDING	15000	N	N	N	N	N	N	N	N	N
24	N	N	N	N	N	N	N	N	N	N	N
25	BEDDING	6000	N	N	UTENSILS	2500	N	N	COOKING	3000	N
26	BEDDING	10000	N	N	UTENSILS	5000	N	N	COOKING	4000	N
27	COOKING	2500	N	N	BEDDING	14000	N	N	N	N	N
28	BEDDING	30000	N	N	N	N	N	N	N	N	N
29	N	N	N	N	N	N	N	N	N	N	N
30	N	N	N	N	N	N	N	N	N	N	N
31	N	N	N	N	N	N	N	N	N	N	N
32	BEDDING	30000	N	N	KITCHEN	6600	N	N	N	N	N
33	BEDDING	6000	15000	N	UTENSILS	1000	35000	N	COOKING	2000	2000
34	BEDDING	10000	N	N	N	N	N	N	COOKING	3000	N
35	DOWRY (DAUGHTER)	50000	N	N	N	N	N	N	N	N	N
36	BEDDING	10000	N	N	N	N	N	N	N	N	N
37	BEDDING	10000	N	N	N	N	N	N	N	N	N
38	BEDDING	10000	N	N	UTENSILS	N	N	N	COOKING	N	N
39	BEDDING	15000	N	N	N	N	N	N	N	N	N
40	BEDDING	30000	N	N	N	N	N	N	N	N	N
41	BEDDING	4500	N	N	COOKING	150	N	N	N	N	N
42	BEDDING	3000	N	N	N	N	N	N	N	N	N
43	BEDDING	3000	N	N	N	N	N	N	N	N	N
44	BEDDING	3000	N	N	QUILTS	3100	N	N	N	N	N
45	BEDDING	4000	N	N	UTENSILS	200	N	N	COOKING	2500	N
46	BEDDING	4000	N	N	N	N	N	N	N	N	N
47	CARPET	3000	N	N	N	N	N	N	N	N	N
48	BEDDING	6000	N	N	N	N	N	N	N	N	N
49	N	N	N	N	N	N	N	N	N	N	N
50	BEDDING	10000	N	N	N	N	N	N	N	N	N
51	BEDDING	10000	N	N	UTENSILS	3000	N	N	COOKING	2500	N
52	BEDDING	15000	N	N	UTENSILS	5000	N	N	COOKING	1000	N
53	BEDDING	5000	N	N	UTENSILS	N	N	N	COOKING	1000	N
54	BEDDING	6000	N	N	N	N	N	N	N	N	N
55	BEDDING	10000	N	N	N	N	N	N	N	N	N
56	BEDDING	10000	N	N	N	N	N	N	N	N	N
57	BEDDING	30000	N	N	CARPET	45000	N	N	N	N	N
58	BEDDING	5000	N	N	UTENSILS	1500	N	N	COOKING	5000	N
59	BEDDING	10000	N	N	N	N	N	N	N	N	N
60	BEDDING	10000	N	N	N	N	N	N	N	N	N
61	BEDDING	13000	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	DD243	DDCleanu2002	DDCleanu1997	DDCleanuOthers	IDEME2002	IDEME1997	IDEMEOthers	IDLossIncome2002	IDLossIncome1997	IDLossIncomeOthers	D34
1	N	N	N	N	N	N	N	N	N	N	N
2	N	N	N	N	N	N	N	N	N	N	N
3	N	500	N	N	N	N	N	1000	N	N	N
4	N	N	N	N	N	N	N	15000	N	N	N
5	N	200	N	N	N	N	N	N	N	N	FOOD IN FRIDGE
6	N	N	N	N	N	N	N	N	N	N	FOOD IN FRIDGE
7	N	N	N	N	N	N	N	N	N	N	N
8	N	N	N	N	N	N	N	N	N	N	N
9	N	N	N	N	N	N	N	N	N	N	N
10	N	N	N	N	N	N	N	N	N	N	N
11	N	2500	N	N	N	N	N	N	N	N	FOOD IN FRIDGE
12	N	N	N	N	N	N	N	N	N	N	N
13	N	N	N	N	N	N	N	N	N	N	FRIDGE FOOD
14	N	N	N	N	N	N	N	N	N	N	N
15	N	N	N	N	N	N	N	30000	N	N	N
16	N	500	N	N	N	N	N	16000	N	N	N
17	N	N	N	N	N	N	N	14000	N	N	N
18	N	N	N	N	N	N	N	N	N	N	LOOS P/M
19	N	150	N	N	N	N	N	1000	N	N	N
20	N	100	N	N	N	N	N	1000	N	N	FRIDGE FOOD
21	N	500	N	N	N	N	N	N	N	N	FOOD IN FRIDGE
22	N	200	N	N	N	N	N	N	N	N	MEDICATION
23	N	2000	N	N	N	N	N	N	N	N	N
24	N	N	N	N	N	N	N	N	N	N	N
25	N	200	N	N	23000	N	N	N	N	N	DISEASE
26	N	600	N	N	N	N	N	10000	N	N	HORSE DIED
27	N	500	N	N	N	N	N	N	N	N	FOOD SPOILED
28	N	N	N	N	N	N	N	N	N	N	N
29	N	N	N	N	N	N	N	N	N	N	N
30	N	N	N	N	N	N	N	N	N	N	N
31	N	N	N	N	N	N	N	N	N	N	N
32	N	1600	N	N	22000	N	N	N	N	N	FRIDGE FOOD
33	N	N	N	N	N	N	N	N	N	N	N
34	N	300	N	N	N	N	N	15000	N	N	N
35	N	N	N	N	N	N	N	N	N	N	N
36	N	N	N	N	N	N	N	N	N	N	N
37	N	N	N	N	N	N	N	N	N	N	N
38	N	N	N	N	N	N	N	N	N	N	N
39	N	1000	N	N	N	N	N	N	N	N	N
40	N	1000	N	N	N	N	N	N	N	N	N
41	N	N	N	N	N	N	N	N	N	N	MEDICATION
42	N	N	N	N	N	N	N	N	N	N	MEDICATION
43	N	N	N	N	N	N	N	N	N	N	N
44	N	N	N	N	N	N	N	N	N	N	N
45	N	4500	N	N	N	N	N	N	N	N	N
46	N	N	N	N	N	N	N	2000	N	N	N
47	N	500	N	N	N	N	N	N	N	N	N
48	N	2000	N	N	N	N	N	N	N	N	N
49	N	N	N	N	N	N	N	10000	N	N	N
50	N	N	N	N	600	N	N	N	N	N	MEDICATION
51	N	500	N	N	N	N	N	N	N	N	N
52	N	N	N	N	N	N	N	3000	N	N	N
53	N	N	N	N	N	N	N	8000	N	N	N
54	N	1000	N	N	N	N	N	N	N	N	N
55	N	1000	N	N	N	N	N	N	N	N	FOOD IN FRIDGE
56	N	N	N	N	N	N	N	N	N	N	N
57	N	10000	N	N	N	N	N	N	N	N	FOOD IN FRIDGE
58	N	1000	N	N	N	N	N	5000	N	N	MEDICATION
59	N	N	N	N	N	N	N	N	N	N	N
60	N	N	N	N	N	N	N	N	N	N	UNREST
61	N	2000	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	D341	D342	D343	D35	D351	D352	D353	D36	D361	D362	D363
1	N	N	N	N	N	N	N	N	N	N	N
2	N	N	N	N	N	N	N	N	N	N	N
3	N	N	N	N	N	N	N	N	N	N	N
4	N	N	N	N	N	N	N	N	N	N	N
5	400	N	N	N	N	N	N	N	N	N	N
6	400	N	N	MEDICATION	3000	N	N	ADD TRAVEL EXPEN	1500	N	N
7	N	N	N	N	N	N	N	N	N	N	N
8	N	N	N	N	N	N	N	N	N	N	N
9	10000	N	N	N	N	N	N	N	N	N	N
10	N	N	N	N	N	N	N	N	N	N	N
11	500	N	N	N	N	N	N	N	N	N	N
12	N	N	N	N	N	N	N	N	N	N	N
13	300	N	N	MEDICATION	200	N	N	N	N	N	N
14	N	N	N	N	N	N	N	N	N	N	N
15	N	N	N	N	N	N	N	N	N	N	N
16	N	N	N	N	N	N	N	N	N	N	N
17	N	N	N	N	N	N	N	N	N	N	N
18	13000	N	N	N	N	N	N	N	N	N	N
19	N	N	N	N	N	N	N	N	N	N	N
20	200	N	N	N	N	N	N	N	N	N	N
21	200	N	N	PICKLE	400	N	N	N	N	N	N
22	500	N	N	N	N	N	N	N	N	N	N
23	N	N	N	N	N	N	N	N	N	N	N
24	N	N	N	N	N	N	N	N	N	N	N
25	10000	N	N	N	N	N	N	N	N	N	N
26	25000	N	N	DISEASE	3000	N	N	N	N	N	N
27	700	N	N	MEDICATION	550	N	N	N	N	N	N
28	N	N	N	N	N	N	N	N	N	N	N
29	N	N	N	N	N	N	N	N	N	N	N
30	N	N	N	N	N	N	N	N	N	N	N
31	N	N	N	N	N	N	N	N	N	N	N
32	4000	N	N	MEDICATION	15000	N	N	N	N	N	N
33	N	N	N	N	N	N	N	N	N	N	N
34	N	N	N	N	N	N	N	N	N	N	N
35	N	N	N	N	N	N	N	N	N	N	N
36	N	N	N	N	N	N	N	N	N	N	N
37	N	N	N	N	N	N	N	N	N	N	N
38	N	N	N	N	N	N	N	N	N	N	N
39	N	N	N	N	N	N	N	N	N	N	N
40	N	N	N	N	N	N	N	N	N	N	N
41	1000	N	N	N	N	N	N	N	N	N	N
42	8000	N	N	UNEMPLOYMENT	25000	N	N	N	N	N	N
43	N	N	N	N	N	N	N	N	N	N	N
44	N	N	N	N	N	N	N	N	N	N	N
45	N	N	N	N	N	N	N	N	N	N	N
46	N	N	N	N	N	N	N	N	N	N	N
47	N	N	N	N	N	N	N	N	N	N	N
48	N	N	N	N	N	N	N	N	N	N	N
49	N	N	N	N	N	N	N	N	N	N	N
50	600	N	N	N	N	N	N	N	N	N	N
51	N	N	N	N	N	N	N	N	N	N	N
52	N	N	N	N	N	N	N	N	N	N	N
53	N	N	N	N	N	N	N	N	N	N	N
54	N	N	N	N	N	N	N	N	N	N	N
55	5000	N	N	N	N	N	N	N	N	N	N
56	N	N	N	N	N	N	N	N	N	N	N
57	10000	N	N	N	N	N	N	N	N	N	N
58	1000	N	N	N	N	N	N	N	N	N	N
59	N	N	N	N	N	N	N	N	N	N	N
60	50000	N	N	N	N	N	N	N	N	N	N
61	N	N	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	HOUSEHOLDTYPE	SampleID Code	SampleIDSub Code	day1	Month1	RespondentOccupation	SizeOfResidence	SizeOfPlot	CoveredArea
62	HIGH	7-F	1	25	10	SALEM EN	N	2640	1320
63	MIDDLE	7-F	1	25	10	STREET HAWKER	N	1504	1225
64	MIDDLE	7-F	1	25	10	FARRIER	N	1925	1330
65	HIGH	7-F	1	25	10	PROFESSOR	N	2700	5400
66	HIGH	7-F	1	25	10	DOCTOR	N	2600	2400
67	HIGH	7-F	1	25	10	DOCTOR	N	2400	7200
68	HIGH	7-F	1	25	10	BANKER (R)	N	2400	2100
69	MIDDLE	9-E	1	24	10	DRIVER	N	1350	450
70	LOW	11-D	2	25	10	MILK MAN	N	4500	1500
71	MIDDLE	11-D	2	25	10	TAILORING	N	1800	1050
72	MIDDLE	11-D	2	25	10	TAXI DRIVER	N	1250	1000
73	MIDDLE	11-D	2	25	10	MILK MAN	N	621	169
74	HIGH	9-G	2	28	10	COL(R)	N	1650	3300
75	HIGH	9-G	2	28	10	COL(R)	N	475	563
76	HIGH	9-G	2	28	10	COL. (R)	N	316	53
77	HIGH	9-G	2	28	10	MEMBER (DISTRICT CONSIL	N	316	263
78	HIGH	9-G	2	28	10	(R) GOVT OFFICER	N	316	563
79	HIGH	9-G	2	28	10	N	N	316	563
80	HIGH	9-G	2	24	10	RETIRED (RAILWAY)	N	316	563
81	HIGH	9-G	2	28	10	COL. (R)	N	316	563
82	LOW	7-D	4	25	10	LAB OUR	N	1675	1675
83	LOW	7-D	4	25	10	LAB OUR	N	685	685
84	LOW	7-D	4	25	10	JOB LESS	N	1848	1848
85	LOW	7-D	4	25	10	MANDI WORKER	N	968	360
86	LOW	7-D	4	25	10	JOBLESS	N	968	220
87	LOW	6-E	3	26	10	ARMY SERVANT	N	875	875
88	LOW	6-E	3	26	10	SWEEPER	N	144	288
89	LOW	6-E	3	26	10	POLICE	N	576	576
90	LOW	6-E	3	26	10	MILK MAN	N	1250	2500
91	LOW	6-E	3	26	10	LAB OUR	N	1750	3500
92	LOW	6-E	3	26	10	TAILOR	N	1250	1250
93	MIDDLE	6-E	3	26	10	OUT OF COUNTRY	N	1250	2450
94	LOW	6-E	3	30	10	TUCK SHOP	N	925	1608
95	LOW	11-D	2	25	10	TAXI DRIVER	N	1250	625
96	LOW	11-D	2	25	10	LABOUR	N	875	300
97	MIDDLE	11-D	2	25	10	GOVT. SERVANT	N	720	530
98	LOW	8-D	2	28	10	G. SERVANT	N	1056	1056
99	LOW	8-D	2	28	10	ELECTRICIAN	N	968	1968
100	LOW	8-D	2	28	10	LABOURER	N	960	960
101	LOW	8-D	2	28	10	MOTOR MACKINAC	N	968	968
102	LOW	8-D	2	28	10	MEASON	N	555	1540
103	LOW	8-D	2	28	10	BUSINESS MAN	N	1100	2200
104	LOW	8-D	2	28	10	LABOUR	N	2800	1500
105	LOW	6-E	3	26	10	LAB OUR	N	770	391
106	LOW	6-E	3	26	10	TAILOR	N	1250	900
107	LOW	8-D	2	25	10	ANIMAL REARING	N	264	144
108	LOW	8-D	2	25	10	LAB OUR	N	2500	4356
109	LOW	9-D	2	23	10	MECHANIC	N	700	700
110	LOW	9-D	2	23	10	MECHANIC	N	700	520
111	LOW	9-D	2	23	10	PAINTER	N	484	264
112	LOW	9-D	2	23	10	LABOUROR	N	540	130
113	LOW	8-D	2	25	10	RETIRED (ARMY	N	770	770
114	LOW	8-D	2	25	10	LABOUROR	N	588	588
115	LOW	6-E	4	26	10	CARPENTER	N	486	252
116	LOW	6-E	4	26	10	PHOTO GRAPHER	N	968	968
117	LOW	6-E	4	26	10	WIDOW. SON IS LABOURER	N	450	450
118	LOW	6-E	4	26	10	MASON	N	864	864
119	MIDDLE	7-F	1	24	10	RAILWAY WORKER	N	1472	4010
120	LOW	7-F	1	24	10	LABOURER	N	1296	2592
121	LOW	7-F	1	24	10	DRIVER (TAXI)	N	792	1584
122	LOW	8-D	2	28	10	WORD BOY IN HOLI FAMILY	N	3200	3200

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	HowManySto riesInHouse	MaterialOfCo nstruction	YearOfConstr uction	OccupiedByO wner	TypeOfBuildi ng	HeightOfFloor	HeightOfElev ation	DistanceOfNu llah	FloodInYear	IndundationGr ound2001	IndundationGr ound1997
62	2	5	1995	Y	4	1.6	0	200	N	8.6	N
63	1	5	1977	Y	5	0	2	3	N	25	N
64	1	5	1992	Y	2	0	5	7	N	22	N
65	2	5	1989	Y	4	2	N	350	N	9	N
66	2	5	1970	Y	4	4	0	300	N	7	N
67	3	5	1984	Y	2	1	6	200	N	18	N
68	1	5	1991	Y	2	1	6	300	N	16	N
69	1	5	1986	Y	1	4	0	150	N	24	N
70	1	5	1999	Y	1	1	0	10	N	5	N
71	1	5	1982	Y	2	1	3	5	N	5	N
72	2	5	1987	Y	2	5	0.5	5	N	7	N
73	1	5	1989	Y	1	2	0	10	1992	10	N
74	2	5	1985	Y	4	1.6	0	60	N	6	N
75	2	5	1983	Y	4	1.6	0	100	N	2.6	N
76	2	5	1983	Y	4	1	0	60	N	8	N
77	2	5	1983	Y	4	0.6	0	60	N	8	N
78	2	5	N	N	4	1	0	80	N	6	N
79	2	5	1984	Y	4	1.6	0	60	N	7	N
80	2	5	1991	Y	N	2	0	100	N	4	N
81	2	5	1982	Y	4	1	0	50	N	6	N
82	1	5	1980	Y	2	5	5	200	N	10	N
83	1	5	1970	Y	1	1	1	5	N	5.6	N
84	1	5	1995	Y	5	1.5	N	150	N	4	N
85	1	5	1940	Y	5	0	0	60	N	3	N
86	1	4	1980	Y	1	1	0	50	N	3	N
87	1	5	1985	Y	2	1	0.6	300	N	15	N
88	2	5	1980	N	5	0	0	125	N	15	N
89	1	5	N	N	4	2	2	100	N	15	N
90	2	5	1987	Y	5	0	0	200	N	15	N
91	2	5	1980	Y	5	0	0	150	N	15	N
92	1	5	1960	Y	5	0	0	50	N	15	N
93	2	5	N	Y	5	0	0	200	N	10	N
94	2	5	1970	N	2	8	0	30	N	22	N
95	1	5	1985	Y	2	1.6	3	30	N	10	N
96	1	5	1977	Y	5	0	0	10	N	12	N
97	2	5	1982	Y	1	1	0	12	N	6	N
98	1	5	N	Y	5	0	0	100	N	6.5	N
99	2	5	1990	Y	2	1.5	0	50	N	6.5	N
100	1	5	1980	Y	5	0	0	60	N	13	N
101	2	5	1992	Y	4	0	0	50	N	5	N
102	2	5	1992	Y	5	0	0	60	N	5	N
103	2	5	1985	Y	1	1.6	1	50	N	13	N
104	2	5	1986	Y	4	2.6	0	70	N	15	N
105	1	5	1988	N	5	0	0	150	N	20	N
106	2	5	1971	Y	4	1	0	150	N	17	N
107	1	5	1998	Y	2	5	3	35	N	11	N
108	2	5	1990	Y	2	2	10	5	N	8	5
109	1	5	1996	Y	2	1.9	1.9	30	N	11.9	N
110	1	5	1998	Y	2	5	5	6	N	9.6	N
111	1	4	1948	N	2	1	1.5	400	N	15	5
112	1	4	1949	Y	2	1.5	1.5	400	N	15	5
113	1	5	1990	Y	2	1.6	1.6	22	N	5	N
114	1	5	1992	Y	2	2	0.6	20	N	5.6	N
115	1	5	1999	Y	2	1.5	N	96	N	16.5	N
116	1	5	1998	Y	1	1	0	90	N	12	N
117	1	5	1997	Y	5	0	0	112	N	15	N
118	1	5	1998	Y	5	N	N	100	N	12	N
119	3	5	1970	Y	2	5	5	50	N	3	3
120	2	5	1975	Y	4	0	N	4500	N	4	4
121	2	5	1972	Y	2	5	4	4500	N	6	N
122	1	5	1989	Y	5	0	0	60	N	4.6	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	InduntationGr oundOthers	InduntationOn Floor2002	InduntationOn Floor1997	InduntationOn FloorOthers	HoursOfIndun dation2002	HoursOfIndun dation1997	HoursOfIndun dationOthers	HouseHoldsFl oor1	HouseHoldsFl oor2	HouseHoldsFl oorAll	MarketValue OfHouse
62	N	7	N	N	6	N	N	1	2	3	100000
63	N	23	N	N	7	N	N	N	N	N	200000
64	N	17	N	N	8	N	N	N	N	N	300000
65	N	7	N	N	6	N	N	1	N	1	800000
66	N	3	N	N	9	N	N	1	1	2	1500000
67	N	18	N	N	10	N	N	2	1	3	800000
68	N	17	N	N	9	N	N	N	N	N	600000
69	N	20	N	N	10	N	N	N	N	N	300000
70	N	4	N	N	8	N	N	N	N	N	300000
71	N	6	N	N	3	N	N	N	N	N	350000
72	N	7.5	N	N	6	N	N	N	N	N	500000
73	4	8	N	4	2	N	0.3	N	N	N	100000
74	N	4.6	N	N	7	N	N	1	N	1	1000000
75	N	0.6	N	N	4	N	N	1	N	1	1000000
76	N	6	N	N	7	N	N	1	N	1	1000000
77	N	7.6	N	N	7	N	N	1	1	2	1200000
78	N	5	N	N	7	N	N	N	N	N	1200000
79	N	5.6	N	N	7	N	N	1	N	1	1000000
80	N	2	N	N	6	N	N	1	1	2	600000
81	N	5	N	N	7	N	N	1	N	1	1000000
82	N	0	N	N	8	N	N	N	N	N	300000
83	N	436	N	N	3	N	N	N	N	N	20000
84	N	12	N	N	4	2	N	N	1	1	1600000
85	N	3	N	N	3	N	N	N	N	N	300000
86	N	3	N	N	1	N	N	N	N	N	300000
87	N	15	N	N	4	N	N	N	N	N	100000
88	N	15	N	N	5	N	N	N	1	1	150000
89	N	13	N	N	6	N	N	N	2	2	2000000
90	N	15	N	N	4	N	N	1	N	1	300000
91	N	15	N	N	5	N	N	1	1	2	100000
92	N	13	N	N	4	N	N	1	1	2	500000
93	N	10	N	N	5	N	N	1	N	1	200000
94	N	14	N	N	5	N	N	N	N	N	2000000
95	N	11	N	N	24	N	N	N	N	N	200000
96	N	12	N	N	12	N	N	N	N	N	120000
97	4	5	N	3	2	N	0.3	1	N	1	150000
98	N	6.5	N	N	6	N	N	N	N	N	500000
99	N	5	N	N	2	N	N	1	1	2	200000
100	N	13	N	N	6	N	N	N	N	N	80000
101	N	5	N	N	2	N	N	1	1	2	400000
102	N	5	N	N	2	N	N	N	1	1	200000
103	N	12	N	N	7	N	N	N	N	N	100000
104	N	17.6	N	N	5	N	N	1	N	1	800000
105	N	20	N	N	6	N	N	1	N	1	100000
106	N	16	N	N	6	N	N	1	1	2	1500000
107	N	6	N	N	3	N	N	N	N	N	80000
108	N	6	3	N	2	N	N	N	N	N	300000
109	N	10	N	N	8	N	N	N	N	N	7000
110	N	9.3	N	N	8	N	N	N	N	N	70000
111	1	13.5	N	N	12	6	N	N	N	N	100000
112	2	13.5	N	N	15	5	N	N	N	N	100000
113	N	6.6	N	N	4	N	N	N	N	N	300000
114	N	4	N	N	2	N	N	N	N	N	50000
115	N	14	N	N	6	N	N	N	N	N	300000
116	N	11	N	N	3	N	N	N	N	N	400000
117	N	15	N	N	6	N	N	1	N	1	500000
118	N	12	N	N	4	N	N	1	N	1	700000
119	N	8	8	N	14	12	N	N	1	1	1500000
120	N	3	3	N	12	2	N	1	N	1	200000
121	N	11	N	N	12	N	N	N	N	N	1200000
122	N	4.6	N	N	2	N	N	N	1	1	400000

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	ReplacementValueContents	DDFloodInYear	DDHouse2001	DDHouse1997	DDHouseOthers	DDOutBuildings2002	DDOutBuildings1997	DDOutBuildingsOthers	DDOthers2002	DDOthers1997	DDOthersOthers	DDCFurniture2002
62	50000	N	100000	N	N	N	N	N	N	N	N	38000
63	150000	N	N	N	N	100000	N	N	80000	N	N	15800
64	150000	N	80000	N	N	N	N	N	N	N	N	11600
65	100000	N	N	N	N	N	N	N	N	N	N	8000
66	370000	N	N	N	N	N	N	N	N	N	N	N
67	150000	N	N	N	N	N	N	N	N	N	N	12700
68	175000	N	80000	N	N	N	N	N	N	N	N	54000
69	100000	N	4000	N	N	N	N	N	N	N	N	7500
70	50000	N	N	N	N	N	N	N	N	N	N	15000
71	30000	N	3500	N	N	22000	N	N	N	N	N	N
72	100000	N	20000	N	N	N	N	N	N	N	N	27000
73	13000	N	N	N	N	5000	N	1000	N	N	N	2000
74	100000	N	30000	N	N	N	N	N	N	N	N	15000
75	12000	N	N	N	N	N	N	N	N	N	N	50000
76	125000	N	70000	N	N	N	N	N	N	N	N	100000
77	2000000	N	N	N	N	N	N	N	N	N	N	N
78	2000000	N	N	N	N	N	N	N	N	N	N	N
79	100000	N	20000	N	N	N	N	N	N	N	N	20000
80	7000	N	6000	N	N	N	N	N	N	N	N	4000
81	35000	N	30000	N	N	N	N	N	N	N	N	12000
82	1100000	N	20000	N	N	N	N	N	N	N	N	50000
83	80000	N	15000	N	N	N	N	N	N	N	N	400
84	100000	N	50000	N	N	N	N	N	N	N	N	24500
85	30000	N	N	N	N	N	N	N	N	N	N	7000
86	40000	N	10000	N	N	N	N	N	N	N	N	700
87	100000	N	8000	N	N	N	N	N	N	N	N	12600
88	100000	N	N	N	N	N	N	N	N	N	N	2400
89	100000	N	N	N	N	N	N	N	N	N	N	N
90	2500000	N	5000	N	N	N	N	N	5000	N	N	41400
91	110000	N	10000	N	N	N	N	N	N	N	N	13900
92	150000	N	15000	N	N	N	N	N	2500	N	N	6400
93	200000	N	25000	N	N	N	N	N	N	N	N	25000
94	35000	N	N	N	N	N	N	N	N	N	N	7000
95	60000	N	4000	N	N	1500	N	N	N	N	N	18200
96	32500	N	2000	N	N	5000	N	N	N	N	N	2600
97	20000	1992	3000	N	N	12000	N	8000	N	N	N	N
98	40000	N	N	N	N	N	N	N	N	N	N	9300
99	70000	N	N	N	N	N	N	N	N	N	N	7000
100	40000	N	10000	N	N	N	N	N	N	N	N	3000
101	80000	N	20000	N	N	N	N	N	N	N	N	7000
102	70000	N	30000	N	N	N	N	N	N	N	N	3800
103	30000	N	20000	N	N	N	N	N	3000	N	N	41500
104	50000	N	15000	N	N	N	N	N	N	N	N	20000
105	30000	N	5000	N	N	N	N	N	N	N	N	4600
106	60000	N	30000	N	N	N	N	N	N	N	N	2600
107	20000	N	5500	N	N	N	N	N	N	N	N	2300
108	50000	N	12000	N	N	N	N	N	N	N	N	17000
109	125000	N	70000	N	N	N	N	N	N	N	N	2750
110	35000	N	N	N	N	10000	N	N	800	N	N	300
111	80000	N	12000	N	N	N	N	N	N	N	N	10300
112	100000	N	40000	N	N	N	N	N	N	N	N	3500
113	50000	N	N	N	N	N	N	N	2000	N	N	3400
114	100000	N	18000	N	N	N	N	N	N	N	N	2000
115	40000	N	300	N	N	N	N	N	N	N	N	22400
116	50000	N	5000	N	N	N	N	N	N	N	N	11700
117	50000	N	N	N	N	N	N	N	N	N	N	4000
118	75000	N	10000	N	N	N	N	N	N	N	N	8600
119	75000	N	850	N	N	6000	N	N	N	N	N	59000
120	70000	N	30000	N	N	N	N	N	N	N	N	N
121	55000	N	N	N	N	N	N	N	N	N	N	N
122	100000	N	30000	N	N	N	N	N	N	N	N	25000

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	DDCFurniture1997	DDCFurnitureOthers	DDCApplications2002	DDCApplications1997	DDCApplicationsOthers	DDCBelongings2002	DDCBelongings1997	DDCBelongingsOthers	DDCVehicles2002	DDCVehicles1997	DDCVehiclesOthers
62	N	N	69700	N	N	15000	N	N	4000	N	N
63	N	N	10550	N	N	11500	N	N	N	N	N
64	N	N	38100	N	N	35000	N	N	N	N	N
65	N	N	13300	N	N	25000	N	N	8000	N	N
66	N	N	N	N	N	N	N	N	N	N	N
67	N	N	28700	N	N	15000	N	N	21000	N	N
68	N	N	74500	N	N	17600	N	N	4000	N	N
69	N	N	10700	N	N	35000	N	N	N	N	N
70	N	N	3000	N	N	10000	N	N	10000	N	N
71	N	N	N	N	N	N	N	N	N	N	N
72	N	15000	16500	N	3000	16100	N	N	N	N	N
73	N	N	2350	N	N	15700	N	N	N	N	N
74	N	N	28000	N	N	17000	N	N	15000	N	N
75	N	N	6000	N	N	N	N	N	N	N	N
76	N	N	N	N	N	25000	N	N	N	N	N
77	N	N	N	N	N	N	N	N	N	N	N
78	N	N	N	N	N	N	N	N	N	N	N
79	N	N	N	N	N	60000	N	N	12000	N	N
80	N	N	1000	N	N	N	N	N	N	N	N
81	N	N	N	N	N	N	N	N	18000	N	N
82	N	N	N	N	N	N	N	N	N	N	N
83	N	N	N	N	N	7000	N	N	N	N	N
84	N	N	14400	N	N	5000	N	N	N	N	N
85	N	N	1100	N	N	10000	N	N	N	N	N
86	N	N	1500	N	N	1000	N	N	N	N	N
87	N	N	22400	N	N	19600	N	N	3600	N	N
88	N	N	19500	N	N	11200	N	N	N	N	N
89	N	N	32100	N	N	18000	N	N	N	N	N
90	N	N	62500	N	N	72000	N	N	N	N	N
91	N	N	26600	N	N	14200	N	N	N	N	N
92	N	N	21000	N	N	25000	N	N	3000	N	N
93	N	N	21900	N	N	27000	N	N	N	N	N
94	N	N	5600	N	N	20000	N	N	N	N	N
95	N	N	11500	N	N	6000	N	N	N	N	N
96	N	N	3500	N	N	10900	N	N	N	N	N
97	N	2000	6000	N	3000	N	N	N	8200	N	N
98	N	N	5600	N	N	4000	N	N	N	N	N
99	N	N	18000	N	N	17500	N	N	5000	N	N
100	N	N	5500	N	N	8500	N	N	N	N	N
101	N	N	11200	N	N	16000	N	N	N	N	N
102	N	N	2800	N	N	19000	N	N	N	N	N
103	N	N	57900	N	N	3000	N	N	N	N	N
104	N	N	7650	N	N	5000	N	N	N	N	N
105	N	N	3100	N	N	9800	N	N	N	N	N
106	N	N	7600	N	N	8000	N	N	N	N	N
107	N	N	2520	N	N	7600	N	N	N	N	N
108	N	N	7150	N	N	12000	N	N	N	N	N
109	N	N	3650	N	N	2500	N	N	N	N	N
110	N	N	2900	N	N	82500	N	N	N	N	N
111	N	N	12850	N	N	15000	N	N	N	N	N
112	N	N	5800	N	N	61000	N	N	1800	N	N
113	N	N	700	N	N	4000	N	N	3000	N	N
114	N	N	900	N	N	1500	N	N	3000	N	N
115	N	N	4500	N	N	17050	N	N	N	N	N
116	N	N	9800	N	N	24000	N	N	N	N	N
117	N	N	2400	N	N	41500	N	N	N	N	N
118	N	N	13300	N	N	37000	N	N	5000	N	N
119	N	N	5000	N	N	N	N	N	4000	N	N
120	N	N	N	N	N	8000	N	N	N	N	N
121	N	N	1500	N	N	N	N	N	N	N	N
122	N	N	22000	N	N	15000	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	D22	DD221	DD222	DD223	D23	DD231	DD232	DD233	D24	DD241	DD242
62	N	N	N	N	N	N	N	N	N	N	N
63	BEDDING	10000	N	N	UTENSILS	10000	N	N	ANIMALS	100000	N
64	ANIMALS	20000	N	N	UTENSILS	8000	N	N	BEDDING	2500	N
65	BEDDING	20000	N	N	N	N	N	N	N	N	N
66	CARPET	20000	N	N	N	N	N	N	N	N	N
67	FANCY BIRDS	20000	N	N	BUFLOW	30000	N	N	BEDDING	15000	N
68	BEDDING	17000	N	N	N	N	N	N	N	N	N
69	BEDDING	30000	N	N	N	N	N	N	N	N	N
70	BEDDING	6000	N	N	N	N	N	N	N	N	N
71	N	N	N	N	N	N	N	N	N	N	N
72	BEDDING	10000	N	2000	UTENSILS	4500	N	1500	N	N	N
73	BEDDING	4000	N	N	ANIMALS	N	N	5000	N	N	N
74	BEDDING	10000	N	N	N	N	N	N	N	N	N
75	N	N	N	N	N	N	N	N	N	N	N
76	N	N	N	N	N	N	N	N	N	N	N
77	N	N	N	N	N	N	N	N	N	N	N
78	N	N	N	N	N	N	N	N	N	N	N
79	N	N	N	N	N	N	N	N	N	N	N
80	N	N	N	N	N	N	N	N	N	N	N
81	N	N	N	N	N	N	N	N	N	N	N
82	BEDDING	10000	N	N	N	N	N	N	N	N	N
83	BEDDING	5000	N	N	UTENSILS	500	N	N	COOKING	2000	N
84	N	N	N	N	N	N	N	N	N	N	N
85	N	N	N	N	N	N	N	N	N	N	N
86	N	N	N	N	N	N	N	N	N	N	N
87	BEDDING	5000	N	N	UTENSILS	1000	N	N	COOKING	700	N
88	BEDDING	5000	N	N	UTENSILS	1000	N	N	COOKING	2000	N
89	BEDDING	2000	N	N	UTENSILS	2000	N	N	COOKING	2000	N
90	BEDDING	20000	N	N	UTENSILS	10000	N	N	N	N	N
91	BEDDING	4000	N	N	UTENSILS	3000	N	N	COOKING	1500	N
92	BEDDING	10000	N	N	UTENSILS	4000	N	N	COOKING	3000	N
93	N	N	N	N	N	N	N	N	N	N	N
94	N	N	N	N	N	N	N	N	N	N	N
95	BEDDING	5000	N	N	UTENSILS	3000	N	N	ANIMALS	6000	N
96	BEDDING	2000	N	N	UTENSILS	400	N	N	ANIMALS	4000	N
97	N	N	N	2000	N	N	N	1500	N	N	N
98	BEDDING	20000	N	N	N	N	N	N	N	N	N
99	4 GOATS	8000	N	N	BEDDING	5000	N	N	N	N	N
100	BEDDING	5000	N	N	N	N	N	N	N	N	N
101	BEDDING	2000	N	N	UTENSILS	5000	N	N	N	N	N
102	BEDDING	2000	N	N	N	N	N	N	N	N	N
103	BEDDING	20000	N	N	COOKING	2000	N	N	UTENSILS	10000	N
104	BEDDING	10000	N	N	UTENSILS	1000	N	N	N	N	N
105	BEDDING	4000	N	N	N	N	N	N	N	N	N
106	N	N	N	N	N	N	N	N	N	N	N
107	N	N	N	N	N	N	N	N	N	N	N
108	N	N	N	N	N	N	N	N	N	N	N
109	BEDDING	2000	N	N	UTENSILS	1000	N	N	COOKING	1500	N
110	BEDDING	300	N	N	UTENSILS	700	N	N	COOKING	1500	N
111	N	N	N	N	N	N	N	N	N	N	N
112	N	N	N	N	N	N	N	N	N	N	N
113	N	N	N	N	N	N	N	N	N	N	N
114	BEDDING	3000	N	N	UTENSILS	1000	N	N	COOKING	2000	N
115	N	N	N	N	N	N	N	N	N	N	N
116	N	N	N	N	N	N	N	N	N	N	N
117	N	N	N	N	N	N	N	N	N	N	N
118	N	N	N	N	N	N	N	N	N	N	N
119	N	N	N	N	N	N	N	N	N	N	N
120	BEDDING	25000	N	N	N	N	N	N	N	N	N
121	BEDDING	1000	N	N	N	N	N	N	N	N	N
122	BEDDING	10000	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	DD243	DDCleanup2002	DDCleanup1997	DDCleanupOthers	IDEME2002	IDEME1997	IDEMEOthers	IDLossIncome2002	IDLossIncome1997	IDLossIncomeOthers	D34
62	N	1000	N	N	N	N	N	4000	N	N	FOOD IN FRIDGE
63	N	N	N	N	N	N	N	25000	N	N	MEDICATION
64	N	8000	N	N	2000	N	N	25000	N	N	FOOD IN FRIDGE
65	N	N	N	N	N	N	N	N	N	N	N
66	N	N	N	N	N	N	N	N	N	N	LABORATORY
67	N	N	N	N	N	N	N	N	N	N	N
68	N	N	N	N	N	N	N	N	N	N	N
69	N	N	N	N	N	N	N	N	N	N	N
70	N	N	N	N	N	N	N	N	N	N	N
71	N	250	N	N	N	N	N	N	N	N	N
72	N	1000	N	500	N	N	N	5000	N	1500	FOOD IN FRIDGE
73	N	N	N	N	N	N	N	600	N	N	MEDICATION
74	N	1500	N	N	N	N	N	N	N	N	MEDICATION
75	N	N	N	N	N	N	N	N	N	N	N
76	N	N	N	N	N	N	N	N	N	N	N
77	N	N	N	N	N	N	N	N	N	N	N
78	N	N	N	N	N	N	N	N	N	N	N
79	N	N	N	N	N	N	N	N	N	N	N
80	N	N	N	N	N	N	N	N	N	N	N
81	N	N	N	N	N	N	N	N	N	N	N
82	N	500	N	N	N	N	N	N	N	N	N
83	N	100	N	N	N	N	N	7000	N	N	N
84	N	3000	N	N	N	N	N	40000	N	N	BEDDING
85	N	N	N	N	N	N	N	1000	N	N	BEDDING
86	N	N	N	N	N	N	N	N	N	N	N
87	N	N	N	N	N	N	N	N	N	N	DISEASE
88	N	N	N	N	N	N	N	N	N	N	DISEASE
89	N	150	N	N	N	N	N	N	N	N	MEDICATION
90	N	N	N	N	N	N	N	15000	N	N	N
91	N	N	N	N	N	N	N	N	N	N	N
92	N	N	N	N	N	N	N	7000	N	N	DISEASE
93	N	200	N	N	N	N	N	N	N	N	N
94	N	N	N	N	N	N	N	2500	N	N	N
95	N	600	N	N	N	N	N	N	N	N	MEDICATION
96	N	300	N	N	N	N	N	10000	N	N	MEDICATION
97	N	N	N	N	N	N	N	N	N	N	N
98	N	300	N	N	N	N	N	N	N	N	N
99	N	N	N	N	N	N	N	10000	N	N	N
100	N	N	N	N	N	N	N	N	N	N	N
101	N	N	N	N	N	N	N	13000	N	N	N
102	N	N	N	N	6000	N	N	N	N	N	N
103	N	2000	N	N	N	N	N	10000	N	N	N
104	N	2000	N	N	N	N	N	1000	N	N	MEDICATION
105	N	N	N	N	1600	N	N	2000	N	N	N
106	N	N	N	N	N	N	N	8000	N	N	N
107	N	N	N	N	N	N	N	2000	N	N	N
108	N	N	N	N	N	N	N	N	N	N	N
109	N	N	N	N	N	N	N	3000	N	N	N
110	N	N	N	N	N	N	N	2000	N	N	N
111	N	N	N	N	N	N	N	25000	N	N	N
112	N	500	N	N	N	N	N	4000	N	N	N
113	N	N	N	N	N	N	N	N	N	N	N
114	N	200	N	N	N	N	N	12000	N	N	MEDICATION
115	N	N	N	N	N	N	N	N	N	N	N
116	N	N	N	N	N	N	N	10000	N	N	N
117	N	N	N	N	N	N	N	1500	N	N	N
118	N	N	N	N	N	N	N	4500	N	N	MEDICATION
119	N	N	N	N	N	N	N	N	N	N	N
120	N	N	N	N	N	N	N	1200	N	N	N
121	N	1200	N	N	N	N	N	1500	N	N	N
122	N	600	N	N	7000	N	N	20000	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	D341	D342	D343	D35	D351	D352	D353	D36	D361	D362	D363
62	300	N	N	N	N	N	N	N	N	N	N
63	2000	N	N	N	N	N	N	N	N	N	N
64	200	N	N	N	N	N	N	N	N	N	N
65	N	N	N	N	N	N	N	N	N	N	N
66	350000	N	N	N	N	N	N	N	N	N	N
67	N	N	N	N	N	N	N	N	N	N	N
68	N	N	N	N	N	N	N	N	N	N	N
69	N	N	N	N	N	N	N	N	N	N	N
70	N	N	N	N	N	N	N	N	N	N	N
71	N	N	N	N	N	N	N	N	N	N	N
72	200	N	N	N	N	N	N	N	N	N	N
73	700	N	N	N	N	N	N	N	N	N	N
74	1000	N	N	N	N	N	N	N	N	N	N
75	N	N	N	N	N	N	N	N	N	N	N
76	N	N	N	N	N	N	N	N	N	N	N
77	N	N	N	N	N	N	N	N	N	N	N
78	N	N	N	N	N	N	N	N	N	N	N
79	N	N	N	N	N	N	N	N	N	N	N
80	N	N	N	N	N	N	N	N	N	N	N
81	N	N	N	N	N	N	N	N	N	N	N
82	N	N	N	N	N	N	N	N	N	N	N
83	N	N	N	N	N	N	N	N	N	N	N
84	8000	N	N	MEDICATION	1500	N	N	N	N	N	N
85	5000	N	N	N	N	N	N	N	N	N	N
86	N	N	N	N	N	N	N	N	N	N	N
87	1000	N	N	N	N	N	N	N	N	N	N
88	5000	N	N	N	N	N	N	N	N	N	N
89	5000	N	N	N	N	N	N	N	N	N	N
90	N	N	N	N	N	N	N	N	N	N	N
91	N	N	N	N	N	N	N	N	N	N	N
92	4000	N	N	N	N	N	N	N	N	N	N
93	N	N	N	N	N	N	N	N	N	N	N
94	N	N	N	N	N	N	N	N	N	N	N
95	1500	N	N	N	N	N	N	N	N	N	N
96	500	N	N	N	N	N	N	N	N	N	N
97	N	N	N	N	N	N	N	N	N	N	N
98	N	N	N	N	N	N	N	N	N	N	N
99	N	N	N	N	N	N	N	N	N	N	N
100	N	N	N	N	N	N	N	N	N	N	N
101	N	N	N	N	N	N	N	N	N	N	N
102	N	N	N	N	N	N	N	N	N	N	N
103	N	N	N	N	N	N	N	N	N	N	N
104	1000	N	N	FOOD	800	N	N	N	N	N	N
105	N	N	N	N	N	N	N	N	N	N	N
106	N	N	N	N	N	N	N	N	N	N	N
107	N	N	N	N	N	N	N	N	N	N	N
108	N	N	N	N	N	N	N	N	N	N	N
109	N	N	N	N	N	N	N	N	N	N	N
110	N	N	N	N	N	N	N	N	N	N	N
111	N	N	N	N	N	N	N	N	N	N	N
112	N	N	N	N	N	N	N	N	N	N	N
113	N	N	N	N	N	N	N	N	N	N	N
114	1000	N	N	N	N	N	N	N	N	N	N
115	N	N	N	N	N	N	N	N	N	N	N
116	N	N	N	N	N	N	N	N	N	N	N
117	N	N	N	N	N	N	N	N	N	N	N
118	1000	N	N	N	N	N	N	N	N	N	N
119	N	N	N	N	N	N	N	N	N	N	N
120	N	N	N	N	N	N	N	N	N	N	N
121	N	N	N	N	N	N	N	N	N	N	N
122	N	N	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	HOUSEHOLDTYPE	SampleID Code	SampleIDSub Code	day1	Month1	RespondentOccupation	SizeOfResidence	SizeOfPlot	CoveredArea
123	LOW	8-D	2	28	10	LAB OUR	N	1000	1000
124	LOW	8-D	2	28	10	MILK MAN	N	900	900
125	LOW	8-D	2	28	10	PRINTING PRESS	N	875	1750
126	LOW	8-D	2	28	10	LAB OUR	N	900	900
127	LOW	9-D	2	23	10	BLACK SMITH	N	250	80
128	LOW	2-E	4	30	10	CLEANER	N	576	144
129	LOW	2-E	4	30	10	SWEEPER	N	300	250
130	LOW	2-E	4	30	10	SWEEPER	N	225	100
131	LOW	3-E	3	29	10	SWEEPER	N	180	180
132	LOW	3-E	3	29	10	CDA. GARDENAR	N	500	350
133	LOW	3-E	3	29	10	DRIVER	N	950	850
134	LOW	2-E	4	30	10	SWEEPER	N	865	865
135	LOW	2-E	4	30	10	SWEEPER	N	400	400
136	LOW	2-E	4	30	10	WIDOW. SON IS LABOURER	N	600	216
137	LOW	3-E	3	29	10	CDA WORKER	N	360	360
138	LOW	3-E	3	29	10	SWEEPER	N	360	360
139	LOW	3-E	3	29	11	SWEEPER	N	288	288
140	LOW	3-E	3	29	10	DAILYWAGES	N	315	274
141	LOW	3-E	3	29	10	CDA	N	968	468
142	LOW	3-E	3	29	10	CDA	N	528	360
143	LOW	3-E	3	30	10	SWEEPER	N	528	528
144	LOW	3-E	3	29	10	SWEEPER	N	450	450
145	LOW	3-E	3	29	10	GARDENAR	N	800	500
146	LOW	3-E	3	29	10	SWEEPER	N	625	625
147	MIDDLE	3-E	3	29	10	RETIRED FROM CDA	N	360	290
148	LOW	3-E	3	29	10	CLEANER	N	572	357
149	LOW	3-E	3	29	10	UNEMPLOYMENT	N	812	750
150	LOW	3-E	3	29	10	DAILYWAGES	N	550	450
151	LOW	3-E	3	29	10	PRIVATE SERVANT	N	992	992
152	MIDDLE	6-E	4	31	10	PROFESSOR	N	1500	1350
153	HIGH	6-E	4	31	10	DOCTOR	N	1500	1350
154	MIDDLE	4-D	4	30	10	TEACHER	N	274	274
155	MIDDLE	4-D	4	30	10	G. SERVANT	N	800	800
156	MIDDLE	6-E	4	1	11	RETIRED AIR FORCE	N	1000	600
157	MIDDLE	6-E	4	1	11	RETIRED FROM AMERICAN EM.	N	1875	1500
158	MIDDLE	6-E	4	1	11	G. SERVANT	N	1000	700
159	MIDDLE	6-E	4	1	11	BUSINESS	N	800	600
160	MIDDLE	6-E	4	1	11	BANKER	N	1000	700

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	HowManySto riesInHouse	MaterialOfCo nstruction	YearOfConstr uction	OccupiedByO wner	TypeOfBuildi ng	HeightOfFloor	HeightOfElev ation	DistanceOfNu llah	FloodInYear	IndundationGr ound2001	IndundationGr ound1997
123	1	5	1992	N	1	1	0	30	N	9	N
124	1	5	1990	Y	2	2	2	18	N	15	N
125	2	5	1980	Y	2	2	2	90	N	5	N
126	1	5	N	N	2	2	3	3	N	15	N
127	1	5	1940	N	2	2	4	70	N	8	N
128	1	4	1999	Y	2	1	N	10	N	6	N
129	1	5	1989	N	N	N	2	5	N	3	N
130	1	5	1988	Y	4	N	N	5	N	5	N
131	1	5	2001	Y	5	6	N	10	N	6	N
132	1	5	2001	Y	2	N	3	15	N	5	N
133	N	5	1980	Y	N	N	4	10	N	4	N
134	1	5	1985	Y	5	0	0	4	N	5	N
135	1	5	1995	Y	2	1.6	1.6	10	N	7	N
136	1	4	1995	Y	2	1	4	3	N	6	5
137	1	4	1979	Y	2	7	7	5	N	5	5
138	1	5	1985	Y	1	0.6	0.6	N	N	6	N
139	1	5	1970	N	5	N	N	120	N	4	6
140	1	5	N	Y	2	N	10	30	1978	10	N
141	1	5	1969	Y	5	N	N	40	1977	6	N
142	N	5	1980	Y	5	N	N	20	N	6	N
143	1	5	1990	N	N	1	N	12	1992	9	N
144	1	5	1992	Y	5	N	N	12	1992	12	N
145	N	5	1987	Y	5	6	N	N	N	8	N
146	1	5	1996	Y	5	0	N	6	N	4	N
147	1	5	1982	Y	2	6	N	16	N	4	N
148	1	4	1980	Y	2	7	N	5	N	5	5
149	1	4	1984	Y	2	N	1	14	1992	4	N
150	1	5	1996	Y	N	N	4	15	N	4	N
151	1	5	1988	Y	2	2	2	10	N	7	5
152	1	5	1991	N	2	N	3	150	N	5	N
153	1	5	1989	Y	N	6	N	60	N	3	N
154	1	5	N	N	2	N	4	10	N	1	N
155	1	5	N	N	4	1	N	25	N	4	N
156	1	5	N	N	4	1.6	N	300	N	8	N
157	2	5	1994	N	4	N	N	80	N	6	N
158	1	5	1994	Y	4	1	N	300	N	6	N
159	1	5	1995	Y	5	N	N	N	N	7	N
160	1	5	1997	Y	4	1	N	325	N	7	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	IndundationGr oundOthers	InduntationOn Floor2002	InduntationOn Floor1997	InduntationOn FloorOthers	HoursOfIndun dation2002	HoursOfIndun dation1997	HoursOfIndun dationOthers	HouseHoldsFl oor1	HouseHoldsFl oor2	HouseHoldsFl oorAll	MarketValue OfHouse
123	N	8	N	N	6	N	N	N	N	N	250000
124	N	17	N	N	8	N	N	N	N	N	250000
125	N	3	N	N	6	N	N	N	N	N	450000
126	N	13	N	N	6	N	N	N	N	N	200000
127	N	6	N	N	11	N	N	N	N	N	60000
128	N	5	N	N	2	N	N	N	N	N	20000
129	N	5	N	N	5	N	N	N	N	N	N
130	N	5	N	N	5	N	N	N	N	N	40000
131	N	5.6	N	N	9	N	N	N	N	N	5000
132	N	5	N	N	1	N	N	N	N	N	N
133	N	4	N	N	4	N	N	N	N	N	N
134	N	5	N	N	8	N	N	N	N	N	80000
135	N	5	N	N	5	N	N	N	N	N	60000
136	N	5	4	N	2	3	N	N	N	N	15000
137	N	5	5	N	9	3	N	N	N	N	35000
138	N	5	N	N	2	N	N	N	N	N	100000
139	N	4	6	N	44	8	N	N	N	N	100000
140	5	10	N	5	10	N	5	N	N	N	50000
141	5	6	N	5	3	N	4	N	N	N	80000
142	N	6	N	N	6	N	N	N	N	N	200000
143	5	10	N	6	9	N	2	N	N	N	90000
144	4	12	N	4	12	N	3	N	N	N	60000
145	N	9	N	N	5	N	N	N	N	N	N
146	N	4	N	N	2	N	N	N	N	N	60000
147	N	6	N	N	1	N	N	N	N	N	N
148	N	5	5	N	9	4	N	N	N	N	100000
149	N	5	N	N	1	N	N	N	N	N	75000
150	N	4	N	N	2	N	N	N	N	N	40000
151	N	4	2	N	48	48	N	N	N	N	150000
152	N	8	N	N	10	N	N	N	N	N	N
153	N	2.6	N	N	6	N	N	N	N	N	1200000
154	N	1	N	N	2	N	N	N	N	N	600000
155	N	5	N	N	24	N	N	N	N	N	200000
156	N	6	N	N	9	N	N	N	N	N	1100000
157	N	4	N	N	7	N	N	1	N	1	N
158	N	5	N	N	3	N	N	N	N	N	1000000
159	N	6	N	N	7	N	N	N	N	N	1000000
160	N	6	N	N	7	N	N	N	N	N	900000

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	ReplacementV alueContents	DDFloodInY ear	DDHouse200 1	DDHouse199 7	DDHouseOth ers	DDOutBuildi ngs2002	DDOutBuildi ngs1997	DDOutBuildi ngsOthers	DDOthers200 2	DDOthers199 7	DDOthersOth ers	DDCFurnitur e2002
123	40000	N	7000	N	N	N	N	N	N	N	N	2400
124	1750000	N	N	N	N	N	N	N	N	N	N	13000
125	300000	N	100000	N	N	N	N	N	3000	N	N	20000
126	100000	N	N	N	N	N	N	N	N	N	N	6500
127	2000	N	2000	N	N	N	N	N	N	N	N	3000
128	5000	N	N	N	N	N	N	N	N	N	N	2700
129	60000	N	N	N	N	N	N	N	N	N	N	500
130	N	N	7000	N	N	N	N	N	N	N	N	3000
131	50000	N	3000	N	N	N	N	N	N	N	N	12000
132	18000	N	18000	N	N	N	N	N	N	N	N	3000
133	60000	N	30000	N	N	N	N	N	N	N	N	1600
134	50000	N	30000	N	N	N	N	N	N	N	N	2000
135	100000	N	50000	N	N	N	N	N	N	N	N	N
136	27000	N	N	N	N	N	N	N	N	N	N	N
137	15000	N	N	N	N	N	N	N	N	N	N	N
138	100000	N	18000	N	N	N	N	N	N	N	N	18500
139	60000	N	N	N	N	N	N	N	N	N	N	5000
140	N	N	70000	N	N	N	N	N	N	N	N	400
141	40000	N	5000	N	N	N	N	N	N	N	N	9500
142	50000	N	40000	N	N	N	N	N	N	N	N	12500
143	100000	1992	15000	N	20000	N	N	N	N	N	N	N
144	85000	1992	50000	N	3000	N	N	N	N	N	N	N
145	N	N	45000	N	N	N	N	N	N	N	N	2900
146	40000	N	N	N	N	N	N	N	N	N	N	3000
147	300000	N	10000	N	N	N	N	N	N	N	N	2900
148	24000	N	N	N	N	N	N	N	N	N	N	8500
149	35000	1992	8000	N	12000	500	N	N	N	N	N	N
150	N	N	N	N	N	N	N	N	N	N	N	N
151	50000	N	10000	N	N	N	N	N	N	N	N	3000
152	N	N	20000	N	N	N	N	N	N	N	N	16400
153	N	N	15000	N	N	N	N	N	N	N	N	12000
154	N	N	N	N	N	N	N	N	N	N	N	1500
155	N	N	N	N	N	N	N	N	N	N	N	16700
156	N	N	1500	N	N	N	N	N	N	N	N	30200
157	N	N	N	N	N	N	N	N	N	N	N	N
158	N	N	60000	N	N	N	N	N	N	N	N	9000
159	N	N	30000	N	N	N	N	N	N	N	N	11100
160	N	N	10000	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	DDCFurniture1997	DDCFurnitureOthers	DDCAppliances2002	DDCAppliances1997	DDCAppliancesOthers	DDCBelongings2002	DDCBelongings1997	DDCBelongingsOthers	DDCVehicles2002	DDCVehicles1997	DDCVehiclesOthers
123	N	N	2200	N	N	1000	N	N	N	N	N
124	N	N	45500	N	N	35000	N	N	2000	N	N
125	N	N	32000	N	N	38000	N	N	N	N	N
126	N	N	21650	N	N	14000	N	N	N	N	N
127	N	N	6500	N	N	19000	N	N	1000	N	N
128	N	N	1000	N	N	800	N	N	N	N	N
129	N	N	600	N	N	3500	N	N	N	N	N
130	N	N	N	N	N	3300	N	N	N	N	N
131	N	N	9900	N	N	20000	N	N	N	N	N
132	N	N	3000	N	N	N	N	N	N	N	N
133	N	N	5000	N	N	6000	N	N	N	N	N
134	N	N	3000	N	N	4700	N	N	N	N	N
135	N	N	5900	N	N	10000	N	N	N	N	N
136	N	N	500	N	N	2000	N	N	N	N	N
137	N	N	8150	N	N	5000	N	N	N	N	N
138	N	N	16000	N	N	13000	N	N	1000	N	N
139	N	N	18700	N	N	7000	N	N	N	N	N
140	N	N	1500	N	N	2000	N	N	N	N	N
141	N	N	10900	N	N	6800	N	N	N	N	N
142	N	N	4000	N	N	100000	N	N	N	N	N
143	N	N	N	N	N	N	N	N	N	N	N
144	N	N	N	N	N	N	N	N	N	N	N
145	N	N	6600	N	N	11000	N	N	500	N	N
146	N	N	4700	N	N	7000	N	N	N	N	N
147	N	N	2100	N	N	5000	N	N	N	N	N
148	N	N	4400	N	N	4000	N	N	1700	N	N
149	N	N	N	N	N	N	N	N	N	N	N
150	N	N	N	N	N	N	N	N	N	N	N
151	N	N	5500	N	N	5000	N	N	N	N	N
152	N	N	24200	N	N	10900	N	N	N	N	N
153	N	N	13200	N	N	N	N	N	5000	N	N
154	N	N	2200	N	N	1000	N	N	N	N	N
155	N	N	13000	N	N	5000	N	N	N	N	N
156	N	N	23300	N	N	19000	N	N	4000	N	N
157	N	N	N	N	N	N	N	N	N	N	N
158	N	N	23500	N	N	N	N	N	16000	N	N
159	N	N	20200	N	N	30000	N	N	21000	N	N
160	N	N	2600	N	N	20000	N	N	9000	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	D22	DD221	DD222	DD223	D23	DD231	DD232	DD233	D24	DD241	DD242
123	BEDDING	3000	N	N	UTENSILS	400	N	N	N	N	N
124	BEDDING	15000	N	N	COOKING	2000	N	N	UTENSILS	5000	N
125	BEDDING	20000	N	N	UTENSILS	10000	N	N	N	N	N
126	BEDDING	15000	N	N	COOKING	2000	N	N	UTENSILS	2000	N
127	N	N	N	N	N	N	N	N	N	N	N
128	N	N	N	N	N	N	N	N	N	N	N
129	BEDDING	2500	N	N	COOKING	2000	N	N	N	N	N
130	BEDDING	4000	N	N	KITCHEN	1000	N	N	N	N	N
131	BEDDING	10000	N	N	COOKING	2000	N	N	N	N	N
132	BEDDING	1000	N	N	FOOD	500	N	N	N	N	N
133	BEDDING	6000	N	N	N	N	N	N	N	N	N
134	BEDDING	5000	N	N	COOKING	2000	N	N	UTENSILS	2000	N
135	BEDDING	10000	N	N	COOKING	1500	N	N	UTENSILS	5000	N
136	BEDDING	2500	N	N	N	N	N	N	N	N	N
137	N	N	N	N	N	N	N	N	N	N	N
138	BEDDING	4000	N	N	COOKING	2000	N	N	UTENSILS	2000	N
139	BEDDING	3000	N	N	COOKING	1500	N	N	UTENSILS	2000	N
140	BEDDING	1000	N	N	N	N	N	N	N	N	N
141	BEDDING	5000	N	N	UTENSILS	2000	N	N	N	N	N
142	BEDDING	4000	N	N	UTENSILS	2500	N	N	N	N	N
143	BEDDING	15000	N	15000	UTENSILS	2000	N	2000	N	N	N
144	BEDDING	15000	N	1500	UTENSILS	15000	N	1500	COOKING	300	N
145	BEDDING	6000	N	N	N	N	N	N	N	N	N
146	BEDDING	2000	N	N	UTENSILS	2500	N	N	COOKING	2000	N
147	BEDDING	5000	N	N	N	N	N	N	N	N	N
148	BEDDING	2500	N	N	N	N	N	N	N	N	N
149	BEDDING	N	N	4500	N	N	N	N	N	N	N
150	N	N	N	N	N	N	N	N	N	N	N
151	N	N	N	N	N	N	N	N	N	N	N
152	BEDDING	6000	N	N	N	N	N	N	N	N	N
153	BEDDING	10000	N	N	N	N	N	N	N	N	N
154	BEDDING	2000	N	N	N	N	N	N	N	N	N
155	BEDDING	6000	N	N	COOKING	10000	N	N	N	N	N
156	BEDDING	10000	N	N	N	N	N	N	N	N	N
157	N	N	N	N	N	N	N	N	N	N	N
158	BEDDING	8000	N	N	N	N	N	N	N	N	N
159	N	N	N	N	N	N	N	N	N	N	N
160	BEDDING	10000	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	DD243	DDCleanup2002	DDCleanup1997	DDCleanupOthers	IDEME2002	IDEME1997	IDEMEOthers	IDLossIncome2002	IDLossIncome1997	IDLossIncomeOthers	D34
123	N	150	N	N	N	N	N	500	N	N	MEDICATION
124	N	N	N	N	N	N	N	N	N	N	N
125	N	500	N	N	N	N	N	N	N	N	N
126	N	N	N	N	N	N	N	3000	N	N	N
127	N	N	N	N	N	N	N	2000	N	N	BEDDING
128	N	N	N	N	N	N	N	N	N	N	N
129	N	N	N	N	N	N	N	N	N	N	N
130	N	N	N	N	N	N	N	N	N	N	N
131	N	N	N	N	N	N	N	N	N	N	N
132	N	N	N	N	N	N	N	N	N	N	N
133	N	N	N	N	N	N	N	N	N	N	N
134	N	N	N	N	N	N	N	N	N	N	N
135	N	100	N	N	N	N	N	N	N	N	N
136	N	N	N	N	N	N	N	N	N	N	N
137	N	N	N	N	N	N	N	N	N	N	N
138	N	N	N	N	N	N	N	N	N	N	N
139	N	100	N	N	N	N	N	1000	N	N	N
140	N	N	N	N	N	N	N	N	N	N	N
141	N	N	N	N	N	N	N	N	N	N	N
142	N	N	N	N	N	N	N	N	N	N	N
143	N	N	N	N	N	N	N	2000	N	800	MEDICATION
144	N	N	N	N	N	N	N	N	N	N	MEDICATION
145	N	N	N	N	N	N	N	N	N	N	N
146	N	N	N	N	N	N	N	N	N	N	N
147	N	N	N	N	N	N	N	N	N	N	N
148	N	N	N	N	N	N	N	N	N	N	MEDICATION
149	N	N	N	N	N	N	N	600	N	N	N
150	N	N	N	N	N	N	N	N	N	N	TOTAL
151	N	700	N	N	N	N	N	1500	N	N	N
152	N	N	N	N	N	N	N	N	N	N	N
153	N	N	N	N	N	N	N	N	N	N	N
154	N	N	N	N	N	N	N	N	N	N	N
155	N	N	N	N	N	N	N	N	N	N	N
156	N	N	N	N	N	N	N	N	N	N	N
157	N	N	N	N	N	N	N	N	N	N	N
158	N	N	N	N	N	N	N	N	N	N	N
159	N	N	N	N	N	N	N	N	N	N	N
160	N	N	N	N	N	N	N	N	N	N	N

Results of Questionnaire Survey on Flood Damage (Residential Properties)

FormNumber	D341	D342	D343	D35	D351	D352	D353	D36	D361	D362	D363
123	600	N	N	N	N	N	N	N	N	N	N
124	N	N	N	N	N	N	N	N	N	N	N
125	N	N	N	N	N	N	N	N	N	N	N
126	N	N	N	N	N	N	N	N	N	N	N
127	4000	N	N	N	N	N	N	N	N	N	N
128	N	N	N	N	N	N	N	N	N	N	N
129	N	N	N	N	N	N	N	N	N	N	N
130	N	N	N	N	N	N	N	N	N	N	N
131	N	N	N	N	N	N	N	N	N	N	N
132	N	N	N	N	N	N	N	N	N	N	N
133	N	N	N	N	N	N	N	N	N	N	N
134	N	N	N	N	N	N	N	N	N	N	N
135	N	N	N	N	N	N	N	N	N	N	N
136	N	N	N	N	N	N	N	N	N	N	N
137	N	N	N	N	N	N	N	N	N	N	N
138	N	N	N	N	N	N	N	N	N	N	N
139	N	N	N	N	N	N	N	N	N	N	N
140	N	N	N	N	N	N	N	N	N	N	N
141	N	N	N	N	N	N	N	N	N	N	N
142	N	N	N	N	N	N	N	N	N	N	N
143	1000	N	N	FOOD	3000	N	N	N	N	N	N
144	100	N	N	N	N	N	N	N	N	N	N
145	N	N	N	N	N	N	N	N	N	N	N
146	N	N	N	N	N	N	N	N	N	N	N
147	N	N	N	N	N	N	N	N	N	N	N
148	600	N	N	N	N	N	N	N	N	N	N
149	N	N	N	N	N	N	N	N	N	N	N
150	50000	N	N	N	N	N	N	N	N	N	N
151	N	N	N	N	N	N	N	N	N	N	N
152	N	N	N	N	N	N	N	N	N	N	N
153	N	N	N	N	N	N	N	N	N	N	N
154	N	N	N	N	N	N	N	N	N	N	N
155	N	N	N	N	N	N	N	N	N	N	N
156	N	N	N	N	N	N	N	N	N	N	N
157	N	N	N	N	N	N	N	N	N	N	N
158	N	N	N	N	N	N	N	N	N	N	N
159	N	N	N	N	N	N	N	N	N	N	N
160	N	N	N	N	N	N	N	N	N	N	N

III.2 RESULTS OF QUESTIONNAIRE SURVEY

ON FLOOD DAMAGE

(Commercial and Industrial Regarding)

FORM OF QUESTIONNAIRE

Sample ID.	
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Commercial and Industrial

QUESTIONNAIRE ON FLOOD DAMAGE:

**COMMERCIAL AND INDUSTRIAL
REGARDING
THE STUDY ON COMPREHENSIVE FLOOD MITIGATION AND
ENVIRONMENTAL PLAN OF LAI NULLAH BASIN IN THE
ISLAMIC REPUBLIC OF PAKISTAN**

A. General Information

A1	Name of Interviewer	
A2	Date of Interview	
A3	Map Code No. of Interview Point	
A4	Name of Respondent	
A5	Address of Respondent	
A6	Occupation of Respondent	
A7	Telephone No.	

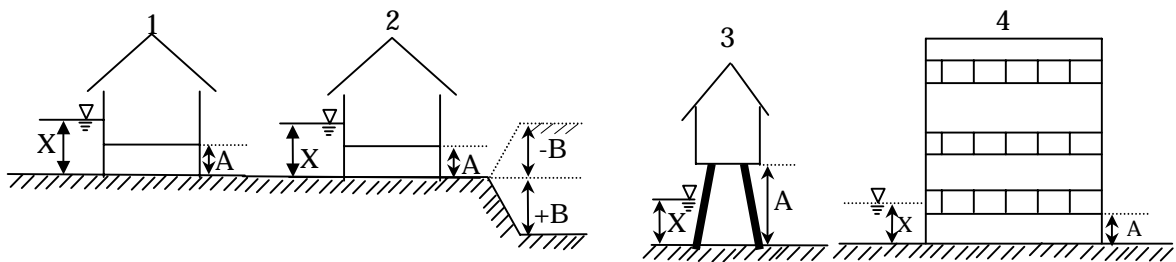
Sample ID.	
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Commercial and Industrial

B. Structure and Flooding

B1	Size of the building (1 st floor)	Sq.ft
B2	How many stories does the building have?	Stories
B3	By what material is the building's wall constructed? 1. Bamboo/straw 2. Wood 3. Tin 4. Brick 5. Cement 6. Metal 6. Others	
B4	When was the building constructed?	
B5	Type of House/building (see below)	1 2 3 4
B6	Height of the floor from the ground (A)	
B7	Height of the elevated ground (+/- B)	

Type of house building



		Flood in 2001	Flood in 1997	Flood in B8()
B9	Inundation depth (X) from the ground	B9.1	B9.2	B9.3
B10	Inundation depth on the floor	B10.1	B10.2	B10.3
B11	Days of inundation on the floor	B11.1	B11.2	B11.3

Sample ID.	
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Commercial and Industrial

C: Description of operation

C1	Types of Operation 1: Retailer 2: Factory 3: Office 4:	
C2	How many people are working here?	persons

D. Total Asset valuation

D1	Market Value of structure (do not include lot)	Rs.
D2	Total value of Content	Rs.
D3	1 st Floor content Value	Rs.
D4	2 nd Floor Content Value	Rs.
D5	Other Content Values	Rs.

E. 1st. Floor Storage (per cent stored in relation to elevation)

E1	0.0 – 30cm	%
E2	30 – 1.0m	%
E3	1.0 – 1.5m	%
E4	1.5m	%

	Sample ID.
--	------------

Commercial and Industrial

F. Estimated Damage

	Flood in 2001			Flood in 1997			Flood in ()		
	1 st Floor	2 nd floor	Other	1 st Floor	2 nd	Other	1 st Floor	2 nd	Other
Content (Stock)									
Merchandise	F111	F112	F113	F114	F115	F116	F117	F118	F119
Equipment	F121	F122	F123	F124	F125	F126	F127	F128	F129
Other	F131	F132	F133	F134	F135	F136	F137	F138	F139
Structure									
Buildings	F211	F212	F213	F214	F215	F216	F217	F218	F219
Foundation	F221	F222	F223	F224	F225	F226	F227	F228	F229
Grounds									
Parking lots, Signs	F231	F232	F233	F234	F235	F236	F237	F238	F239
Fence, Shrubs	F241	F242	F243	F244	F245	F246	F247	F248	F249
Other	F251	F252	F253	F254	F255	F256	F257	F258	F259
Others									
Loss of Business	F311	F312	F313	F314	F315	F316	F317	F318	F319
Evacuation	F321	F322	F323	F324	F325	F326	F327	F328	F329
Flood Proofing	F331	F332	F333	F334	F335	F336	F337	F338	F339
Employee wage lost	F341	F342	F343	F344	F345	F346	F347	F348	F349

H.Loss prevented by evacuation, emergency preparation, etc.)

H1. Flood in 2001

Rs. _____

H2. Flood in 1997

Rs. _____

Sample ID.	
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Commercial and Industrial

INSTRUCTIONS

Market value of building

This excludes land. Data may be from appraisers, tax records, or owners.

Value of contents

Include stock, merchandise, equipment, etc. if this varies significantly by season, indicate in remarks. Prorate by location. Other would include contents stored outside or in minor buildings such as lumber yards.

1st Floor storage

Percent of contents stored related to elevation. This should be accounted for 100% if 1st floor contents by height stored above the 1st floor elevation.

Number of employees

This includes all full and part-time employees. If part-time, identify as such.

Estimated Damages

If repairs not made, estimate damages. If repairs made other than year of flood, indicate year.

- Structure - include repairing, redecoration, etc.
- Contents - The other column refer to outside major buildings.
- Other - Evacuation-reoccupation include moving goods, temporary space leased, etc.
 - Wages lost includes employee time in which pay was not received.
 - Misc. includes such as clean-up.

RESULTS OF QUESTIONNAIRE

Results of Questionnaire Survey on Flood Damage (Commercial and Industrial)

FormNumber	SampleIDCode	SampleIdSub Code	day1	Month1	RespondentOccupation	SizeOfBuilding	StoriesInBuilding	MaterialOfConstruction	YearOfConstruction	OccupiedByOwner
161	8E	4	1	11	DAINTING AND PAINTING	100	1	4	1990	N
162	8E	4	1	11	CAR SEAT MAKER	144	1	5	1950	N
163	8E	4	1	11	POSHISH MAKER	120	1	5	1972	Y
164	8E	4	1	11	OWNER JANGLA MAKER	120	2	6	1973	Y
165	8E	4	1	11	DEALER	120	1	5	1945	Y
166	8E	4	1	11	MONEY CHANGER	196	2	5	1999	Y
167	8E	4	3	10	GARMENT SHOP	96	1	5	1970	N
168	8E	4	1	11	HARDWARE SHOP KEEPER	27	2	5	1946	Y
169	8-E	4	31	10	SHOPKEEPER OWNER	240	2	5	1970	Y
170	8-E	4	31	10	BANGLES SHOP	96	1	5	1940	Y
171	8-E	4	1	11	SHOPKEEPER OWNER	112	1	5	1972	Y
172	8-E	4	31	10	OWNER	288	1	5	1942	Y
173	8-E	4	1	11	OWNER	81	1	5	1940	Y
174	8-E	4	31	10	BOOKSHOP OWNER	200	1	5	1970	N
175	8-E	4	1	11	OWNER MEDICAL SHOP	180	1	5	1985	Y
176	8-E	4	31	10	N	616	1	6	1999	N
177	8-E	4	1	11	MANGER AND OWNER	7500	1	5	1952	Y
178	8-E	4	31	10	MANGER	48	1	4	1942	Y
179	6-E	2	31	10	AUCTIONEER	1100	1	5	2000	Y
180	8-E	4	31	10	SALE MAN	240	1	4	N	N
181	4-D	1	29	10	SPARE PARTS MAKER	2250	4	5	N	N
182	6-E	2	31	10	HOTEL BUSINESS	4200	3	5	N	Y
183	6-E	2	31	10	GENRAL STORE	150	1	5	1997	Y
184	6-E	2	31	10	WHOLESALE	200	3	5	1997	N
185	6-E	2	31	10	AUCTIONS CENTER	625	4	5	N	N
186	6-E	2	31	10	AUCTIONEER	900	2	5	N	N
187	6-E	2	31	10	BAKER	320	1	5	N	N
188	6-E	2	31	10	BURGER AND CHIPS SHOP	135	1	5	N	N
189	6-E	2	31	10	TAILORING	300	2	5	1995	N
190	8-E	2	7	11	SALE MAN	90	1	5	1985	Y
191	8-E	3	7	11	SALE MAN	255	1	5	1968	Y
192	8-E	3	7	11	SALE MAN	120	1	5	1965	Y
193	8-E	3	7	11	SALE MAN	204	1	5	1965	Y
194	8-E	3	7	11	SALE MAN AND OWNER	168	1	5	1965	Y
195	8-E	2	7	11	SALE MAN	220	2	5	1970	Y
196	8-E	3	7	11	SALE MAN AND OWNER	42	1	5	1901	Y
197	8-E	1	7	11	SALE MAN	120	1	5	N	Y
198	8-E	2	7	11	SALE MAN AND OWNER	100	1	5	1980	Y
199	8-E	2	7	11	BUSINESS	264	1	5	1972	Y
200	8-E	2	7	11	SALE MAN AND OWNER	360	2	5	1965	Y
201	8-E	3	7	11	AUTOS STORE OWNER	100	1	5	N	N
202	8-E	2	7	11	TRADERS	576	1	5	N	N
203	8-E	2	7	11	ZARI SHOP OWNER	300	1	5	N	N
204	8-E	2	7	11	CLOTH MERCHANT	98	1	5	N	N
205	8-E	3	7	11	SPARE PARTS BUSINESS	72	1	5	N	N
206	8-E	1	7	11	SHOES SHOPKEEPER	70	1	5	N	Y
207	8-E	3	7	11	AUTOS PART BUSINESS OWNER	72	1	5	N	N
208	8-E	3	7	11	OWNER	96	1	5	N	N
209	8E	2	7	11	WHOLE SELLER	480	1	5	N	Y
210	8E	1	7	11	OWNER MEDICAL SHOP	204	1	5	1982	N

Results of Questionnaire Survey on Flood Damage (Commercial and Industrial)

FormNumber	TypeOfBuilding	HeightOfFloor	HeightOfElevation	DistanceOfNallah	FloodInYear	IndundationGround2001	IndundationGround1997	IndundationGroundOthers	InduntationOnFloor2002	InduntationOnFloor1997	InduntationOnFloorOthers
161	5	0	0	35	N	20	6	N	20	6	N
162	1	1	1	35	N	20	7	N	19	6	N
163	5	N	N	150	1992	14	5	4	14	5	4
164	1	0.7	N	150	N	18	7	N	17.3	6.3	N
165	1	1	N	200	N	3	N	N	2	N	N
166	2	1	1	500	N	6	N	N	5	N	N
167	2	2	2	350	N	15	5	N	13	3	N
168	2	2.6	2.6	450	N	13.5	5	N	11	3	N
169	2	2	2	270	N	10	N	N	8	N	N
170	2	4	4	400	N	16	N	N	14	N	N
171	1	1	N	150	N	9	N	N	8	N	N
172	N	1	N	300	N	9	3	N	8	2	N
173	1	1	N	200	N	7	N	N	6	N	N
174	2	1	1	1.5	N	8	N	N	7	N	N
175	2	2	2	400	N	12	3	N	10	1	N
176	5	N	N	30	N	4	N	N	4	N	N
177	5	N	N	150	N	5	N	N	5	N	N
178	1	1	N	300	N	9	5	N	8	4	N
179	1	2	N	40	N	10	N	N	6	N	N
180	1	1	N	300	N	11	2	N	10	3	N
181	4	N	6	60	N	0	N	N	6	N	N
182	4	N	6	50	N	3	N	N	3	N	N
183	4	N	N	200	N	6	N	N	6	N	N
184	4	N	10	30	N	4	N	N	4	N	N
185	2	2.6	10	30	N	8.6	N	N	6	N	N
186	2	2.6	10	30	N	8.6	N	N	6	N	N
187	2	N	2	200	N	7	N	N	5	N	N
188	4	N	3	500	N	4	N	N	4	N	N
189	4	N	6	500	N	4	N	N	4	N	N
190	5	N	N	130	N	13	N	N	13	N	N
191	1	2	N	300	N	12	N	N	10	N	N
192	1	2	N	700	N	10	N	N	8	N	N
193	1	1	N	600	N	6.5	N	N	5.5	N	N
194	1	1	N	400	N	11	2	N	10	1.5	N
195	1	1	N	125	1992	13	N	3	12	N	2
196	5	N	N	200	N	6	N	N	6	N	N
197	5	N	N	300	N	5	N	N	5	N	N
198	5	N	N	130	N	18	N	N	18	N	N
199	5	N	N	120	N	17	6	N	17	6	N
200	5	N	N	120	N	17	6	N	17	6	N
201	1	0.6	0.6	300	N	15	3.6	2.6	14.6	3	2
202	1	N	N	300	N	8.6	2	N	7	1.06	N
203	1	N	N	300	N	15	3.06	N	12	0.06	N
204	1	2	2	300	N	11	N	N	9	N	N
205	5	N	N	20	N	13	5	7	13	5	7
206	1	N	N	300	N	5	N	N	3	N	N
207	1	1	1	15	N	13	5	7	12	4	6
208	1	0.6	0.6	200	N	16	5.06	3.06	15	5	3
209	1	2	2	500	N	13	3.6	N	11	1.6	N
210	1	1	N	250	N	4	N	N	3	N	N

Results of Questionnaire Survey on Flood Damage (Commercial and Industrial)

FormNumber	HoursOfIndun dation2002	HoursOfIndun dation1997	HoursOfIndun dationOthers	OtherOperatio ns	TypeOfOperat ion	NumberOfWo rkers	MarketValueOf Structure	TotalValueOfC ontent	ContentValueFl oor1	ContentValueFl oor2	ContentValueOf Others
161	12	8	N	WORKSHO	5	2	40000	40000	40000	N	30000
162	12	6	N	N	2	5	150000	150000	150000	N	15000
163	8	2.5	2	N	2	3	600000	N	N	N	100000
164	1	1	N	N	2	2	700000	N	N	N	50000
165	2	N	N	N	3	1	200000	N	N	N	50000
166	4	N	N	N	3	5	200000	150000	100000	50000	N
167	6	2	N	N	1	2	100000	150000	150000	N	25000
168	12	12	N	N	4	3	500000	500000	300000	100000	50000
169	7	N	N	N	1	2	200000	150000	100000	40000	10000
170	9	N	N	N	1	2	100000	100000	100000	N	10000
171	2	N	N	N	1	3	100000	130000	N	N	60000
172	7	2	N	N	1	2	N	225000	N	N	100000
173	3	N	N	N	1	N	200000	110000	N	N	100000
174	6	N	N	N	1	2	150000	100000	100000	N	10000
175	8	1	N	N	1	N	100000	200000	200000	N	100000
176	12	N	N	N	2	4	400000	150000	150000	N	80000
177	4	N	N	N	2	42	70000000	20010000	N	N	4000000
178	9	3	N	N	1	N	N	115000	N	N	50000
179	4	N	N	N	1	3	300000	250000	250000	N	40000
180	10	1	N	N	1	2	300000	200000	N	N	25000
181	5	N	N	FACTORY	5	12	600000	1200000	N	N	N
182	3	N	N	HOTEL	5	10	1000000	500000	50000	N	N
183	3	N	N	N	1	1	200000	200000	N	15000	N
184	5	N	N	N	4	2	N	150000	150000	N	8000
185	N	N	N	N	5	2	N	400000	N	N	100000
186	N	N	N	N	5	2	800000	700000	N	N	100000
187	2	N	N	AN MAK	5	2	N	15000	N	N	400
188	3	N	N	AND CHI	5	1	50000	30000	N	N	500
189	3	N	N	TAILORING	5	2	N	20000	20000	N	6000
190	9	N	N	N	4	1	1500000	500000	N	N	400000
191	11	N	N	N	4	3	2500000	1020000	N	N	500000
192	8	N	N	N	4	5	4000000	1250000	N	N	400000
193	5	N	N	N	4	1	N	1025000	N	N	50000
194	5	N	N	N	1	1	N	605000	N	N	100000
195	3	N	3	N	4	3	1000000	106000	N	N	500000
196	8	N	N	N	1	2	N	60000	N	N	20000
197	3	N	N	N	4	2	800000	110000	N	N	20000
198	8	N	N	N	4	1	900000	1009000	N	N	100000
199	8	2	N	N	1	2	3000000	8020000	N	N	600000
200	6	3	N	N	1	2	1600000	5006000	N	N	500000
201	12	3	3	N	1	2	150000	450000	45000	N	50000
202	5	1	N	N	1	1	N	1500000	1500000	N	N
203	6	N	N	N	1	10	500000	4000000	4000000	N	200000
204	12	N	N	N	1	2	N	1500000	1500000	N	15000
205	24	24	3	N	1	1	N	2000000	2000000	N	N
206	2	N	N	N	1	2	N	50000	50000	N	20000
207	24	1	N	N	1	1	N	1500000	1500000	N	1000000
208	12	3	3	N	4	3	600000	1000000	N	N	300000
209	8	2	N	N	4	2	80000	150000	150000	N	N
210	2	N	N	N	1	3	500000	550000	N	N	25000

Results of Questionnaire Survey on Flood Damage (Commercial and Industrial)

FormNumber	FloorStorage0 to1	FloorStorage1 to5	FloorStorage5 to10	FloorStorage10 above	EDContentMerchandise102	EDContentEquipment102	EDContentOther102	EDStructureBuilding102	EDStructureFoundation102	EDGroundsParking102	EDGroundsFence102
161	N	N	50	N	3000	N	N	10000	N	N	N
162	N	N	N	100	30000	N	N	N	N	N	N
163	N	N	N	N	100000	40000	N	N	N	N	N
164	N	N	50	N	100000	50000	N	N	N	N	N
165	N	N	40	N	500000	5000	N	N	N	N	N
166	N	50	N	N	N	100000	N	62000	N	N	N
167	N	N	N	100	150000	25000	N	N	N	N	N
168	N	N	N	100	300000	N	75000	N	N	N	N
169	N	N	N	100	80000	N	10000	4000	N	N	N
170	N	N	N	100	50000	10000	N	20000	N	N	N
171	N	N	N	80	30000	200000	N	N	N	N	N
172	N	N	N	75	200000	25000	N	N	N	N	N
173	N	N	N	100	200000	10000	N	N	N	N	N
174	N	N	100	N	100000	4000	N	N	N	N	N
175	N	N	N	100	200000	100000	N	N	N	N	N
176	N	N	50	N	150000	80000	N	20000	N	N	N
177	N	N	75	50	2000000	1000000	N	200000	200000	N	N
178	N	N	N	N	200000	15000	N	N	N	N	N
179	N	100	N	N	190000	N	N	5000	N	N	N
180	100	N	N	N	200000	6000	N	2000	N	N	N
181	50	50	N	N	300000	900000	100000	10000	N	N	N
182	40	60	N	N	N	600000	N	100000	N	15000	30000
183	30	50	20	N	200000	N	N	10000	N	N	N
184	100	N	N	N	150000	N	N	N	N	N	N
185	N	50	50	N	500000	N	N	5000	N	N	N
186	20	N	80	N	700000	N	N	10000	N	N	N
187	N	100	N	N	10000	5000	N	N	N	N	N
188	50	50	N	N	10000	15000	5000	1200	N	N	N
189	5	95	N	N	N	4000	16000	2000	N	N	N
190	N	N	100	N	400000	100000	N	N	N	N	N
191	N	N	N	100	1000000	20000	N	N	N	N	N
192	N	N	N	100	1000000	25000	N	N	N	N	N
193	N	N	100	N	100000	25000	N	N	N	N	N
194	N	N	N	100	600000	50000	N	N	N	N	N
195	N	100	N	N	1000000	6000	N	N	N	N	N
196	N	N	100	N	50000	10000	N	N	N	N	N
197	N	N	N	90	100000	10000	N	N	N	N	N
198	N	N	N	95	1000000	9000	N	N	N	N	N
199	N	N	N	80	800000	20000	N	N	N	N	N
200	N	N	N	100	5000000	60000	N	15000000	N	N	N
201	N	N	N	100	450000	50000	N	N	N	N	N
202	N	N	N	100	100000	26000	N	N	N	N	N
203	N	N	75	N	3500000	200000	N	N	N	N	N
204	N	N	N	100	1500000	15000	N	N	N	N	N
205	N	N	N	100	2000000	100000	N	N	N	N	N
206	N	N	N	100	15000	20000	N	N	N	N	N
207	N	N	N	100	1500000	1500000	N	N	N	N	N
208	N	N	N	100	600000	60000	N	N	N	N	N
209	N	N	75	N	150000	55000	N	N	N	N	N
210	N	100	N	N	500000	50000	N	N	N	N	N

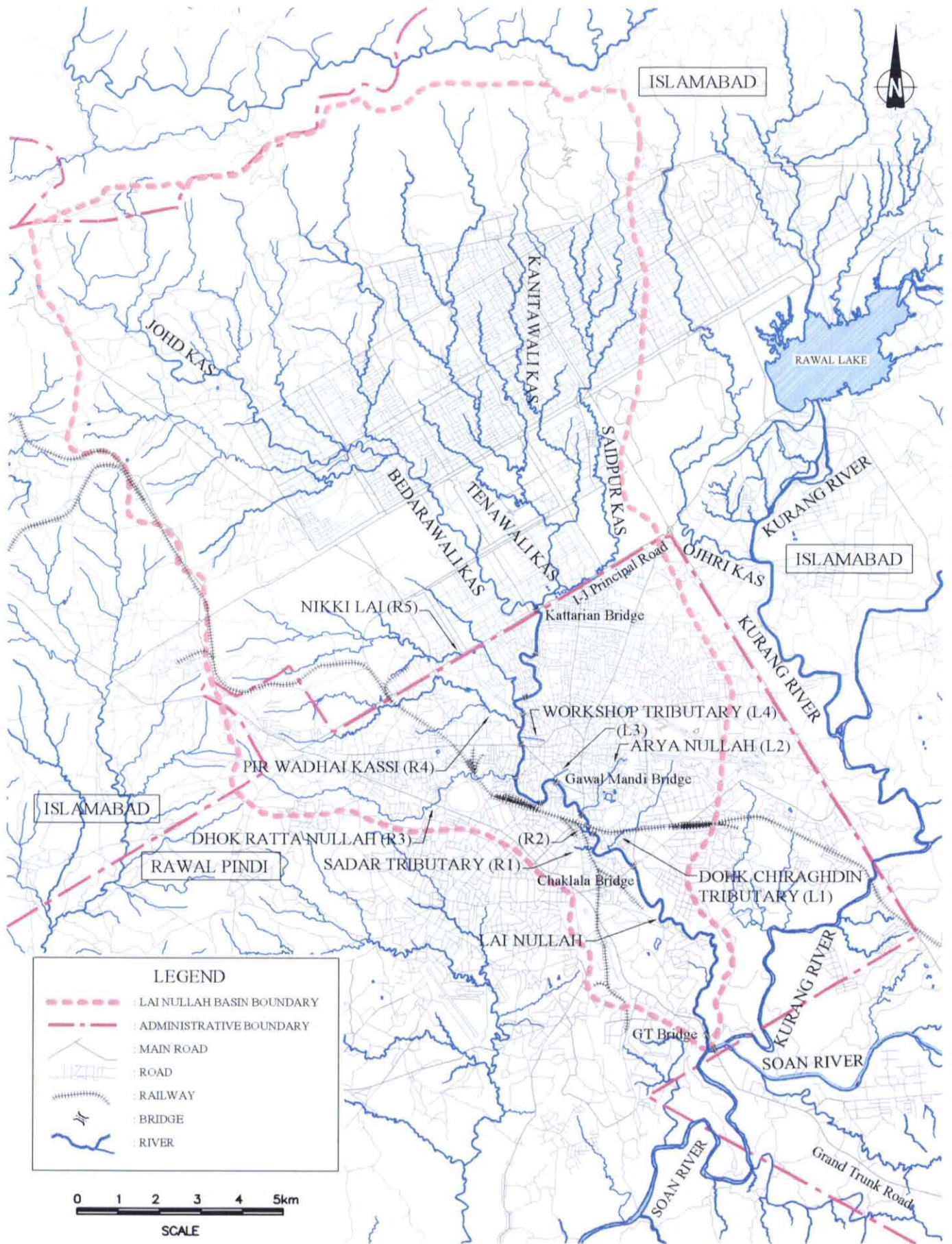
Results of Questionnaire Survey on Flood Damage (Commercial and Industrial)

FormNumber	EDGroundsOt hers102	EDBusiness102	EDReoccupy1 02	EDFloodproof ing102	EDEmployee Wage102	EDContentMe rchandise197	EDContentEq uipment197	EDContentOt her197	EDStructureB uilding197	EDStructureF oundation197	EDGroundsPa rking197
161	N	30000	N	N	N	N	N	N	N	N	N
162	N	N	N	N	N	N	N	N	N	N	N
163	N	100000	N	N	10000	N	N	N	N	N	N
164	N	50000	N	N	N	N	N	N	N	N	N
165	N	50000	N	N	N	N	N	N	N	N	N
166	N	35000	N	N	4000	N	N	N	N	N	N
167	N	25000	N	N	N	N	N	N	N	N	N
168	N	100000	N	N	40000	N	N	N	N	N	N
169	N	30000	N	N	N	30000	N	N	N	N	N
170	N	15000	N	N	N	N	N	N	N	N	N
171	N	60000	N	N	N	N	N	N	N	N	N
172	N	100000	N	N	N	N	N	N	N	N	N
173	N	100000	N	N	N	N	N	N	N	N	N
174	N	10000	N	N	N	N	N	N	N	N	N
175	N	N	N	N	N	N	N	N	N	N	N
176	N	30000	N	N	20000	N	N	N	N	N	N
177	N	4000000	N	N	N	N	N	N	N	N	N
178	N	50000	N	800	N	N	N	N	N	N	N
179	60000	25000	10000	N	5000	N	N	N	N	N	N
180	N	25000	N	N	N	N	N	N	N	N	N
181	N	100000	N	N	N	N	N	N	N	N	N
182	N	50000	50000	N	N	N	N	N	N	N	N
183	N	15000	N	N	N	N	N	N	N	N	N
184	N	8000	N	N	N	N	N	N	N	N	N
185	50000	10000	N	N	N	N	N	N	N	N	N
186	50000	100000	N	N	N	N	N	N	N	N	N
187	N	400	N	N	N	N	N	N	N	N	N
188	N	500	N	N	N	N	N	N	N	N	N
189	N	6000	N	N	N	N	N	N	N	N	N
190	N	400000	N	N	N	N	N	N	N	N	N
191	N	500000	N	N	N	N	N	N	N	N	N
192	N	400000	N	N	N	N	N	N	N	N	N
193	N	50000	N	N	N	N	N	N	N	N	N
194	N	100000	N	N	N	N	N	N	N	N	N
195	N	500000	N	N	N	N	N	N	N	N	N
196	N	20000	N	N	N	N	N	N	N	N	N
197	N	20000	N	N	N	N	N	N	N	N	N
198	N	100000	N	N	N	N	N	N	N	N	N
199	N	600000	N	N	N	N	N	N	N	N	N
200	N	500000	N	N	N	N	N	N	N	N	N
201	N	500000	N	N	N	N	N	N	N	N	N
202	N	100000	N	N	N	N	N	N	N	N	N
203	N	500000	N	500000	50000	N	N	N	N	N	N
204	N	50000	N	N	N	N	N	N	N	N	N
205	N	2100000	N	N	N	N	N	N	N	N	N
206	N	5000	N	N	N	N	N	N	N	N	N
207	N	1000000	N	N	N	N	N	N	N	N	N
208	N	300000	N	N	N	N	N	N	N	N	N
209	N	50000	N	N	3000	N	N	N	N	N	N
210	N	25000	N	N	N	N	N	N	N	N	N

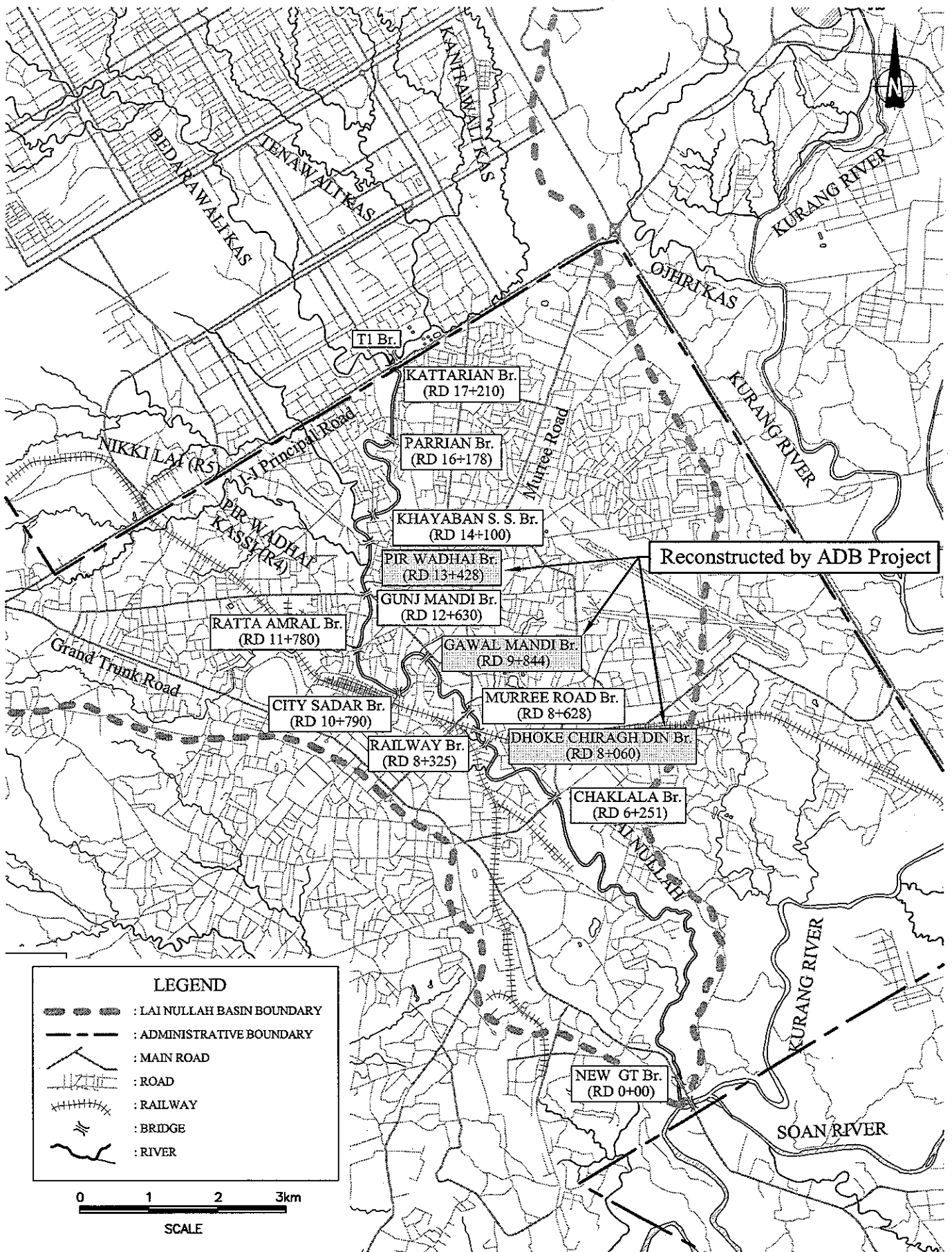
Results of Questionnaire Survey on Flood Damage (Commercial and Industrial)

FormNumber	EDGroundsFe nce197	EDGroundsOt hers197	EDBusiness19 7	EDReoccupy1 97	EDFloodproof ing197	EDEmployee Wage197	TotalHi02	TotalHi97
161	N	N	N	N	N	N	11000	N
162	N	N	N	N	N	N	10000	N
163	N	N	N	N	N	N	50000	N
164	N	N	N	N	N	N	50000	N
165	N	N	N	N	N	N	300000	N
166	N	N	N	N	N	N	500000	N
167	N	N	N	N	N	N	5000	N
168	N	N	N	N	N	N	50000	N
169	N	N	N	N	N	N	2000	N
170	N	N	N	N	N	N	13000	N
171	N	N	N	N	N	N	100000	N
172	N	N	N	N	N	N	50000	N
173	N	N	N	N	N	N	100000	N
174	N	N	N	N	N	N	5000	N
175	N	N	N	N	N	N	4000	N
176	N	N	N	N	N	N	6000	N
177	N	N	N	N	N	N	10000000	N
178	N	N	N	N	N	N	100000	N
179	N	N	N	N	N	N	N	N
180	N	N	N	N	N	N	100000	N
181	N	N	N	N	N	N	N	N
182	N	N	N	N	N	N	N	N
183	N	N	N	N	N	N	N	N
184	N	N	N	N	N	N	N	N
185	N	N	N	N	N	N	555000	N
186	N	N	N	N	N	N	960000	N
187	N	N	N	N	N	N	N	N
188	N	N	N	N	N	N	N	N
189	N	N	N	N	N	N	N	N
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191	N	N	N	N	N	N	500000	N
192	N	N	N	N	N	N	N	N
193	N	N	N	N	N	N	40000	N
194	N	N	N	N	N	N	500000	N
195	N	N	N	N	N	N	500000	N
196	N	N	N	N	N	N	25000	N
197	N	N	N	N	N	N	80000	N
198	N	N	N	N	N	N	900000	N
199	N	N	N	N	N	N	N	N
200	N	N	N	N	N	N	4500000	N
201	N	N	N	N	N	N	N	N
202	N	N	N	N	N	N	N	N
203	N	N	N	N	N	N	N	N
204	N	N	N	N	N	N	100000	N
205	N	N	N	N	N	N	N	N
206	N	N	N	N	N	N	30000	N
207	N	N	N	N	N	N	500000	N
208	N	N	N	N	N	N	500000	N
209	N	N	N	N	N	N	100000	N
210	N	N	N	N	N	N	400000	N

DATA BOOK IV
PHOTOGRAPHS OF STUDY AREA



River System of Lai Nullah



Location of Bridges

IV.1 DAMAGE BY 2001 JULY FLOOD

(in August 2001)

Damage by 2001 Flood (in August 2001)



01 Gawal Mandi Bridge (1)



02 Gawal Mandi Bridge (2)



03 near City Sadar Bridge



04 Ratta Amral Bridge



05 Pir Wadhai Bridge (1)



06 Pir Wadhai Bridge (2)



07 Pir Wadhai Bridge (3)



08 Pir Wadhai Bridge (4)

Damage by 2001 Flood (in August 2001)



09 near Kattarian Bridge



10 Bank Erosion and Collapsed Houses (1)



11 Bank Erosion and Collapsed Houses (2)



12 Bank Erosion and Collapsed Houses (3)



13 Garvages caught in Electric Pole



14 Sediment on Road (1)



15 Sediment on Road (2)



16 Condition of Tributary

IV.2 LAI NULLAH

(in August 2002)

Lai Nullah (in August 2002)



01 Confluence with Soan River (1)



02 Confluence with Soan River (2)



03 Cascade (Upstream of GT Bridge)



04 2km downstream of Chaklala Bridge (1)



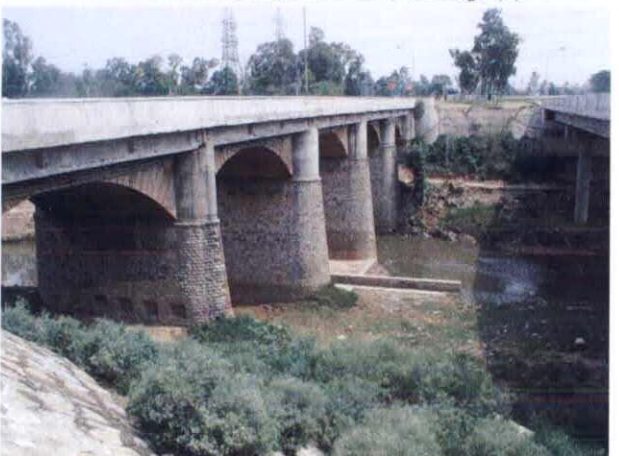
05 2km downstream of Chaklala Bridge (2)



06 2km downstream of Chaklala Bridge (3)



07 Chaklala Bridge (1)



08 Chaklala Bridge (2)

Lai Nullah (in August 2002)



09 Downstream of Chaklala Bridge



10 Upstream of Chaklala Bridge



11 Dohk Chiragh Din Bridge (1)



12 Dohk Chiragh Din Bridge (2)



13 Flood Mark near Dohk Chiragh Din Bridge (1)



14 Flood Mark near Dohk Chiragh Din Bridge (2)



15 Downstream of Dohk Chiragh Din Bridge



16 Upstream of Dohk Chiragh Din Bridge

Lai Nullah (in August 2002)



17 Murree Bridge (1)



18 Murree Bridge (2)



19 Downstream of Murree Bridge (1)



20 Downstream of Murree Bridge (2)



21 near RDA (1)



22 near RDA (2)



23 Ratta Amral Bridge (1)



24 Ratta Amral Bridge (2)

Lai Nullah (in August 2002)



25 Downstream of Ratta Amral Bridge



26 Upstream of Ratta Amral Bridge



27 Gawal Mandi Bridge (1)



28 Gawal Mandi Bridge (2)



29 Downstream of Gawal Mandi Bridge



30 Pir Wadhai Bridge (1)



31 Pir Wadhai Bridge (2)



32 Flood Mark near Pir Wadhai Bridge (1)

Lai Nullah (in August 2002)



33 Flood Mark near Pir Wadhai Bridge (2)



34 Downstream of Pir Wadhai Bridge



35 Kattarian Bridge



36 Downstream of Kattarian Bridge



37 Upstream of Kattarian Bridge (1)



38 Upstream of Kattarian Bridge (2)

IV.3 TRIBUTARIES

(in September 2002)

Tributaries (in September 2002)



01 Dohk Chiraghdin Tributary (Upstream of Confluence)



02 Dohk Chiraghdin Tributary (Confluence)



03 Dohk Chiraghdin Tributary (150m Upstream of Confluence)



04 Arya Nullah (Confluence) (1)



05 Arya Nullah (Confluence) (2)



06 L3 Channel (Confluence) (1)



07 L3 Channel (Confluence) (2)



08 L3 Channel (80m upstream of Confluence)

Tributaries (in September 2002)



09 L3 Channel (100m upstream of Confluence)



10 L3 Channel (120m upstream of Confluence)



11 Workshop Tributary (Confluence) (1)



12 Workshop Tributary (Confluence) (2)



13 Sadar Tributary (Confluence)



14 Sadar Tributary (20m upstream of Confluence)



15 Sadar Tributary (250m upstream of Confluence)



16 Sadar Tributary (300m upstream of Confluence)

Tributaries (in September 2002)



17 Dohk Ratta Nullah (Confluence)



18 Dohk Ratta Nullah (250m upstream of Confluence)



19 Dohk Ratta Nullah (300m upstream of Confluence)



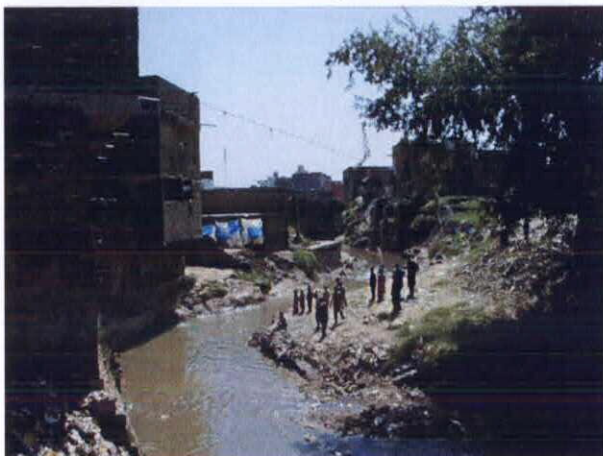
20 Dohk Ratta Nullah (350m upstream of Confluence)



21 Pir Wadhai Kassi (Confluence) (1)



22 Pir Wadhai Kassi (Confluence) (2)

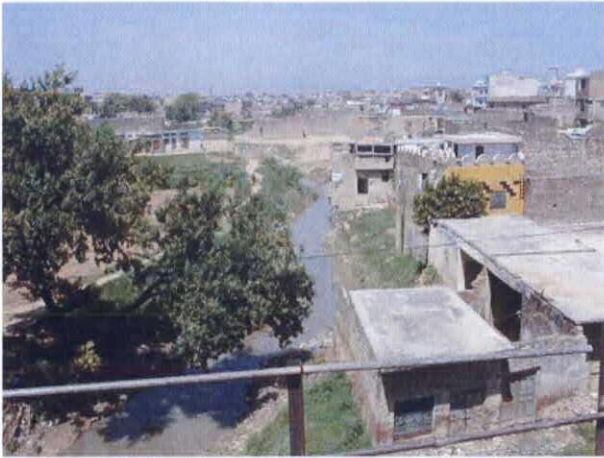


23 Pir Wadhai Kassi (300m upstream of Confluence)



24 Pir Wadhai Kassi (1500m upstream of Confluence)

Tributaries (in September 2002)



25 Pir Wadhai Kassi (1500m upstream of Confluence)



26 Nikki Lai (Confluence)



27 Nikki Lai (150m upstream of Confluence)



28 Nikki Lai (200m upstream of Confluence)

IV.4 KURANG RIVER

(in November 2002)

Kurang River (in November 2002)



01 Newly Developed Area near Confluence (1)



02 Newly Developed Area near Confluence (2)



03 Newly Developed Area near Confluence (3)



04 Newly Developed Area near Confluence (4)



05 Newly Developed Area near Confluence (5)



06 2.5km upstream of Confluence



07 3.0km upstream of Confluence



08 4.0km upstream of Confluence

Kurang River (in November 2002)



09 Islamabad Highway Bridge



10 Upstream of Islamabad Highway Bridge



11 near Khanna Dak Village



12 near Shikrial Village



13 near Soan Village