

Supporting Report for “Chapter 2 Water Resources Potential and Development Plan”

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Table A2.1.1-11(1) Monthly Average and Annual Rainfall in Tafielah Governorate

Station Name :		Hasa Police Post												ID No.:		CF0005	
Hydrological Year	Wet Season								Dry Season						Annual		
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Sub-total	May	Jun.	Jul.	Aug.	Sep.	Sub-total			
1962 / 63	0.0	0.0	1.7	0.0	10.2	2.6	12.5	27.0	23.0	0.0	0.0	0.0	0.0	23.0	50.0		
1963 / 64	0.0	0.0	40.8	7.7	0.0	0.0	0.0	48.5	2.0	0.0	0.0	0.0	0.0	2.0	50.5		
1964 / 65	0.0	0.0	11.6	72.6	0.0	1.0	2.0	87.2	0.0	0.0	0.0	0.0	0.0	0.0	87.2		
1965 / 66	11.1	0.0	0.0	3.8	4.2	9.0	0.0	28.1	0.0	0.0	0.0	0.0	0.0	0.0	28.1		
1966 / 67	21.2	17.7	4.5	13.7	3.5	17.5	0.0	78.1	0.0	0.0	0.0	0.0	0.0	0.0	78.1		
1967 / 68	8.2	17.2	1.0	19.7	13.5	0.0	8.3	67.9	12.0	0.0	0.0	0.0	0.0	12.0	79.9		
1968 / 69	3.7	12.5	0.5	0.0	0.0	17.6	0.0	34.3	0.0	0.0	0.0	0.0	0.0	0.0	34.3		
1969 / 70	6.0	1.0	0.0	4.5	0.0	4.5	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0		
1970 / 71	0.0	0.0	20.9	17.0	0.0	0.0	12.0	49.9	0.0	0.0	0.0	0.0	0.0	0.0	49.9		
1971 / 72	0.0	0.0	45.0	0.0	14.5	13.0	0.0	72.5	16.0	0.0	0.0	0.0	0.0	16.0	88.5		
1972 / 73	0.0	17.0	1.0	9.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0		
1973 / 74	0.0	11.0	0.0	31.5	16.5	19.8	0.0	78.8	0.0	0.0	0.0	0.0	0.0	0.0	78.8		
1974 / 75	0.0	15.0	9.5	4.7	41.5	0.0	0.0	70.7	0.0	0.0	0.0	0.0	0.0	0.0	70.7		
1975 / 76	0.0	0.0	0.0	0.0	0.0	39.0	0.0	39.0	5.1	0.0	0.0	0.0	0.0	5.1	44.1		
1976 / 77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1977 / 78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1978 / 79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1979 / 80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1980 / 81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1981 / 82	-	-	-	-	-	-	-	-	26.0	0.0	0.0	0.0	0.0	26.0	-		
1982 / 83	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-		
1983 / 84	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-		
1984 / 85	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-		
1985 / 86	-	-	-	-	-	-	-	-	9.5	0.0	0.0	0.0	0.0	9.5	-		
1986 / 87	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-		
1987 / 88	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-		
1988 / 89	2.0	0.0	130.0	30.4	41.8	34.2	0.0	238.4	0.0	0.0	0.0	0.0	0.0	0.0	238.4		
1989 / 90	0.0	0.0	0.0	15.4	4.5	20.5	37.0	77.4	0.0	0.0	0.0	0.0	0.0	0.0	77.4		
1990 / 91	0.0	0.0	0.0	17.0	10.0	48.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0		
1991 / 92	0.0	12.5	57.2	37.0	76.0	10.0	0.0	192.7	0.0	0.0	0.0	0.0	0.0	0.0	192.7		
1992 / 93	-	-	-	-	-	-	-	-	7.6	0.0	0.0	0.0	0.0	7.6	-		
1993 / 94	0.0	6.0	22.0	110.0	34.0	30.0	0.0	202.0	0.0	0.0	0.0	0.0	0.0	0.0	202.0		
1994 / 95	0.0	66.2	49.1	0.0	29.7	0.5	0.0	145.5	0.0	0.0	0.0	0.0	0.0	0.0	145.5		
Max.	21.2	66.2	130.0	110.0	76.0	48.0	37.0	238.4	26.0	0.0	0.0	0.0	0.0	26.0	238.4		
Min.	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	16.0		
Mean	2.6	8.8	19.7	19.7	15.0	13.4	3.6	82.8	3.6	0.0	0.0	0.0	0.0	3.6	85.7		
														Std. Dev.	60.1		

Note: "-" data not available. Source: WIS database of MWI.

Table A2.1.1-11(2) Monthly Average and Annual Rainfall in Tafielah Governorate

Station Name : Tafife		ID No.: DB0001													
Hydrological Year	Wet Season								Dry Season						Annual
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Sub-total	May	Jun.	Jul.	Aug.	Sep.	Sub-total	
1937 / 38	42.5	44.5	15.5	140.0	51.0	59.0	0.0	352.5	1.8	0.0	0.0	0.0	0.0	1.8	354.3
1938 / 39	0.0	67.5	35.0	32.5	90.0	71.5	38.5	335.0	0.0	0.0	0.0	0.0	0.0	0.0	335.0
1939 / 40	0.0	136.0	17.0	69.0	18.0	37.0	50.0	327.0	0.0	0.0	0.0	0.0	0.0	0.0	327.0
1940 / 41	1.1	19.0	44.0	12.0	20.0	111.5	1.0	208.6	0.0	0.0	0.0	0.0	0.0	0.0	208.6
1941 / 42	0.0	0.0	136.5	50.0	27.0	92.5	0.0	306.0	0.0	0.0	0.0	0.0	0.0	0.0	306.0
1942 / 43	7.5	21.5	3.0	39.0	89.0	135.5	27.0	322.5	0.0	0.0	0.0	0.0	0.0	0.0	322.5
1943 / 44	0.0	0.0	43.0	125.8	20.0	67.0	38.0	293.8	52.5	0.0	0.0	0.0	0.0	52.5	346.3
1944 / 45	0.0	62.5	140.0	79.5	64.0	31.5	14.5	392.0	72.0	0.0	0.0	0.0	0.0	72.0	464.0
1945 / 46	0.0	52.0	76.5	83.5	83.5	21.5	0.0	317.0	7.0	0.0	0.0	0.0	0.0	7.0	324.0
1946 / 47	0.0	0.0	16.0	32.0	1.0	71.5	10.5	131.0	0.0	0.0	0.0	0.0	0.0	0.0	131.0
1947 / 48	0.0	27.0	2.0	118.0	40.0	70.0	10.0	267.0	0.0	0.0	0.0	0.0	0.0	0.0	267.0
1948 / 49	0.0	14.5	22.5	52.0	83.0	62.5	32.0	266.5	0.0	0.0	0.0	0.0	0.0	0.0	266.5
1949 / 50	0.0	0.0	161.0	37.5	129.5	15.5	5.5	349.0	31.0	0.0	0.0	0.0	0.0	31.0	380.0
1950 / 51	0.0	0.0	14.5	54.0	173.0	24.5	3.0	269.0	0.0	0.0	0.0	0.0	0.0	0.0	269.0
1951 / 52	0.0	6.0	127.0	36.0	107.5	27.5	0.0	304.0	0.0	0.0	0.0	0.0	0.0	0.0	304.0
1952 / 53	2.0	0.0	7.0	0.0	48.5	26.0	22.0	105.5	0.0	0.0	0.0	0.0	0.0	0.0	105.5
1953 / 54	0.0	22.5	90.0	6.0	110.0	37.5	35.0	301.0	0.0	0.0	0.0	0.0	0.0	0.0	301.0
1954 / 55	0.0	28.5	85.5	21.0	4.0	5.0	6.0	150.0	0.0	0.0	0.0	0.0	0.0	0.0	150.0
1955 / 56	0.0	32.6	57.0	43.0	21.0	38.7	21.0	213.3	0.0	0.0	0.0	0.0	0.0	0.0	213.3
1956 / 57	0.0	18.5	28.1	65.2	40.5	84.0	15.5	251.8	11.0	0.0	0.0	0.0	0.0	11.0	262.8
1957 / 58	0.0	11.0	4.4	65.6	5.0	0.0	0.0	86.0	0.0	0.0	0.0	0.0	0.0	0.0	86.0
1958 / 59	0.0	0.0	15.0	5.7	178.0	171.0	13.5	383.2	0.0	0.0	0.0	0.0	0.0	0.0	383.2
1959 / 60	0.0	17.5	7.5	35.5	0.0	26.3	0.0	86.8	0.0	0.0	0.0	0.0	0.0	0.0	86.8
1960 / 61	0.0	25.0	22.3	59.0	100.3	12.2	9.6	228.4	6.0	0.0	0.0	0.0	0.0	6.0	234.4
1961 / 62	3.0	10.5	70.5	17.5	13.5	0.0	21.2	136.2	0.0	0.0	0.0	0.0	0.0	0.0	136.2
1962 / 63	0.0	0.0	4.0	1.0	50.5	11.5	14.2	81.2	2.4	0.0	0.0	0.0	0.0	2.4	83.6
1963 / 64	1.0	4.8	363.7	98.0	87.5	42.5	19.0	616.5	0.0	0.0	0.0	0.0	0.0	0.0	616.5
1964 / 65	0.0	34.2	102.2	488.4	6.5	82.3	37.5	751.1	0.0	0.0	0.0	0.0	0.0	0.0	751.1
1965 / 66	15.6	6.2	6.5	31.5	63.9	43.3	0.0	167.0	0.0	0.0	0.0	0.0	0.0	0.0	167.0
1966 / 67	12.1	12.0	33.6	72.0	61.6	123.5	3.0	317.8	25.4	0.0	0.0	0.0	0.0	25.4	343.2
1967 / 68	7.0	44.0	17.6	91.1	49.3	24.8	43.0	276.8	5.6	0.0	0.0	0.0	0.0	5.6	282.4
1968 / 69	17.0	27.5	59.0	51.2	5.0	102.7	32.4	294.8	0.0	0.0	0.0	0.0	0.0	0.0	294.8
1969 / 70	0.0	20.3	0.4	43.5	0.0	61.5	6.5	132.2	0.0	0.0	0.0	0.0	0.0	0.0	132.2
1970 / 71	0.0	10.0	58.0	31.5	14.0	10.0	133.0	256.5	0.0	0.0	0.0	0.0	0.0	0.0	256.5
1971 / 72	0.0	2.5	166.3	4.5	55.5	192.0	15.5	436.3	3.0	0.0	0.0	0.0	0.0	3.0	439.3
1972 / 73	0.0	14.5	14.0	54.2	0.0	0.0	0.0	82.7	0.0	0.0	0.0	0.0	0.0	0.0	82.7
1973 / 74	0.0	29.0	25.0	216.5	90.0	19.0	23.5	403.0	0.0	0.0	0.0	0.0	0.0	0.0	403.0
1974 / 75	0.0	10.0	112.0	26.0	173.0	18.2	0.0	339.2	0.0	0.0	0.0	0.0	0.0	0.0	339.2
1975 / 76	0.0	0.0	19.5	14.0	29.0	48.0	6.6	117.1	0.0	0.0	0.0	0.0	0.0	0.0	117.1
1976 / 77	3.6	9.0	3.5	85.5	13.5	4.0	124.5	243.6	0.0	0.0	0.0	0.0	0.0	0.0	243.6
1977 / 78	0.0	15.5	95.1	21.0	4.0	28.5	4.8	168.9	0.0	0.0	0.0	0.0	0.0	0.0	168.9
1978 / 79	0.0	0.0	25.5	74.5	43.7	41.0	0.0	184.7	3.8	0.0	0.0	0.0	0.0	3.8	188.5
1979 / 80	2.0	58.5	121.5	40.5	82.0	44.5	17.7	366.7	0.0	0.0	0.0	0.0	0.0	0.0	366.7
1980 / 81	1.6	0.7	188.7	10.2	64.0	42.0	9.2	316.4	0.0	0.0	0.0	0.0	0.0	0.0	316.4
1981 / 82	0.0	17.8	0.0	50.8	63.9	40.8	1.8	175.1	0.0	0.0	0.0	0.0	0.0	0.0	175.1
1982 / 83	0.0	34.5	46.0	160.0	43.0	69.5	0.0	353.0	0.0	0.0	0.0	0.0	0.0	0.0	353.0
1983 / 84	0.0	0.0	10.0	20.2	10.0	54.5	0.0	94.7	0.0	0.0	0.0	0.0	0.0	0.0	94.7
1984 / 85	19.0	0.0	7.5	3.0	121.5	44.2	6.5	201.7	0.0	0.0	0.0	0.0	0.0	0.0	201.7
1985 / 86	0.0	8.5	96.7	19.0	31.5	1.0	59.3	216.0	12.0	0.0	0.0	0.0	0.0	12.0	228.0
1986 / 87	0.0	75.5	15.0	3.0	27.5	90.2	0.0	211.2	0.0	0.0	0.0	0.0	0.0	0.0	211.2
1987 / 88	0.0	0.0	69.8	86.5	91.0	123.0	0.0	370.3	0.0	0.0	0.0	0.0	0.0	0.0	370.3
1988 / 89	2.9	0.0	110.0	71.0	46.5	44.0	0.0	274.4	0.0	0.0	0.0	0.0	0.0	0.0	274.4
1989 / 90	0.0	0.0	1.2	36.0	21.5	35.8	62.0	156.5	0.0	0.0	0.0	0.0	0.0	0.0	156.5
1990 / 91	4.0	0.0	0.0	98.0	22.5	221.7	0.0	346.2	0.0	0.0	0.0	0.0	0.0	0.0	346.2
1991 / 92	31.5	3.0	87.2	91.5	89.0	15.0	1.5	318.7	0.0	0.0	0.0	0.0	0.0	0.0	318.7
1992 / 93	0.0	24.5	84.3	21.5	47.0	21.5	0.0	198.8	0.0	0.0	0.0	0.0	0.0	0.0	198.8
1993 / 94	0.0	5.2	39.0	114.5	67.0	31.3	8.5	265.5	0.0	0.0	0.0	0.0	0.0	0.0	265.5
1994 / 95	20.1	174.4	47.5	0.0	68.1	1.5	0.0	311.6	0.0	0.0	0.0	0.0	0.0	0.0	311.6
1995 / 96	0.0	8.9	4.5	84.5	17.5	99.0	0.0	214.4	0.0	0.0	0.0	0.0	0.0	0.0	214.4
1996 / 97	0.0	5.0	8.2	97.6	72.6	39.7	11.0	234.1	0.0	0.0	0.0	0.0	0.0	0.0	234.1
1997 / 98	12.0	0.0	53.0	108.4	43.5	20.0	0.0	236.9	0.0	0.0	0.0	0.0	0.0	0.0	236.9
1998 / 99	0.0	0.0	3.0	19.6	113.7	14.5	3.0	153.8	0.0	0.0	0.0	0.0	0.0	0.0	153.8
Max.	42.5	174.4	363.7	488.4	178.0	221.7	133.0	751.1	72.0	0.0	0.0	0.0	0.0	72.0	751.1
Min.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.2	0.0	0.0	0.0	0.0	0.0	0.0	81.2
Mean	3.3	20.5	53.9	61.6	55.0	51.7	16.4	262.4	3.8	0.0	0.0	0.0	0.0	3.8	266.2
Std. Dev.															121.8

Source: WIS database of MWI.

Table A2.1.1-11(3) Monthly Average and Annual Rainfall in Tafielah Governorate

Station Name : Dana		ID No.: DE0001													
Hydrological Year	Wet Season								Dry Season					Annual	
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Sub-total	May	Jun.	Jul.	Aug.	Sep.		Sub-total
1945 / 46	0.0	46.4	87.3	116.1	67.0	19.8	0.0	336.6	0.0	0.0	0.0	0.0	0.0	0.0	336.6
1946 / 47	0.0	5.4	8.7	34.1	0.8	121.2	8.6	178.8	0.0	0.0	0.0	0.0	0.0	0.0	178.8
1947 / 48	0.0	15.2	3.5	116.7	49.4	68.2	10.0	263.0	0.0	0.0	0.0	0.0	0.0	0.0	263.0
1948 / 49	0.0	20.0	27.4	47.5	77.6	43.2	14.6	230.3	0.0	0.0	0.0	0.0	0.0	0.0	230.3
1949 / 50	0.0	0.0	127.0	34.2	134.7	24.7	0.0	320.6	39.4	0.0	0.0	0.0	0.0	39.4	360.0
1950 / 51	0.0	0.0	19.3	57.8	199.0	45.9	1.0	323.0	0.0	0.0	0.0	0.0	0.0	0.0	323.0
1951 / 52	0.0	8.2	159.2	41.0	146.8	43.0	4.0	402.2	0.0	0.0	0.0	0.0	0.0	0.0	402.2
1952 / 53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1953 / 54	0.0	22.0	108.0	8.3	84.0	22.5	65.5	310.3	0.0	0.0	0.0	0.0	0.0	0.0	310.3
1954 / 55	0.0	23.6	139.5	39.3	7.0	5.0	6.5	220.9	0.0	0.0	0.0	0.0	0.0	0.0	220.9
1955 / 56	0.0	30.0	75.0	49.0	15.0	73.5	15.0	257.5	0.0	0.0	0.0	0.0	0.0	0.0	257.5
1956 / 57	0.0	0.0	50.8	60.8	47.5	78.0	33.0	270.1	14.0	0.0	0.0	0.0	0.0	14.0	284.1
1957 / 58	0.0	4.3	4.1	52.0	0.0	0.0	0.0	60.4	0.0	0.0	0.0	0.0	0.0	0.0	60.4
1958 / 59	0.0	1.0	14.5	8.5	207.2	28.2	14.5	273.9	0.0	0.0	0.0	0.0	0.0	0.0	273.9
1959 / 60	0.0	44.0	10.0	19.0	0.0	50.0	3.0	126.0	0.0	0.0	0.0	0.0	0.0	0.0	126.0
1960 / 61	0.0	3.0	14.0	45.0	105.2	12.0	7.0	186.2	1.5	0.0	0.0	0.0	0.0	1.5	187.7
1961 / 62	1.0	8.5	64.0	48.9	6.0	0.0	5.0	133.4	0.0	0.0	0.0	0.0	0.0	0.0	133.4
1962 / 63	0.0	0.0	5.0	0.0	34.5	4.0	12.0	55.5	0.0	0.0	0.0	0.0	0.0	0.0	55.5
1963 / 64	1.5	6.0	412.5	70.0	53.2	16.8	20.0	580.0	0.0	0.0	0.0	0.0	0.0	0.0	580.0
1964 / 65	0.0	40.5	68.3	465.5	4.0	0.0	14.2	592.5	0.0	0.0	0.0	0.0	0.0	0.0	592.5
1965 / 66	7.8	1.2	12.7	19.3	90.2	31.5	0.0	162.7	0.0	0.0	0.0	0.0	0.0	0.0	162.7
1966 / 67	15.0	19.5	20.4	53.0	70.3	86.7	1.8	266.7	10.0	0.0	0.0	0.0	0.0	10.0	276.7
1967 / 68	0.0	55.3	28.0	92.2	61.0	12.6	28.5	277.6	5.5	0.0	0.0	0.0	0.0	5.5	283.1
1968 / 69	5.5	26.5	56.1	60.8	1.5	114.0	38.5	302.9	1.5	0.0	0.0	0.0	0.0	1.5	304.4
1969 / 70	0.5	14.8	0.5	33.9	0.0	62.0	9.0	120.7	0.0	0.0	0.0	0.0	0.0	0.0	120.7
1970 / 71	0.0	0.0	75.7	46.6	12.8	12.8	120.8	268.7	0.0	0.0	0.0	0.0	0.0	0.0	268.7
1971 / 72	0.0	1.8	190.0	0.0	68.3	154.0	6.7	420.8	0.0	0.0	0.0	0.0	0.0	0.0	420.8
1972 / 73	0.0	40.5	6.5	54.5	0.0	1.0	0.0	102.5	0.0	0.0	0.0	0.0	0.0	0.0	102.5
1973 / 74	0.0	22.0	15.5	226.0	89.4	10.0	4.0	366.9	0.0	0.0	0.0	0.0	0.0	0.0	366.9
1974 / 75	0.0	0.0	33.8	34.4	148.7	23.0	0.0	239.9	0.0	0.0	0.0	0.0	0.0	0.0	239.9
1975 / 76	0.0	0.0	68.3	9.0	22.5	35.4	0.0	135.2	0.0	0.0	0.0	0.0	0.0	0.0	135.2
1976 / 77	0.0	0.0	0.0	0.0	0.0	0.0	122.0	122.0	0.0	0.0	0.0	0.0	0.0	0.0	122.0
1977 / 78	0.0	18.3	108.0	22.5	18.3	19.6	0.0	186.7	0.0	0.0	0.0	0.0	0.0	0.0	186.7
1978 / 79	0.0	0.0	67.6	78.8	50.7	68.5	0.0	265.6	5.1	0.0	0.0	0.0	0.0	5.1	270.7
1979 / 80	4.4	59.0	126.5	36.0	79.8	51.6	0.0	357.3	2.8	0.0	0.0	0.0	0.0	2.8	360.1
1980 / 81	8.3	0.0	173.3	5.5	28.5	100.4	20.0	336.0	0.0	0.0	0.0	0.0	0.0	0.0	336.0
1981 / 82	0.0	12.6	0.0	38.2	112.2	38.2	0.0	201.2	5.5	0.0	0.0	0.0	0.0	5.5	206.7
1982 / 83	0.0	55.0	48.8	32.0	69.0	64.5	0.0	269.3	0.0	0.0	0.0	0.0	0.0	0.0	269.3
1983 / 84	0.0	2.0	8.7	30.2	8.0	53.5	0.0	102.4	0.0	0.0	0.0	0.0	0.0	0.0	102.4
1984 / 85	18.6	0.0	27.0	4.2	112.2	31.0	0.0	193.0	0.0	0.0	0.0	0.0	0.0	0.0	193.0
1985 / 86	0.0	0.7	139.5	10.5	36.5	1.6	69.5	258.3	5.1	0.0	0.0	0.0	0.0	5.1	263.4
1986 / 87	0.0	45.4	17.7	5.0	15.5	70.5	0.0	154.1	0.0	0.0	0.0	0.0	0.0	0.0	154.1
1987 / 88	0.0	0.0	46.0	61.8	99.0	119.4	0.0	326.2	0.0	0.0	0.0	0.0	0.0	0.0	326.2
1988 / 89	1.6	0.0	88.8	78.0	50.5	43.1	0.0	262.0	0.0	0.0	0.0	0.0	0.0	0.0	262.0
1989 / 90	6.3	0.0	7.5	50.6	30.6	60.6	83.0	238.6	0.0	0.0	0.0	0.0	0.0	0.0	238.6
1990 / 91	7.0	0.0	0.0	103.0	46.5	242.0	0.0	398.5	0.0	0.0	0.0	0.0	0.0	0.0	398.5
1991 / 92	0.0	9.8	80.7	91.0	189.0	0.0	0.0	370.5	0.0	0.0	0.0	0.0	0.0	0.0	370.5
1992 / 93	0.0	30.0	142.2	40.5	91.1	20.5	0.0	324.3	0.0	0.0	0.0	0.0	0.0	0.0	324.3
1993 / 94	0.0	12.9	26.0	61.5	87.0	54.5	3.0	244.9	0.0	0.0	0.0	0.0	0.0	0.0	244.9
1994 / 95	8.0	252.2	29.5	0.0	91.5	1.7	10.0	392.9	0.0	0.0	0.0	0.0	0.0	0.0	392.9
1995 / 96	0.0	10.5	2.0	67.0	10.0	44.0	0.0	133.5	0.0	0.0	0.0	0.0	0.0	0.0	133.5
1996 / 97	0.0	9.0	16.6	106.0	38.0	21.6	12.0	203.2	0.0	0.0	0.0	0.0	0.0	0.0	203.2
1997 / 98	12.5	0.0	35.0	65.3	38.8	27.5	0.0	179.1	0.0	0.0	0.0	0.0	0.0	0.0	179.1
1998 / 99	0.0	0.0	4.3	27.5	61.1	4.0	0.5	97.4	0.0	0.0	0.0	0.0	0.0	0.0	97.4
Max.	18.6	252.2	412.5	465.5	207.2	242.0	122.0	592.5	39.4	0.0	0.0	0.0	0.0	39.4	592.5
Min.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.5	0.0	0.0	0.0	0.0	0.0	0.0	55.5
Mean	1.8	18.4	58.5	55.8	59.8	44.1	14.4	252.9	1.7	0.0	0.0	0.0	0.0	1.7	254.6
Std. Dev.															114.0

Note: "-" data not available. Source: WIS database of MWI.

Table A2.1.1-12(1) Monthly Average and Annual Rainfall in Aqaba Governorate

Station Name : Aqaba		ID No.: ED0001														
Hydrological Year	Wet Season								Dry Season					Sub-total	Annual	
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Sub-total	May	Jun.	Jul.	Aug.	Sep.			
1940 / 41	0.0	0.0	3.0	0.0	4.0	13.5	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5
1941 / 42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1942 / 43	0.0	2.7	0.0	0.0	2.8	3.0	2.8	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3
1943 / 44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1944 / 45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1945 / 46	0.0	0.0	0.0	0.0	0.0	5.7	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
1946 / 47	0.0	0.3	1.5	6.0	0.3	26.7	0.0	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.8
1947 / 48	0.0	21.3	0.7	0.0	0.0	0.0	1.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0
1948 / 49	0.0	1.5	0.0	0.0	0.5	0.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
1949 / 50	0.0	0.0	32.1	70.0	0.0	12.3	0.0	114.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.4
1950 / 51	0.0	24.0	5.0	4.5	3.0	0.0	0.0	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.5
1951 / 52	0.0	0.0	8.4	0.0	32.0	0.0	0.0	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.4
1952 / 53	0.0	0.0	0.0	2.5	14.0	12.0	37.0	65.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5
1953 / 54	0.0	0.5	0.0	1.0	26.0	0.0	0.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5
1954 / 55	0.0	0.7	25.0	0.0	0.0	0.0	0.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7
1955 / 56	0.0	3.4	74.0	0.0	0.0	0.0	0.0	77.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.4
1956 / 57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1957 / 58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1958 / 59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1959 / 60	0.0	0.0	7.1	1.8	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
1960 / 61	0.0	1.8	1.4	4.3	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
1961 / 62	4.0	0.0	51.0	4.9	1.0	0.0	0.0	60.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.9
1962 / 63	0.0	0.0	0.2	0.6	3.4	3.0	39.9	47.1	0.8	0.0	0.0	0.0	0.0	0.0	0.8	47.9
1963 / 64	0.5	0.6	8.8	7.3	0.0	0.0	2.2	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4
1964 / 65	0.0	0.0	19.5	27.0	0.0	4.8	1.8	53.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.1
1965 / 66	0.2	1.0	0.0	36.8	12.1	3.5	0.0	53.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6
1966 / 67	0.0	0.4	0.2	0.4	0.9	1.9	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
1967 / 68	2.0	0.6	0.0	1.2	6.1	1.9	1.6	13.4	28.4	0.0	0.0	0.0	0.0	0.0	28.4	41.8
1968 / 69	0.0	27.2	0.8	16.1	0.0	25.7	5.7	75.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.5
1969 / 70	0.7	3.4	0.0	1.2	0.0	0.2	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
1970 / 71	0.0	0.4	0.0	17.8	0.7	6.1	21.7	46.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.7
1971 / 72	0.0	2.6	20.9	5.6	1.6	4.6	1.0	36.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.3
1972 / 73	0.0	15.6	0.0	0.0	0.0	0.0	1.2	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8
1973 / 74	2.0	12.8	0.3	8.5	6.4	5.5	0.0	35.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5
1974 / 75	0.0	1.5	14.1	1.0	67.2	0.3	0.1	84.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.2
1975 / 76	0.0	0.0	17.3	0.0	0.0	6.3	0.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6
1976 / 77	0.0	0.1	1.5	0.7	0.0	0.1	12.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4
1977 / 78	0.0	0.0	13.5	7.6	15.4	0.0	0.0	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.5
1978 / 79	0.0	0.0	17.3	0.0	19.2	0.0	0.0	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.5
1979 / 80	0.0	0.0	0.0	0.0	0.7	3.7	0.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
1980 / 81	0.0	0.0	43.3	1.8	0.0	1.6	0.6	47.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3
1981 / 82	0.0	0.0	0.0	9.5	17.4	4.7	11.5	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.1
1982 / 83	0.0	11.7	0.0	0.0	5.7	7.8	0.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2
1983 / 84	0.0	0.0	0.7	2.8	0.0	5.1	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
1984 / 85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985 / 86	0.0	0.0	15.7	0.0	2.0	0.0	10.7	28.4	13.9	0.0	0.0	0.0	0.0	0.0	13.9	42.3
1986 / 87	0.0	8.7	0.6	0.0	11.4	9.4	0.0	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
1987 / 88	21.8	0.0	17.9	20.6	3.0	6.1	0.0	69.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.4
1988 / 89	0.4	0.2	2.0	1.0	1.8	5.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4
1989 / 90	0.0	0.0	0.0	0.0	0.0	9.5	12.4	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9
1990 / 91	0.0	0.0	0.0	4.5	0.0	13.9	0.0	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4
1991 / 92	1.3	0.0	3.6	6.4	2.1	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
1992 / 93	0.0	10.6	0.5	5.6	4.3	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0
1993 / 94	9.3	0.0	33.1	37.3	1.0	4.7	0.2	85.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.6
1994 / 95	0.2	5.4	0.0	0.0	6.2	0.0	3.4	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2
1995 / 96	0.0	0.0	0.0	0.8	0.5	0.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1996 / 97	0.0	0.2	0.4	9.0	0.7	3.3	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6
1997 / 98	28.0	0.0	0.3	0.8	0.3	1.3	0.3	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0
1998 / 99	0.0	0.3	0.0	0.7	28.3	1.9	0.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2
Max.	28.0	27.2	74.0	70.0	67.2	26.7	39.9	114.4	28.4	0.0	0.0	0.0	0.0	0.0	28.4	114.4
Min.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Mean	1.4	3.1	8.5	6.3	5.8	4.2	3.2	32.4	0.8	0.0	0.0	0.0	0.0	0.0	0.8	33.2
Note: "-" data not available. Source: WIS database of MWI.																Std. Dev. 24.6

Table A2.1.1-12(2) Monthly Average and Annual Rainfall in Aqaba Governorate

Station Name : Ras En-Naqb		ID No.: ED0002													
Hydrological Year	Wet Season								Dry Season						Annual
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Sub-total	May	Jun.	Jul.	Aug.	Sep.	Sub-total	
1951 / 52	0.0	2.3	41.0	35.0	120.2	3.1	0.0	201.6	0.0	0.0	0.0	0.0	0.0	0.0	201.6
1952 / 53	0.0	0.0	2.0	15.0	18.5	35.1	28.0	98.6	0.0	0.0	0.0	0.0	0.0	0.0	98.6
1953 / 54	0.0	4.0	32.9	21.0	75.1	19.0	43.0	195.0	0.0	0.0	0.0	0.0	0.0	0.0	195.0
1954 / 55	0.0	17.3	84.0	12.0	0.0	8.5	4.0	125.8	0.0	0.0	0.0	0.0	0.0	0.0	125.8
1955 / 56	0.0	18.5	83.9	15.0	5.2	24.5	0.0	147.1	0.0	0.0	0.0	0.0	0.0	0.0	147.1
1956 / 57	0.0	2.2	25.6	61.0	36.0	29.5	34.0	188.3	16.0	0.0	0.0	0.0	0.0	16.0	204.3
1957 / 58	0.0	46.2	7.0	51.0	0.0	0.0	0.0	104.2	0.0	0.0	0.0	0.0	0.0	0.0	104.2
1958 / 59	0.0	5.5	16.5	10.5	69.5	26.0	0.0	128.0	0.0	0.0	0.0	0.0	0.0	0.0	128.0
1959 / 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1960 / 61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1961 / 62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1962 / 63	0.0	0.0	0.0	0.0	38.0	0.0	26.4	64.4	0.0	0.0	0.0	0.0	0.0	0.0	64.4
1963 / 64	0.0	0.0	93.8	21.9	23.5	0.0	0.0	139.2	0.0	0.0	0.0	0.0	0.0	0.0	139.2
1964 / 65	0.0	4.0	57.7	160.5	0.0	28.2	4.0	254.4	0.0	0.0	0.0	0.0	0.0	0.0	254.4
1965 / 66	9.0	0.0	0.0	19.4	44.6	48.0	0.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0	121.0
1966 / 67	2.5	11.5	9.6	5.1	11.4	17.5	0.0	57.6	11.0	0.0	0.0	0.0	0.0	11.0	68.6
1967 / 68	13.5	23.3	6.2	5.7	21.5	6.7	3.8	80.7	39.5	0.0	0.0	0.0	0.0	39.5	120.2
1968 / 69	0.0	22.7	6.3	42.6	0.0	63.0	35.3	169.9	0.0	0.0	0.0	0.0	0.0	0.0	169.9
1969 / 70	0.0	1.1	0.0	12.8	1.5	14.7	1.8	31.9	0.0	0.0	0.0	0.0	0.0	0.0	31.9
1970 / 71	0.0	4.5	23.0	18.1	4.0	4.9	86.4	140.9	0.0	0.0	0.0	0.0	0.0	0.0	140.9
1971 / 72	0.0	4.0	45.1	7.0	18.8	60.5	5.2	140.6	0.0	0.0	0.0	0.0	0.0	0.0	140.6
1972 / 73	0.0	27.0	13.8	17.6	0.0	0.0	1.5	59.9	0.0	0.0	0.0	0.0	0.0	0.0	59.9
1973 / 74	0.0	20.9	4.5	164.5	74.6	36.1	3.8	304.4	0.0	0.0	0.0	0.0	0.0	0.0	304.4
1974 / 75	0.0	11.5	54.6	9.1	80.6	12.6	1.2	169.6	0.0	0.0	0.0	0.0	0.0	0.0	169.6
1975 / 76	0.0	0.5	39.8	2.0	2.0	28.8	0.0	73.1	2.2	0.0	0.0	0.0	0.0	2.2	75.3
1976 / 77	0.0	0.0	0.0	26.2	12.6	6.0	49.3	94.1	0.0	0.0	0.0	0.0	0.0	0.0	94.1
1977 / 78	0.0	0.0	21.4	16.5	10.0	35.0	0.0	82.9	0.0	0.0	0.0	0.0	0.0	0.0	82.9
1978 / 79	0.0	0.0	20.5	7.5	33.1	25.0	0.0	86.1	0.0	0.0	0.0	0.0	0.0	0.0	86.1
1979 / 80	0.0	0.0	65.0	4.5	45.3	29.0	0.0	143.8	0.0	0.0	0.0	0.0	0.0	0.0	143.8
1980 / 81	0.0	0.0	101.0	0.0	0.0	0.0	0.0	101.0	0.0	0.0	0.0	0.0	0.0	0.0	101.0
1981 / 82	0.0	0.0	0.0	11.5	58.5	1.5	0.0	71.5	5.5	0.0	0.0	0.0	0.0	5.5	77.0
1982 / 83	0.0	24.0	8.6	3.4	15.5	14.0	0.0	65.5	0.0	0.0	0.0	0.0	0.0	0.0	65.5
1983 / 84	0.0	0.0	0.0	0.0	2.0	22.5	0.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0	24.5
1984 / 85	0.0	0.0	26.5	7.0	42.0	55.0	0.0	130.5	0.0	0.0	0.0	0.0	0.0	0.0	130.5
1985 / 86	0.0	0.0	72.9	0.0	27.8	15.0	5.5	121.2	12.3	0.0	0.0	0.0	0.0	12.3	133.5
1986 / 87	0.0	38.2	13.4	0.8	21.2	30.8	0.0	104.4	0.0	0.0	0.0	0.0	0.0	0.0	104.4
1987 / 88	7.8	0.0	28.6	39.0	29.8	68.4	2.0	175.6	0.0	0.0	0.0	0.0	0.0	0.0	175.6
1988 / 89	2.2	0.2	15.5	12.8	15.5	0.0	0.0	46.2	0.0	0.0	0.0	0.0	0.0	0.0	46.2
1989 / 90	0.0	0.0	1.4	0.0	0.0	18.0	40.0	59.4	0.0	0.0	0.0	0.0	0.0	0.0	59.4
1990 / 91	2.7	0.0	7.0	2.8	0.0	84.7	0.0	97.2	0.0	0.0	0.0	0.0	0.0	0.0	97.2
1991 / 92	0.0	0.6	0.0	25.6	38.9	0.0	0.0	65.1	0.0	0.0	0.0	0.0	0.0	0.0	65.1
1992 / 93	0.0	0.0	13.6	26.2	9.5	1.7	0.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	51.0
1993 / 94	0.0	0.0	0.0	35.6	21.0	0.0	0.0	56.6	0.0	0.0	0.0	0.0	0.0	0.0	56.6
1994 / 95	10.4	23.4	18.8	0.0	38.0	0.0	12.5	103.1	0.0	0.0	0.0	0.0	0.0	0.0	103.1
1995 / 96	0.0	0.6	0.6	6.2	2.0	7.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	16.4
1996 / 97	0.0	6.6	0.6	1.2	4.8	3.6	0.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	16.8
1997 / 98	19.0	0.0	62.1	99.6	66.5	48.2	3.0	298.4	1.5	0.0	0.0	0.0	0.0	1.5	299.9
1998 / 99	0.0	0.0	14.5	38.6	96.4	6.3	8.2	164.0	0.0	0.0	0.0	0.0	0.0	0.0	164.0
Max.	19.0	46.2	101.0	164.5	120.2	84.7	86.4	304.4	39.5	0.0	0.0	0.0	0.0	39.5	304.4
Min.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	16.4
Mean	1.5	7.1	25.3	23.8	27.5	20.9	8.9	114.9	2.0	0.0	0.0	0.0	0.0	2.0	116.9
															Std. Dev. 66.2

Note: "-" data not available. Source: WIS database of MWI.

Table A2.1.1-13 Monthly and Annual Evaporation in Amman Governorate

Station Name : Amman Airport		ID No.: AL0019														
Water Year	Wet Season (mm)															Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total		
1966 / 67	202.0	144.0	79.5	85.1	86.0	115.0	175.5	240.5	1,127.6	340.5	356.0	328.2	245.0	1,269.7	2,397.3	
1967 / 68	178.0	82.0	73.0	70.0	101.0	132.0	176.0	247.0	1,059.0	275.0	323.0	310.0	236.0	1,144.0	2,203.0	
1968 / 69	211.0	156.0	115.0	75.0	124.0	136.0	188.0	339.0	1,344.0	428.0	373.5	409.0	318.1	1,528.6	2,872.6	
1969 / 70	199.3	135.0	128.0	92.7	110.5	192.2	221.0	286.0	1,364.7	351.0	376.0	372.0	115.0	1,214.0	2,578.7	
1970 / 71	187.0	131.0	91.0	103.7	108.1	150.0	139.7	274.6	1,185.1	302.0	297.8	305.9	264.3	1,170.0	2,355.1	
1971 / 72	219.8	153.0	67.0	88.0	95.5	146.0	160.3	267.0	1,196.6	211.5	341.0	373.0	292.0	1,217.5	2,414.1	
1972 / 73	272.0	118.0	85.0	135.0	141.0	217.0	255.0	376.0	1,599.0	402.0	413.0	291.9	256.0	1,362.9	2,961.9	
1973 / 74	214.0	116.1	75.5	47.6	100.3	105.0	175.0	298.0	1,131.5	324.0	394.0	305.0	284.0	1,307.0	2,438.5	
1974 / 75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1975 / 76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1976 / 77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1977 / 78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1978 / 79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1979 / 80	-	-	-	-	-	-	153.1	303.2	-	372.3	335.3	323.3	235.1	1,266.0	-	
1980 / 81	227.0	139.0	59.0	89.0	64.1	146.3	199.9	221.2	1,145.5	282.6	257.2	278.2	229.8	1,047.8	2,193.3	
1981 / 82	214.3	94.0	127.4	-	-	-	-	-	-	-	-	-	-	-	-	
1982 / 83	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	
1983 / 84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1984 / 85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1985 / 86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1986 / 87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1987 / 88	-	-	-	1.5	-	-	-	-	-	216.2	178.4	212.0	133.6	740.2	-	
1988 / 89	137.7	102.2	64.0	36.9	78.8	109.5	238.6	201.0	968.7	199.2	238.1	205.7	204.4	847.4	1,816.1	
1989 / 90	164.4	108.9	82.6	79.6	97.2	155.6	204.3	327.7	1,220.3	378.3	260.4	280.5	200.3	1,119.5	2,339.8	
1990 / 91	175.6	164.2	151.2	94.0	92.2	160.0	198.4	264.0	1,299.6	262.1	247.5	211.1	224.9	945.6	2,245.2	
1991 / 92	180.1	146.7	83.6	58.5	45.2	86.6	164.2	203.1	968.0	192.7	167.3	174.3	179.8	714.1	1,682.1	
1992 / 93	0.0	59.9	54.0	72.2	78.2	141.0	194.3	184.7	784.3	152.6	197.1	202.0	212.3	764.0	1,548.3	
1993 / 94	185.6	99.3	73.9	71.5	72.2	105.5	176.7	153.4	938.1	133.0	192.7	116.6	193.2	635.5	1,573.6	
1994 / 95	143.3	79.9	64.7	52.8	69.2	116.9	177.9	292.0	996.7	132.5	218.6	212.5	163.6	727.2	1,723.9	
1995 / 96	182.5	114.8	54.4	62.1	95.2	102.5	163.2	191.4	966.1	192.5	191.8	191.0	201.2	776.5	1,742.6	
1996 / 97	150.9	89.8	67.6	59.9	69.8	82.5	141.2	200.7	862.4	211.9	188.2	-	-	-	-	
1997 / 98	167.3	87.4	69.8	56.5	-	-	-	-	-	-	-	-	-	-	-	
1998 / 99	-	-	-	-	-	-	-	223.8	-	194.4	189.6	135.7	222.6	742.3	-	
1999 / 00	163.0	117.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Max.	272.0	164.2	151.2	135.0	141.0	217.0	255.0	376.0	1,599.0	428.0	413.0	409.0	318.1	1,528.6	2,961.9	
Min.	0.0	2.6	54.0	1.5	45.2	82.5	139.7	153.4	784.3	132.5	167.3	116.6	115.0	635.5	1,548.3	
Mean	179.8	111.0	83.3	71.6	90.5	133.3	184.3	254.7	1,108.4	264.5	273.2	261.9	220.6	1,020.1	2,128.5	
														Std. Dev.	421.9	

Table A2.1.1-14 Monthly and Annual Evaporation in Zarqa Governorate

Station Name : Khirebit Es Samra		ID No.: AL0066														
Water Year	Wet Season (mm)															Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total		
1985 / 86	147.9	89.9	54.5	33.6	44.7	115.7	126.2	223.1	835.6	445.0	447.0	409.0	436.0	1,737.0	2,572.6	
1986 / 87	229.9	139.8	119.0	63.0	107.5	170.2	230.7	371.6	1,431.7	353.6	364.0	325.5	273.5	1,316.6	2,748.3	
1987 / 88	145.6	110.2	68.8	50.4	72.8	112.0	179.0	272.2	1,011.0	323.6	361.2	317.3	261.9	1,264.0	2,275.0	
1988 / 89	145.8	87.7	51.8	131.6	54.1	55.0	224.5	343.0	1,093.5	373.5	236.0	271.5	218.0	1,099.0	2,192.5	
1989 / 90	155.0	78.9	38.3	30.3	41.8	116.0	134.5	262.0	856.8	312.0	272.0	318.5	215.5	1,118.0	1,974.8	
1990 / 91	186.0	85.8	59.2	40.1	56.0	115.6	130.5	266.0	939.2	242.5	303.0	241.7	214.6	1,001.8	1,941.0	
1991 / 92	130.0	82.7	33.1	35.9	27.5	117.1	123.5	271.0	820.8	208.5	310.0	286.0	225.5	1,030.0	1,850.8	
1992 / 93	170.0	82.0	40.1	-	50.5	92.6	202.0	216.0	-	295.0	-	227.0	183.0	705.0	-	
1993 / 94	132.0	60.3	45.5	52.5	52.5	86.0	166.5	166.0	761.3	244.0	227.5	223.0	172.3	866.8	1,628.1	
1994 / 95	121.0	50.5	32.0	41.0	43.0	79.5	149.0	167.9	683.9	248.5	253.0	212.5	173.5	887.5	1,571.4	
1995 / 96	142.5	80.0	44.5	47.1	59.5	83.1	102.7	203.0	762.4	259.5	275.5	232.5	185.0	952.5	1,714.9	
1996 / 97	118.8	78.0	53.5	42.8	44.5	77.5	-	-	-	-	-	-	-	-	-	
1997 / 98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1998 / 99	-	-	-	-	-	-	203.0	338.0	-	346.0	-	-	-	-	-	
Max.	229.9	139.8	119.0	131.6	107.5	170.2	230.7	371.6	1,431.7	445.0	447.0	409.0	436.0	1,737.0	2,748.3	
Min.	118.8	50.5	32.0	30.3	27.5	55.0	102.7	166.0	683.9	208.5	227.5	212.5	172.3	705.0	1,571.4	
Mean	152.0	85.5	53.4	51.7	54.5	101.7	164.3	258.3	921.4	304.3	304.9	278.6	232.6	1,120.4	2,041.9	
														Std. Dev.	375.3	

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-16 Monthly and Annual Evaporation in Irbid Governorate

Station Name : Samaer Evap. Station		ID No.: AD0034													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1985 / 86	192.8	197.9	118.1	128.2	90.6	145.8	215.9	148.7	1,238.0	215.5	252.0	254.0	265.7	987.2	2,225.2
1986 / 87	180.9	111.8	85.5	120.8	111.0	87.6	165.5	255.0	1,118.1	247.0	276.0	196.0	223.0	942.0	2,060.1
1987 / 88	-	193.0	77.7	54.6	100.1	84.7	184.9	258.0	-	240.0	232.0	216.0	224.0	912.0	-
1988 / 89	144.0	142.5	92.7	63.2	116.3	124.4	248.0	251.0	1,182.1	229.0	248.0	221.0	205.0	903.0	2,085.1
1989 / 90	181.3	150.7	84.2	84.8	70.6	129.4	146.8	207.2	1,055.0	228.0	218.0	216.0	166.9	828.9	1,883.9
1990 / 91	237.1	206.6	163.4	85.5	116.0	116.3	195.5	209.0	1,329.4	234.0	191.9	229.0	230.0	884.9	2,214.3
1991 / 92	258.9	161.4	92.0	95.7	62.4	139.7	161.2	201.6	1,172.9	206.3	205.0	224.0	228.0	863.3	2,036.2
1992 / 93	237.0	198.9	82.2	114.4	94.2	153.3	189.7	151.6	1,221.3	240.0	216.0	208.0	194.0	858.0	2,079.3
1993 / 94	272.5	174.5	149.8	105.1	96.9	92.5	240.6	258.1	1,390.0	225.0	224.0	75.0	132.0	656.0	2,046.0
1994 / 95	256.1	83.5	94.4	108.5	88.9	132.1	159.8	247.9	1,171.2	224.0	193.2	192.0	181.0	790.2	1,961.4
1995 / 96	193.0	181.3	112.4	85.3	91.6	87.0	166.8	218.0	1,135.4	209.0	203.0	185.0	199.0	796.0	1,931.4
1996 / 97	171.9	237.2	91.5	119.3	101.6	111.5	161.3	274.4	1,268.7	208.0	215.0	180.0	172.2	775.2	2,043.9
1997 / 98	187.8	142.3	138.3	99.1	-	-	-	-	-	-	-	-	-	-	-
1998 / 99	-	-	-	-	-	-	-	267.0	-	-	223.0	288.0	227.0	-	-
1999 / 00	184.2	207.1	192.2	-	-	-	-	-	-	-	-	-	-	-	-
Max.	272.5	237.2	192.2	128.2	116.3	153.3	248.0	274.4	1,390.0	247.0	276.0	288.0	265.7	987.2	2,225.2
Min.	144.0	83.5	77.7	54.6	62.4	84.7	146.8	148.7	1,055.0	206.3	191.9	75.0	132.0	656.0	1,883.9
Mean	207.5	170.6	112.5	97.3	95.0	117.0	186.3	226.7	1,213.0	225.5	222.9	206.5	203.7	858.5	2,071.4
															Std. Dev. 99.8

Table A2.1.1-17 Monthly and Annual Evaporation in Ajloun Governorate

Station Name : Mushaqqar Evap. Station		ID No.: CC0004													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1984 / 85	-	-	83.0	101.9	78.1	192.1	204.6	253.0	-	311.0	338.0	337.0	271.0	1,257.0	-
1985 / 86	198.6	148.2	95.4	81.2	73.3	152.5	245.0	251.4	1,047.0	347.0	346.0	304.0	274.0	1,271.0	2,318.0
1986 / 87	205.2	86.4	64.3	96.6	101.3	100.4	171.6	296.0	916.6	301.0	347.0	310.0	267.0	1,225.0	2,141.6
1987 / 88	169.1	186.2	64.0	53.7	62.4	96.5	183.3	280.0	926.1	277.0	273.4	269.0	240.0	1,059.4	1,985.5
1988 / 89	139.0	113.0	56.0	25.0	85.0	129.0	236.0	291.0	935.0	292.2	342.0	318.0	269.0	1,221.2	2,156.2
1989 / 90	213.0	135.0	83.0	61.0	58.0	117.0	156.0	237.0	847.0	269.0	280.0	275.0	218.0	1,042.0	1,889.0
1990 / 91	254.0	183.0	143.0	83.8	79.7	122.5	207.0	267.0	1,086.0	303.0	289.0	247.0	237.0	1,076.0	2,162.0
1991 / 92	214.0	139.5	58.5	42.0	18.0	97.0	156.0	212.0	723.0	265.5	256.0	245.0	213.0	979.5	1,702.5
1992 / 93	242.0	160.0	22.0	45.0	56.0	148.0	201.0	232.0	864.0	313.0	328.0	321.0	247.0	1,209.0	2,073.0
1993 / 94	249.0	137.0	102.0	79.0	87.0	97.0	305.0	338.0	1,145.0	307.0	305.9	299.0	270.0	1,181.9	2,326.9
1994 / 95	209.0	63.0	52.0	77.0	82.0	127.0	177.0	304.0	882.0	307.0	256.0	283.0	243.0	1,089.0	1,971.0
1995 / 96	189.0	158.0	82.0	60.0	89.0	81.0	171.0	301.0	942.0	339.0	336.0	288.0	261.0	1,224.0	2,166.0
1996 / 97	192.0	160.0	103.0	-	69.0	73.0	198.0	-	-	297.0	297.0	232.0	215.0	1,041.0	-
1997 / 98	195.0	131.8	45.0	48.0	65.2	84.0	181.0	279.0	834.0	279.0	367.0	447.0	275.0	1,368.0	2,202.0
1998 / 99	230.0	177.0	143.0	110.2	100.0	169.4	226.0	356.0	1,281.6	293.0	330.0	304.0	-	-	-
Max.	254.0	186.2	143.0	110.2	101.3	192.1	305.0	356.0	1,281.6	347.0	367.0	447.0	275.0	1,368.0	2,326.9
Min.	139.0	63.0	22.0	25.0	18.0	73.0	156.0	212.0	723.0	265.5	256.0	232.0	213.0	979.5	1,702.5
Mean	207.1	141.3	79.7	68.9	73.6	119.1	201.2	278.4	1,169.3	300.0	312.8	298.6	250.0	1,161.4	2,330.7
															Std. Dev. 171.9

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-18 Monthly and Annual Evaporation in Jarash Governorate

Station Name : **King Talal Dam**

ID No.: **AL0053**

Water Year	Wet Season (mm)										Annual (mm)				
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total						
1972 / 73	-	78.0	-	179.0	100.0	156.0	202.0	266.0	-	332.0	380.0	340.0	302.0	1,354.0	-
1973 / 74	264.0	150.0	102.0	99.0	112.0	121.0	169.0	269.0	1,286.0	308.0	351.0	298.0	-	-	-
1974 / 75	-	-	-	-	98.0	171.0	240.0	233.0	-	219.0	231.0	232.0	185.0	867.0	-
1975 / 76	157.0	117.0	119.0	84.0	74.0	121.0	175.0	267.0	1,114.0	321.0	342.0	-	298.0	961.0	-
1976 / 77	318.0	238.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1977 / 78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1978 / 79	229.8	142.4	69.9	62.3	87.6	170.6	244.1	288.9	1,295.6	370.2	373.3	375.8	322.6	1,441.9	2,737.5
1979 / 80	220.6	288.9	92.8	-	85.8	138.3	201.0	297.6	-	351.6	355.4	342.2	273.6	1,322.8	-
1980 / 81	223.8	182.0	74.1	72.9	55.1	139.4	-	303.5	-	418.0	402.2	370.4	321.5	1,512.1	-
1981 / 82	246.3	121.9	118.8	112.2	90.9	131.6	201.9	304.9	1,328.5	378.0	394.2	367.5	281.5	1,421.2	2,749.7
1982 / 83	236.5	148.9	91.2	74.0	60.8	101.2	172.7	262.5	1,147.8	342.5	349.0	318.5	272.5	1,282.5	2,430.3
1983 / 84	211.3	126.5	118.7	85.8	124.3	176.1	194.6	330.2	1,367.5	360.0	399.1	342.8	293.0	1,394.9	2,762.4
1984 / 85	235.5	121.8	98.1	99.5	93.9	157.4	211.2	295.4	1,312.8	355.0	397.3	369.5	318.6	1,440.4	2,753.2
1985 / 86	227.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986 / 87	220.0	94.9	72.9	80.2	134.9	110.4	216.7	317.0	1,247.0	256.0	440.0	405.5	347.0	1,448.5	2,695.5
1987 / 88	208.0	195.5	65.9	66.9	78.0	86.9	144.5	307.0	1,152.7	348.0	372.0	358.0	287.5	1,365.5	2,518.2
1988 / 89	190.7	143.2	81.6	-	-	-	-	-	-	-	-	-	-	-	-
1989 / 90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990 / 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991 / 92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992 / 93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993 / 94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994 / 95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995 / 96	-	-	101.9	102.8	129.0	100.1	166.0	261.5	-	268.0	314.0	310.0	257.0	1,149.0	-
1996 / 97	184.5	133.0	87.6	95.8	73.7	87.0	162.5	265.0	1,089.1	315.0	332.0	-	-	-	-
1997 / 98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max.	318.0	288.9	119.0	179.0	134.9	176.1	244.1	330.2	1,367.5	418.0	440.0	405.5	347.0	1,512.1	2,762.4
Min.	157.0	78.0	65.9	62.3	55.1	86.9	144.5	233.0	1,089.1	219.0	231.0	232.0	185.0	867.0	2,430.3
Mean	224.9	152.1	92.5	93.4	93.2	131.2	192.9	284.6	1,264.8	329.5	362.2	340.8	289.2	1,321.7	2,586.5
														Std. Dev.	123.8

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-19(1) Monthly and Annual Evaporation in Balqa Governorate

Station Name : Um El-Jumal		ID No.: AL0059													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1968 / 69	267.0	203.0	111.0	81.0	122.0	170.0	180.0	337.0	1,471.0	427.0	420.0	384.0	335.0	1,566.0	3,037.0
1969 / 70	234.1	154.0	123.0	72.0	97.0	192.0	306.0	375.0	1,553.1	372.0	441.0	404.0	295.0	1,512.0	3,065.1
1970 / 71	228.0	147.0	68.0	133.0	110.0	235.0	194.0	386.0	1,501.0	446.0	481.0	421.0	382.0	1,730.0	3,231.0
1971 / 72	332.0	188.0	74.0	72.0	135.0	184.0	290.0	390.0	1,665.0	419.0	424.0	481.0	411.0	1,735.0	3,400.0
1972 / 73	331.0	136.0	104.0	103.0	200.0	243.0	327.0	457.0	1,901.0	497.0	541.0	460.0	-	-	-
1973 / 74	322.0	184.0	104.0	58.0	112.0	179.0	250.0	313.0	1,522.0	410.0	517.0	430.0	324.0	1,681.0	3,203.0
1974 / 75	301.0	174.0	80.0	87.0	67.0	176.0	259.0	318.0	1,462.0	449.0	550.0	460.0	304.0	1,763.0	3,225.0
1975 / 76	193.0	151.0	71.0	-	-	-	-	-	-	-	-	430.0	354.0	-	-
1976 / 77	248.0	227.0	149.0	108.0	185.0	165.0	263.0	387.0	1,732.0	451.0	480.0	456.0	375.0	1,762.0	3,494.0
1977 / 78	203.0	161.0	83.0	88.0	142.0	231.0	417.0	465.0	1,790.0	432.0	545.0	402.0	346.0	1,725.0	3,515.0
1978 / 79	346.0	281.0	161.0	90.7	149.0	130.0	320.2	448.0	1,925.9	253.0	485.0	439.0	373.0	1,550.0	3,475.9
1979 / 80	275.0	205.0	104.0	67.0	45.0	163.0	295.0	437.0	1,591.0	591.0	551.0	485.0	365.0	1,992.0	3,583.0
1980 / 81	99.0	70.0	89.0	86.0	55.0	146.0	282.0	343.0	1,170.0	407.0	420.0	338.0	373.0	1,538.0	2,708.0
1981 / 82	263.0	125.0	115.0	69.0	72.0	129.0	300.0	359.0	1,432.0	376.0	384.0	313.0	153.0	1,226.0	2,658.0
1982 / 83	197.0	112.1	78.7	35.0	62.2	151.1	212.7	310.7	1,159.5	372.0	394.0	358.0	308.0	1,432.0	2,591.5
1983 / 84	254.0	187.0	150.4	127.6	218.0	193.2	310.0	401.0	1,841.2	384.5	413.0	382.0	353.0	1,532.5	3,373.7
1984 / 85	273.0	166.2	138.2	170.5	103.9	195.5	235.0	315.0	1,597.3	277.0	305.0	317.0	275.0	1,174.0	2,771.3
1985 / 86	247.0	232.6	175.1	166.0	145.5	242.0	166.0	245.0	1,619.2	444.0	500.0	422.0	361.0	1,727.0	3,346.2
1986 / 87	177.6	-	88.3	122.4	133.9	177.2	244.5	494.0	-	488.0	483.0	445.0	347.0	1,763.0	-
1987 / 88	224.2	211.0	83.4	101.6	99.5	161.5	267.5	458.0	1,606.7	389.1	539.0	352.0	304.0	1,584.1	3,190.8
1988 / 89	225.0	178.8	96.8	79.1	142.5	209.0	414.0	551.0	1,896.2	561.0	528.0	461.0	345.0	1,895.0	3,791.2
1989 / 90	268.8	175.3	116.5	76.1	85.6	162.8	267.5	477.0	1,629.6	430.8	541.0	448.0	312.0	1,731.8	3,361.4
1990 / 91	308.5	274.0	208.8	117.3	183.9	212.3	398.0	414.0	2,116.8	392.0	365.0	-	285.0	-	-
1991 / 92	256.7	187.8	247.4	376.5	144.1	176.6	431.9	442.6	2,263.6	387.2	434.7	229.4	326.2	1,377.5	3,641.1
1992 / 93	346.3	163.5	80.1	57.0	91.4	180.3	227.0	258.0	1,403.6	392.3	342.0	330.0	259.0	1,323.3	2,726.9
1993 / 94	265.0	184.0	44.0	104.2	110.6	123.6	245.9	306.0	1,383.3	309.0	381.0	299.0	269.2	1,258.2	2,641.5
1994 / 95	251.0	120.0	84.0	108.0	95.6	161.5	230.0	289.0	1,339.1	315.0	320.5	318.0	180.0	1,133.5	2,472.6
1995 / 96	218.0	172.8	96.0	92.0	141.8	145.6	211.4	344.0	1,421.6	337.0	341.0	325.0	266.0	1,269.0	2,690.6
1996 / 97	221.0	183.0	115.0	112.0	99.9	151.0	228.0	359.0	1,468.9	349.0	294.0	251.0	202.0	1,096.0	2,564.9
1997 / 98	179.5	125.7	98.5	72.2	88.0	138.3	231.0	314.0	1,247.2	335.0	323.0	297.0	238.0	1,193.0	2,440.2
1998 / 99	235.0	168.0	139.0	96.5	118.8	178.0	238.0	357.0	1,530.3	304.0	281.0	321.0	253.0	1,159.0	2,689.3
1999 / 00	207.0	146.0	142.8	92.7	117.0	121.9	222.0	264.0	1,313.4	305.0	-	-	-	305.0	-
Max.	346.3	281.0	247.4	376.5	218.0	243.0	431.9	551.0	2,263.6	591.0	551.0	485.0	411.0	1,992.0	3,791.2
Min.	99.0	70.0	44.0	35.0	45.0	121.9	166.0	245.0	1,159.5	253.0	281.0	229.4	153.0	305.0	2,440.2
Mean	249.9	174.0	113.1	103.9	118.5	175.0	273.0	374.7	1,582.0	396.8	434.1	381.9	309.1	1,522.0	3,104.1
														Std. Dev.	399.8

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-19(2) Monthly and Annual Evaporation in Balqa Governorate

Station Name : South Shuna		ID No.: AM0007													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1965 / 66	-	189.0	-	101.0	96.0	187.0	371.0	421.0	-	453.0	349.0	318.0	363.0	1,483.0	-
1966 / 67	280.0	245.0	115.0	97.1	96.0	140.0	249.0	357.0	1,579.1	-	253.0	369.0	337.0	-	-
1967 / 68	248.0	158.0	103.0	90.0	122.0	-	-	-	-	-	-	-	-	-	-
1968 / 69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1969 / 70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1970 / 71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1971 / 72	-	-	-	-	-	-	-	100.0	-	372.0	407.0	408.0	358.0	1,545.0	-
1972 / 73	294.0	171.0	140.0	145.0	149.0	214.0	300.0	425.0	1,838.0	409.0	462.0	420.0	374.0	1,665.0	3,503.0
1973 / 74	339.0	182.0	-	84.0	-	146.9	208.8	360.0	-	396.0	435.0	382.0	72.0	1,285.0	-
1974 / 75	264.0	156.0	110.7	131.0	115.9	233.9	335.0	347.0	1,693.5	426.0	495.0	364.0	306.0	1,591.0	3,284.5
1975 / 76	317.0	186.0	136.0	129.0	107.0	176.0	258.0	377.0	1,686.0	422.0	416.0	396.0	332.0	1,566.0	3,252.0
1976 / 77	292.0	255.0	139.0	108.0	148.0	202.0	282.0	412.0	1,838.0	478.0	505.0	487.7	427.0	1,897.7	3,735.7
1977 / 78	349.0	307.0	124.0	123.0	166.0	198.0	285.0	468.0	2,020.0	439.0	512.0	458.0	404.0	1,813.0	3,833.0
1978 / 79	288.0	247.0	240.0	108.0	163.0	222.0	399.0	405.0	2,072.0	486.0	487.0	468.0	400.0	1,841.0	3,913.0
1979 / 80	297.0	265.0	104.0	78.0	95.0	162.0	283.0	413.0	1,697.0	476.0	462.0	422.2	339.0	1,699.2	3,396.2
1980 / 81	313.0	227.0	126.0	120.3	103.0	-	-	-	-	-	-	-	-	-	-
1981 / 82	-	-	-	-	-	-	-	-	-	-	435.5	440.0	363.0	-	-
1982 / 83	321.3	164.0	122.5	108.9	98.6	161.3	245.0	366.4	1,588.0	452.0	472.0	344.0	342.0	1,610.0	3,198.0
1983 / 84	301.0	210.7	158.3	134.7	189.7	212.1	257.5	443.0	1,907.0	426.0	436.0	392.0	378.0	1,632.0	3,539.0
1984 / 85	332.0	179.0	142.7	152.7	108.2	250.6	298.8	376.0	1,840.0	-	-	-	-	-	-
1985 / 86	-	-	-	-	112.6	242.8	337.2	358.9	-	443.0	457.0	434.0	395.0	1,729.0	-
1986 / 87	262.0	128.7	107.8	101.4	145.8	196.5	307.0	392.0	1,641.2	445.0	495.0	469.0	386.0	1,795.0	3,436.2
1987 / 88	239.0	236.0	97.5	93.1	102.2	140.0	306.0	453.0	1,666.8	481.0	517.0	447.0	399.0	1,844.0	3,510.8
1988 / 89	276.0	192.9	110.6	82.0	134.1	204.2	366.0	439.0	1,804.8	434.0	446.0	419.0	354.0	1,653.0	3,457.8
1989 / 90	259.0	175.1	97.8	109.1	104.9	223.2	279.0	382.0	1,630.1	429.0	440.0	414.0	313.0	1,596.0	3,226.1
1990 / 91	311.8	208.8	169.0	98.2	126.5	171.7	274.3	381.0	1,741.3	397.0	424.0	378.0	328.0	1,527.0	3,268.3
1991 / 92	300.7	167.3	68.5	91.1	-	170.6	257.6	345.3	1,401.1	389.0	407.0	390.0	316.3	1,502.3	2,903.4
1992 / 93	302.0	229.9	81.6	100.1	93.3	195.7	300.0	330.5	1,633.1	400.0	440.0	447.0	369.0	1,656.0	3,289.1
1993 / 94	336.5	205.5	137.7	138.0	125.2	184.0	348.6	425.0	1,900.5	412.0	410.0	391.0	338.0	1,551.0	3,451.5
1994 / 95	290.7	128.3	92.6	105.8	115.5	189.3	252.6	370.0	1,544.8	405.0	397.0	381.0	330.0	1,513.0	3,057.8
1995 / 96	246.0	185.5	129.5	96.3	134.7	152.4	257.6	365.0	1,567.0	386.0	416.0	380.0	340.0	1,522.0	3,089.0
1996 / 97	252.1	195.3	113.5	108.2	106.9	130.0	231.3	351.3	1,488.6	364.0	372.0	347.0	293.0	1,376.0	2,864.6
1997 / 98	219.7	170.6	107.1	93.1	108.9	-	-	-	-	-	-	-	-	-	-
1998 / 99	-	-	-	-	-	-	-	-	-	374.0	412.0	390.0	-	-	-
1999 / 00	279.0	211.7	152.1	103.7	-	-	-	-	-	-	-	-	-	-	-
Max.	349.0	307.0	240.0	152.7	189.7	250.6	399.0	468.0	2,072.0	486.0	517.0	487.7	427.0	1,897.7	3,913.0
Min.	219.7	128.3	68.5	78.0	93.3	130.0	208.8	100.0	1,401.1	364.0	253.0	318.0	72.0	1,285.0	2,864.6
Mean	289.3	199.2	124.1	108.2	121.8	188.2	291.6	379.4	1,701.8	423.8	435.5	405.8	344.5	1,609.5	3,311.4
														Std. Dev.	270.6

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-19(3) Monthly and Annual Evaporation in Balqa Governorate

Station Name : **K.H. Nursery**

ID_No.: **AL0035**

Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1966 / 67	217.0	194.0	127.0	77.0	78.0	133.0	204.0	259.0	1,289.0	366.0	350.0	-	238.0	-	-
1967 / 68	182.0	95.0	78.0	85.0	99.0	156.0	205.0	298.0	1,198.0	356.0	381.0	328.0	254.0	1,319.0	2,517.0
1968 / 69	190.0	137.0	89.0	50.3	93.0	166.0	171.0	305.0	1,201.3	344.0	307.0	321.0	285.0	1,257.0	2,458.3
1069 / 70	201.0	138.0	93.0	72.0	81.0	182.0	250.0	319.0	1,336.0	354.0	371.0	359.0	-	-	-
1070 / 71	-	-	-	-	-	-	-	-	-	336.0	331.0	331.0	259.0	-	-
1971 / 72	230.0	140.0	59.0	70.0	107.0	125.0	198.0	266.0	1,195.0	347.0	373.0	362.0	304.0	1,386.0	2,581.0
1972 / 73	244.0	127.0	82.0	98.0	124.0	160.0	242.0	337.0	1,414.0	384.0	406.0	339.0	280.0	1,409.0	2,823.0
1973 / 74	245.0	133.0	77.0	50.0	93.0	112.0	191.0	287.0	1,188.0	354.0	403.0	332.0	294.0	1,383.0	2,571.0
1974 / 75	166.0	83.0	56.0	53.0	66.0	99.0	170.0	175.0	868.0	192.0	240.0	197.0	165.0	794.0	1,662.0
1975 / 76	149.0	106.0	83.0	82.0	75.0	130.0	178.0	278.2	1,081.2	205.0	350.0	318.0	258.0	1,131.0	2,212.2
1976 / 77	206.0	178.6	83.0	62.0	118.0	127.0	182.0	297.0	1,253.6	395.0	408.0	388.0	289.0	1,480.0	2,733.6
1977 / 78	208.0	160.5	75.0	88.2	132.0	162.4	236.0	369.0	1,431.1	385.0	436.0	357.0	274.0	1,452.0	2,883.1
1978 / 79	232.0	129.8	72.8	70.5	110.5	148.0	276.0	290.5	1,330.1	391.0	391.0	379.0	290.0	1,451.0	2,781.1
1979 / 80	205.6	205.1	64.7	64.4	58.6	128.9	209.2	330.0	1,266.5	381.0	359.0	326.0	272.0	1,338.0	2,604.5
1980 / 81	228.0	149.0	101.0	83.0	65.0	146.0	208.0	293.0	1,273.0	357.0	377.0	350.0	294.4	1,378.4	2,651.4
1981 / 82	229.0	111.1	93.3	73.6	77.2	115.5	192.3	248.4	1,140.4	347.0	328.0	327.0	255.0	1,257.0	2,397.4
1982 / 83	208.4	89.5	56.0	49.5	58.3	116.8	165.7	259.0	1,003.2	336.0	359.0	342.0	261.0	1,298.0	2,301.2
1983 / 84	202.0	121.2	84.3	79.5	124.1	134.5	172.5	314.0	1,232.1	343.0	381.0	344.0	295.0	1,363.0	2,595.1
1984 / 85	239.5	102.5	66.1	-	-	-	-	-	-	-	-	-	-	-	-
1985 / 86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986 / 87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987 / 88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988 / 89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989 / 90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990 / 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991 / 92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992 / 93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993 / 94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994 / 95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995 / 96	-	83.7	83.4	45.0	69.4	104.0	124.0	158.0	-	171.0	300.0	298.0	238.0	1,007.0	-
1996 / 97	202.1	139.3	89.3	97.7	108.0	117.7	198.9	380.1	1,333.1	436.0	510.0	438.0	342.9	1,726.9	3,060.0
1997 / 98	255.7	117.0	100.1	54.5	73.4	138.6	235.1	351.0	1,325.4	360.0	399.0	476.0	352.0	1,587.0	2,912.4
1998 / 99	248.0	187.0	148.0	92.1	98.4	191.5	271.8	456.0	1,692.8	406.0	437.0	427.0	419.0	1,689.0	3,381.8
1999 / 00	260.9	182.0	157.3	76.1	97.4	-	323.0	-	-	-	-	-	-	-	-
Max.	260.9	205.1	157.3	98.0	132.0	191.5	323.0	456.0	1,692.8	436.0	510.0	476.0	419.0	1,726.9	3,381.8
Min.	149.0	83.0	56.0	45.0	58.3	99.0	124.0	158.0	868.0	171.0	240.0	197.0	165.0	794.0	1,662.0
Mean	215.9	135.2	87.8	71.5	91.2	137.8	209.3	298.6	1,247.2	343.0	372.6	349.5	281.9	1,346.9	2,594.1
														Std. Dev.	356.4

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-20(1) Monthly and Annual Evaporation in Madaba Governorate

Station Name :															ID No.:	AH0003
Water Year	Wet Season (mm)									Dry Season (mm)					Annual Average	
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Total	Jun.	July	Aug.	Sep.	Total		
1967 / 68	-	-	-	-	-	-	-	-	-	-	-	297.0	235.0	-	-	
1968 / 69	159.0	113.0	69.0	57.0	109.0	200.0	165.0	301.0	832.0	357.0	317.0	358.0	295.0	971.0	1,803.0	
1969 / 70	215.0	158.0	109.0	81.0	97.0	179.4	281.0	334.0	1,239.4	352.0	341.0	318.0	245.0	1,256.0	2,495.4	
1970 / 71	210.0	122.0	70.0	138.0	112.0	191.0	133.0	291.0	1,057.0	292.0	286.0	304.0	254.0	1,136.0	2,193.0	
1971 / 72	208.0	116.0	86.0	84.0	123.0	130.0	189.0	268.0	996.0	293.0	300.0	318.0	283.0	1,194.0	2,190.0	
1972 / 73	228.0	105.0	66.0	114.0	126.0	170.0	215.0	313.0	1,109.0	331.0	388.0	379.0	301.0	1,399.0	2,508.0	
1973 / 74	262.0	112.0	73.0	52.0	96.0	118.0	217.0	287.0	955.0	350.0	352.0	270.0	234.0	1,206.0	2,161.0	
1974 / 75	235.0	108.0	47.0	33.0	61.0	205.0	266.0	276.0	996.0	328.0	350.0	266.0	217.0	1,161.0	2,157.0	
1975 / 76	-	-	7.0	80.0	47.5	142.0	142.0	236.0	-	142.0	318.0	284.0	244.0	988.0	-	
1976 / 77	205.0	182.0	89.3	58.2	146.6	118.0	167.0	269.0	1,030.1	265.0	325.0	332.0	220.0	1,142.0	2,172.1	
1977 / 78	162.0	156.0	51.2	67.0	99.0	137.0	199.0	313.0	1,022.2	264.0	368.0	280.0	221.0	1,133.0	2,155.2	
1978 / 79	231.0	113.0	61.5	70.0	40.0	153.2	253.4	247.6	938.7	318.0	308.5	324.0	253.2	1,203.7	2,142.4	
1979 / 80	174.0	148.5	55.0	41.0	74.3	146.0	195.0	300.0	959.8	329.0	298.0	275.0	203.0	1,105.0	2,064.8	
1980 / 81	188.8	122.4	87.1	76.0	69.3	139.4	192.5	254.3	941.0	310.0	323.0	275.0	282.0	1,190.0	2,131.0	
1981 / 82	222.0	108.5	96.6	64.0	147.9	103.6	116.8	118.0	755.4	305.2	268.0	276.0	150.3	999.5	1,754.9	
1982 / 83	177.5	93.9	62.4	89.1	155.5	94.1	145.0	247.5	887.5	293.0	297.0	291.0	241.0	1,122.0	2,009.5	
1983 / 84	196.5	141.3	77.4	73.4	64.0	128.5	165.2	301.0	950.8	298.0	326.0	278.0	262.0	1,164.0	2,114.8	
1984 / 85	219.3	77.8	67.5	90.5	92.2	164.7	181.3	234.2	908.2	195.0	315.0	309.0	232.0	1,051.0	1,959.2	
1985 / 86	168.1	130.1	86.8	81.0	98.4	159.1	208.3	201.0	964.7	272.2	326.0	288.0	253.0	1,139.2	2,103.9	
1986 / 87	174.7	84.2	69.9	110.6	118.5	82.1	180.4	288.0	933.7	309.0	324.0	305.0	248.0	1,186.0	2,119.7	
1987 / 88	138.1	141.0	70.6	51.1	-	99.8	189.2	310.0	-	313.0	323.2	276.0	171.0	1,083.2	-	
Max.	262.0	182.0	109.0	138.0	155.5	205.0	281.0	334.0	1,239.4	357.0	388.0	379.0	301.0	1,399.0	2,508.0	
Min.	138.1	77.8	7.0	33.0	40.0	82.1	116.8	118.0	755.4	142.0	268.0	266.0	150.3	971.0	1,754.9	
Mean	198.6	122.8	70.1	75.5	98.8	143.0	190.1	269.5	1,168.4	295.8	322.7	300.1	240.2	1,158.8	2,327.2	
Std. Dev.															180.2	

Table A2.1.1-20(2) Monthly and Annual Evaporation in Madaba Governorate

Station Name :															ID No.:	CD0026
Water Year	Wet Season (mm)									Dry Season (mm)					Annual Average	
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Total	Jun.	July	Aug.	Sep.	Total		
1968 / 69	211.0	136.0	80.0	46.0	78.0	136.0	118.0	247.0	832.0	341.0	332.0	401.0	289.2	971.0	1,883.0	
1969 / 70	239.0	145.0	123.0	95.0	127.0	209.0	327.0	399.0	1,425.0	450.0	465.0	413.0	360.0	1,688.0	3,113.0	
1970 / 71	-	129.0	69.0	125.0	133.0	190.0	144.0	301.0	-	399.0	423.0	396.0	363.0	1,581.0	-	
1971 / 72	302.0	144.0	69.0	69.0	115.8	150.0	221.0	283.0	1,051.8	366.0	383.0	411.0	333.0	1,493.0	2,544.8	
1972 / 73	269.0	132.0	86.0	105.0	149.0	186.0	253.0	366.0	1,277.0	385.0	454.0	360.0	307.0	1,506.0	2,783.0	
1973 / 74	254.0	125.0	74.0	48.0	81.0	108.0	166.0	269.0	871.0	300.0	336.0	295.0	264.0	1,195.0	2,066.0	
1974 / 75	157.0	73.0	45.0	48.0	56.0	106.0	227.0	294.0	849.0	350.0	380.0	312.0	266.0	1,308.0	2,157.0	
1975 / 76	212.0	124.0	70.0	75.0	76.4	125.0	180.0	296.0	946.4	365.0	368.0	352.0	-	-	-	
1976 / 77	224.0	179.0	92.0	57.0	117.0	133.0	175.0	287.0	1,040.0	362.0	413.0	379.0	242.0	1,396.0	2,436.0	
1977 / 78	179.0	145.0	54.0	77.0	110.0	128.0	193.0	301.0	1,008.0	350.0	-	164.0	292.0	-	-	
1978 / 79	241.0	127.0	65.0	49.0	104.0	141.0	274.0	346.0	1,106.0	426.0	394.0	369.0	321.0	1,510.0	2,616.0	
1979 / 80	262.0	180.8	55.6	52.4	64.0	-	195.7	320.0	-	351.0	357.0	311.0	246.0	1,265.0	-	
1980 / 81	232.0	154.0	67.0	82.6	74.9	154.2	237.0	303.0	1,072.7	347.0	355.0	325.0	280.0	1,307.0	2,379.7	
1981 / 82	228.0	108.6	112.7	65.3	68.4	114.6	195.3	224.5	889.4	348.0	320.0	346.0	-	-	-	
1982 / 83	190.4	87.4	63.9	53.4	114.4	120.6	143.6	238.0	821.3	309.0	339.0	343.0	323.0	1,314.0	2,135.3	
1983 / 84	206.0	144.3	88.3	67.8	129.6	146.1	199.1	355.0	950.8	410.0	450.0	347.0	314.2	1,164.0	2,114.8	
1984 / 85	245.6	98.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Max.	302.0	180.8	123.0	125.0	149.0	209.0	327.0	399.0	1,425.0	450.0	465.0	413.0	363.0	1,688.0	3,113.0	
Min.	157.0	73.0	45.0	46.0	56.0	106.0	118.0	224.5	821.3	300.0	320.0	164.0	242.0	971.0	1,803.0	
Mean	228.3	131.3	75.9	69.7	99.9	143.2	203.0	301.8	1,253.1	366.2	384.6	345.3	300.0	1,396.1	2,649.2	
Std. Dev.															356.4	

Note: "-" means data not available.

Source: WIS of MWI

Table A2.1.1-21(1) Monthly and Annual Evaporation in Karak Governorate

Station Name : Rabba		ID No.: CD0010														
Hydrological Year	Wet Season															Annual
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total		
1986 / 87	252.5	116.6	137.0	173.2	152.0	116.9	235.2	369.0	1,552.4	364.0	399.0	333.0	278.0	1,374.0	2,926.4	
1987 / 88	-	190.0	105.2	80.0	102.5	140.8	236.5	351.0	-	354.0	339.0	320.0	277.0	1,290.0	-	
1988 / 89	184.6	172.0	128.8	85.9	113.5	145.0	332.0	344.0	1,505.8	343.0	331.0	320.0	263.0	1,257.0	2,762.8	
1989 / 90	249.6	157.0	144.0	77.3	96.0	167.0	246.2	310.0	1,447.1	351.0	370.0	338.0	252.0	1,311.0	2,758.1	
1990 / 91	274.6	250.9	187.0	156.6	106.1	156.2	279.5	288.0	1,698.9	325.0	321.0	291.0	229.0	1,166.0	2,864.9	
1991 / 92	207.7	168.4	78.9	56.9	56.6	144.3	222.0	278.0	1,212.8	308.0	294.2	-	241.0	-	-	
1992 / 93	283.0	150.8	67.2	20.5	150.0	164.3	246.0	251.2	1,333.0	285.0	321.0	337.0	268.0	1,211.0	2,544.0	
1993 / 94	254.0	171.0	115.8	86.0	96.5	118.3	260.0	289.0	1,390.6	317.0	328.0	323.0	277.0	1,245.0	2,635.6	
1994 / 95	230.0	98.4	88.2	124.7	90.6	201.6	231.1	320.0	1,384.6	383.0	305.0	293.0	273.9	1,254.9	2,639.5	
1995 / 96	225.0	191.0	112.3	95.6	134.2	135.5	214.0	353.0	1,460.6	313.0	362.0	337.0	296.0	1,308.0	2,768.6	
1996 / 97	218.2	156.2	148.1	143.5	92.1	115.5	227.5	394.0	1,495.1	413.0	416.0	328.0	350.0	1,507.0	3,002.1	
1997 / 98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1998 / 99	-	-	-	-	-	-	-	448.0	-	458.0	462.0	414.0	-	-	-	
1999 / 00	227.0	330.0	213.2	-	-	-	-	-	-	-	-	-	-	-	-	
Max.	283.0	330.0	213.2	173.2	152.0	201.6	332.0	448.0	1,698.9	458.0	462.0	414.0	350.0	1,507.0	3,002.1	
Min.	184.6	98.4	67.2	20.5	56.6	115.5	214.0	251.2	1,212.8	285.0	294.2	291.0	229.0	1,166.0	2,544.0	
Mean	236.9	179.4	127.1	100.0	108.2	145.9	248.2	332.9	1,478.7	351.2	354.0	330.4	273.2	1,308.7	2,787.4	
														Std. Dev.	138.9	

Table A2.1.1-21(2) Monthly and Annual Evaporation in Karak Governorate

Station Name : Ghores-Safi-Met.		ID No.: CF0006														
Water Year	Wet Season (mm)															Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total		
1965 / 66	-	-	131.0	90.0	119.0	203.2	320.0	370.0	1,233.2	394.0	419.0	373.0	308.0	1,494.0	-	
1966 / 67	241.0	179.0	134.0	121.0	120.0	195.0	280.0	353.0	1,623.0	184.0	401.0	354.0	302.0	1,241.0	2,864.0	
1967 / 68	217.0	163.0	128.0	153.0	126.0	145.0	149.0	-	1,081.0	-	-	-	-	-	-	
1968 / 69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1969 / 70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1970 / 71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1971 / 72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1972 / 73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1973 / 74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1974 / 75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1975 / 76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1976 / 77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1977 / 78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1978 / 79	-	-	-	-	-	213.3	389.0	425.5	-	489.0	508.8	464.0	355.2	1,817.0	-	
1979 / 80	279.2	190.8	124.7	126.4	117.3	210.1	342.6	474.3	1,865.4	488.1	481.2	457.5	333.7	1,760.5	3,625.9	
1980 / 81	241.8	177.4	72.6	-	-	-	-	-	-	-	-	-	-	-	-	
1981 / 82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1982 / 83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1983 / 84	-	175.8	117.6	138.3	186.8	212.0	321.7	421.6	-	450.1	500.3	448.5	364.1	1,763.0	-	
1984 / 85	267.2	157.2	118.8	142.5	176.9	236.8	289.5	350.1	1,739.0	431.8	436.9	402.9	351.9	1,623.5	3,362.5	
1985 / 86	283.3	179.1	105.7	136.3	143.1	250.4	296.9	400.9	1,795.7	453.1	463.2	456.9	372.3	1,745.5	3,541.2	
1986 / 87	280.6	141.9	118.0	108.4	150.0	196.9	294.1	375.5	1,665.4	448.8	470.4	454.4	366.2	1,739.8	3,405.2	
1987 / 88	254.7	186.7	126.5	106.2	130.8	109	294.7	-	1,110.5	471.4	493.3	472.3	339.9	-	-	
1988 / 89	265.4	180.0	115.7	90.2	125.5	60.0	326.7	412.3	1,575.8	432.5	-	427.5	338.7	-	-	
1989 / 90	237.9	155.1	100.9	-	-	-	263.0	322.7	-	384.9	378.9	371.9	312.0	1,447.7	-	
1990 / 91	222.0	222.5	113.5	132.3	129.2	228.6	266.4	343.1	1,657.6	364.4	387.6	368.4	270.3	1,390.7	3,048.3	
1991 / 92	221.8	145.1	103.1	103.6	117.8	191.5	256.4	317.8	1,457.1	338.7	374.9	344.5	291.1	1,349.2	2,806.3	
1992 / 93	210.1	103.0	152.9	94.2	90.7	198.2	253.0	283.2	1,385.3	365.2	434.9	347.8	291.9	1,439.8	2,825.1	
1993 / 94	239.4	135.5	84.9	99.4	150.6	252.2	403.6	499.5	1,865.1	496.3	486.8	466.3	449.9	1,899.3	3,764.4	
1994 / 95	380.7	202.9	148.6	151.1	169.9	303.8	369.5	446.9	2,173.4	454.7	523.2	413.5	454.7	1,846.1	4,019.5	
1995 / 96	354.3	225.1	106.6	131.3	168.4	179.9	327.4	198.3	1,691.3	474.0	480.2	468.6	402.0	1,824.8	3,516.1	
1996 / 97	321.5	231.1	173.6	169.5	106.5	16.8	201.4	457.6	1,678.0	-	-	439.2	-	-	-	
1997 / 98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1998 / 99	-	-	-	103.3	103.9	190.5	294.8	498.0	-	288.5	451.5	480.0	296.5	1,516.5	-	
Max.	380.7	231.1	173.6	169.5	186.8	303.8	403.6	499.5	2,173.4	496.3	523.2	480.0	454.7	1,899.3	4,019.5	
Min.	210.1	103.0	72.6	90.0	90.7	109	149.0	198.3	1,081.0	184.0	374.9	344.5	270.3	1,241.0	2,806.3	
Mean	265.8	175.1	119.8	122.1	135.1	184.0	297.0	386.1	1,684.9	411.6	452.5	421.6	344.5	1,630.2	3,315.1	
														Std. Dev.	388.6	

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-22(1) Monthly and Annual Evaporation in Ma'an Governorate

Station Name : Aqaba		ID No.: ED0026													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1987 / 88	547.0	363.0	310.0	225.0	201.0	229.0	498.0	363.0	2,736.0	585.0	451.0	569.0	582.0	2,187.0	4,923.0
1988 / 89	476.0	363.0	174.0	228.0	244.0	275.0	421.0	571.0	2,752.0	631.0	759.0	548.0	527.0	2,465.0	5,217.0
1989 / 90	389.0	232.0	222.0	191.0	203.0	355.0	358.0	463.0	2,413.0	550.5	537.0	-	523.8	-	-
1990 / 91	467.9	420.0	333.0	243.0	286.0	344.0	436.0	585.0	3,114.9	648.0	587.0	502.0	491.0	2,228.0	5,342.9
1991 / 92	425.1	313.0	235.0	225.0	240.0	382.0	434.0	494.0	2,748.1	581.9	606.8	583.9	494.0	2,266.6	5,014.7
1992 / 93	448.0	262.0	200.0	223.0	213.0	316.0	410.0	487.0	2,559.0	600.0	614.0	630.0	-	-	-
1993 / 94	405.0	311.0	244.0	196.0	236.0	321.0	494.0	510.0	2,717.0	567.0	550.0	535.0	500.0	2,152.0	4,869.0
1994 / 95	416.0	267.0	212.0	191.0	215.0	358.0	356.0	501.0	2,516.0	628.0	626.0	609.0	542.0	2,405.0	4,921.0
1995 / 96	452.0	366.0	270.0	218.0	268.9	296.0	370.0	539.0	2,779.9	621.0	662.0	663.0	584.0	2,530.0	5,309.9
1996 / 97	498.0	363.0	313.0	292.0	280.0	348.0	398.0	504.0	2,996.0	560.0	614.0	573.0	511.0	2,258.0	5,254.0
1997 / 98	406.0	348.0	275.0	273.5	-	-	-	-	-	-	-	-	-	-	-
1998 / 99	-	-	-	-	-	-	408.0	536.0	-	515.0	568.0	600.0	527.0	2,210.0	-
1999 / 00	409.0	332.0	303.0	224.0	-	-	-	-	-	-	-	-	-	-	-
Max.	547.0	420.0	333.0	292.0	286.0	382.0	498.0	585.0	3,114.9	648.0	759.0	663.0	584.0	2,530.0	5,342.9
Min.	389.0	232.0	174.0	191.0	201.0	229.0	356.0	363.0	2,413.0	515.0	451.0	502.0	491.0	2,152.0	4,869.0
Mean	444.9	328.3	257.6	227.5	238.7	322.4	416.6	504.8	2,740.8	589.8	597.7	581.3	528.2	2,296.9	5,037.8
														Std. Dev.	181.7

Table A2.1.1-22(2) Monthly and Annual Evaporation in Ma'an Governorate

Station Name : Jafr		ID No.: G0008													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1967 / 68	-	-	-	-	-	-	419.0	461.0	-	481.0	653.0	663.0	-	-	-
1968 / 69	-	-	-	-	-	-	-	-	-	-	-	410.0	334.0	-	-
1969 / 70	221.0	126.0	108.0	94.0	141.0	240.0	251.0	355.0	1,536.0	439.0	457.0	421.0	335.0	1,652.0	3,188.0
1970 / 71	218.0	134.0	143.0	127.0	162.0	207.0	303.0	447.0	1,741.0	422.0	402.0	408.0	-	-	-
1971 / 72	-	115.0	62.0	74.0	90.0	173.0	222.0	403.0	-	413.0	450.0	436.0	334.0	1,633.0	-
1972 / 73	210.0	118.0	79.0	73.0	113.0	186.0	263.0	385.0	1,427.0	422.0	429.0	442.0	399.0	1,692.0	3,119.0
1973 / 74	308.0	122.0	85.0	77.0	168.0	250.0	324.0	417.0	1,751.0	459.0	492.0	434.0	297.0	1,682.0	3,433.0
1974 / 75	222.0	126.0	80.0	66.0	84.0	149.0	342.0	362.0	1,431.0	431.0	466.0	387.0	299.0	1,583.0	3,014.0
1975 / 76	233.0	129.0	77.0	79.0	102.0	185.0	236.0	269.0	1,310.0	311.0	461.0	420.0	369.0	1,561.0	2,871.0
1976 / 77	139.0	99.0	117.0	129.0	123.0	-	-	-	-	-	-	-	-	-	-
Max.	308.0	134.0	143.0	129.0	168.0	250.0	419.0	461.0	1,751.0	481.0	653.0	663.0	399.0	1,692.0	3,433.0
Min.	139.0	99.0	62.0	66.0	84.0	149.0	222.0	269.0	1,310.0	311.0	402.0	387.0	297.0	1,561.0	2,871.0
Mean	221.6	121.1	93.9	89.9	122.9	198.6	295.0	387.4	1,530.3	422.3	476.3	446.8	338.1	1,683.4	3,213.7
														Std. Dev.	187.5

Note: "-" means data not available.

Source: WIS database of MWI

Table A2.1.1-23 Monthly and Annual Evaporation in Tafielah Governorate

Station Name : Hasa		ID No.: CF0007													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1967 / 68	238.0	143.0	137.0	140.0	128.0	221.0	308.0	407.0	1,722.0	465.0	546.0	443.0	348.0	1,802.0	3,524.0
1968 / 69	227.0	143.0	131.0	112.0	170.0	218.0	298.0	448.0	1,747.0	564.0	513.0	505.0	437.0	2,019.0	3,766.0
1969 / 70	272.0	173.0	150.0	125.0	182.0	279.0	400.0	482.0	2,063.0	483.0	538.0	493.0	359.0	1,873.0	3,936.0
1970 / 71	282.0	152.0	96.0	167.0	192.0	309.0	297.0	489.0	1,984.0	527.0	548.0	515.0	415.0	2,005.0	3,989.0
1971 / 72	321.0	168.0	140.0	125.0	161.0	223.0	364.0	474.0	1,976.0	510.0	515.0	508.0	408.0	1,941.0	3,917.0
1972 / 73	342.0	150.0	129.0	142.0	208.0	280.0	369.0	498.0	2,118.0	479.0	562.0	504.0	411.2	1,956.2	4,074.2
1973 / 74	320.0	185.0	140.0	63.0	146.0	201.0	395.0	464.0	1,914.0	524.0	586.0	485.0	382.0	1,977.0	3,891.0
1974 / 75	347.0	190.0	129.0	111.0	132.0	276.0	369.0	438.0	1,992.0	481.0	515.0	445.0	361.0	1,802.0	3,794.0
1975 / 76	210.0	168.0	105.0	125.0	135.0	-	-	-	-	-	-	-	-	-	-
1976 / 77	-	-	-	-	-	-	-	-	-	-	392.0	531.0	473.0	-	-
1977 / 78	231.0	188.0	113.0	124.0	-	-	-	-	-	595.0	686.0	680.8	453.3	-	-
1978 / 79	180.0	95.0	81.0	96.0	156.0	-	-	-	-	-	449.0	421.0	357.0	-	-
1979 / 80	273.0	192.0	106.0	111.5	114.5	-	-	454.0	-	525.0	645.0	332.5	281.0	1,783.5	-
1980 / 81	272.0	165.0	125.0	101.5	126.5	193.0	321.5	374.0	1,678.5	441.5	-	-	-	-	-
1981 / 82	206.0	130.0	128.0	-	102.0	148.5	296.5	362.5	-	444.0	439.0	388.0	-	-	-
1982 / 83	262.5	107.4	-	-	-	-	-	-	-	475.0	478.0	439.0	318.0	-	-
1983 / 84	258.0	209.0	105.4	101.4	166.0	218.2	313.0	410.0	1,781.0	420.0	452.0	302.0	340.0	1,514.0	3,295.0
1984 / 85	251.0	124.2	102.2	123.0	140.6	221.5	271.7	344.2	1,578.4	448.0	433.0	453.0	317.0	1,651.0	3,229.4
1985 / 86	215.0	144.0	89.1	94.8	118.0	205.0	238.0	300.0	1,403.9	392.0	450.0	394.0	303.0	1,539.0	2,942.9
1986 / 87	231.0	113.0	96.0	124.0	152.0	165.1	256.0	369.0	1,506.1	408.0	456.0	424.0	297.0	1,585.0	3,091.1
1987 / 88	165.0	134.0	91.0	56.0	103.0	157.0	235.0	377.0	1,318.0	398.0	404.0	392.0	287.0	1,481.0	2,799.0
1988 / 89	154.0	130.0	92.0	54.0	95.0	162.0	324.0	353.0	1,364.0	365.0	392.0	375.0	282.0	1,414.0	2,778.0
1989 / 90	203.0	135.0	94.0	73.0	-	177.0	244.0	316.0	-	390.0	395.0	362.0	269.0	1,416.0	-
1990 / 91	220.8	183.0	117.0	73.0	120.0	175.0	327.0	344.0	1,559.8	396.0	383.0	347.0	271.0	1,397.0	2,956.8
1991 / 92	210.2	134.9	84.0	52.0	94.0	165.0	239.0	357.0	1,336.1	403.0	389.0	367.0	294.0	1,453.0	2,789.1
1992 / 93	257.0	141.0	61.0	89.0	105.0	198.0	291.0	318.0	1,460.0	427.0	427.0	411.0	308.0	1,573.0	3,033.0
1993 / 94	236.0	140.0	90.0	71.0	111.0	180.0	328.0	391.0	1,547.0	386.0	438.0	386.0	330.0	1,540.0	3,087.0
1994 / 95	214.0	101.0	75.0	99.0	104.0	208.0	264.0	358.0	1,423.0	445.0	396.0	402.0	337.0	1,580.0	3,003.0
1995 / 96	220.0	158.0	73.0	76.0	152.0	176.0	281.0	429.0	1,565.0	401.0	457.0	404.0	315.0	1,577.0	3,142.0
1996 / 97	233.0	111.0	106.0	90.0	96.0	157.0	211.0	333.0	1,337.0	421.0	439.0	350.0	287.0	1,497.0	2,834.0
1997 / 98	201.0	-	-	75.7	-	-	-	-	-	-	-	-	-	-	-
1998 / 99	-	-	-	-	-	-	-	249.0	-	214.0	201.0	212.0	186.0	813.0	-
1999 / 00	145.0	119.0	77.3	75.0	-	-	-	-	-	-	-	-	-	-	-
Max.	347.0	209.0	150.0	167.0	208.0	309.0	400.0	498.0	2,118.0	595.0	686.0	680.8	473.0	2,019.0	4,074.2
Min.	145.0	95.0	61.0	52.0	94.0	148.5	211.0	249.0	1,318.0	214.0	201.0	212.0	186.0	813.0	2,778.0
Mean	238.6	147.6	105.6	99.0	135.0	204.7	301.7	390.0	1,622.1	443.8	466.3	423.1	336.7	1,670.0	3,292.1
														Std. Dev.	448.8

Table A2.1.1-24 Monthly and Annual Evaporation in Aqaba Governorate

Station Name : Al Rishah		ID No.: DA0011													
Water Year	Wet Season (mm)														Annual (mm)
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Sub-total	Jun.	Jul.	Aug.	Sep.	Sub-total	
1999 / 00	241.0	161.0	154.0	158.0	-	-	-	-	-	-	-	-	-	-	-
Max.	241.0	161.0	154.0	158.0	-	-	-	-	-	-	-	-	-	-	-
Min.	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-
Mean	241.0	161.0	154.0	158.0	-	-	-	-	-	-	-	-	-	-	-
														Std. Dev.	-

Note: "-" means data not available.

Source: WIS database of MWI