

CHAPTER - 2

DAILY RIVER WATER LEVEL AND DISCHARGE

List of Stations Dealt in Study

No.	S T A T I O N S	Started Yr.	Disket No.	
			DB-05A	DB-05B
1	1-150 Zambezi Pump House	1946/47	DB-05A-01	DB-05B-01
2	1-650 Kabompo Boma	1950/51	DB-05A-02	DB-05B-02
3	1-950 Watopa Pontoon	1958/59	DB-05A-03	DB-05B-03
4	2-030 Lukulu	1950/51	DB-05A-04	DB-05B-04
5	2-250 Kalabo	1957/58	DB-05A-05	DB-05B-05
6	2-400 Senanga	1947/48	DB-05A-06	DB-05B-06
7	4-050 Raglam Farm	1958/59	DB-05A-07	DB-05B-07
8	4-120 Mwambashi	1959/60	DB-05A-08	DB-05B-08
9	4-130 Smith's Bridge	1957/58	DB-05A-09	DB-05B-09
10	4-200 Mpatamato	1950/51	DB-05A-10	DB-05B-10
11	4-280 Machiya Ferry	1961/62	DB-05A-11	DB-05B-11
12	4-350 Chilenga	1961/62	DB-05A-12	DB-05B-12
13	4-450 Lubungu	1950/51	DB-05A-13	DB-05B-13
14	4-560 Chifumpa Pontoon	1952/53	DB-05A-14	DB-05B-14
15	4-669 Kafue Hook Bridge	1967/68	DB-05A-15	DB-05B-15
16	4-941 Kaleya Dam Site	1952/53	DB-05A-16	DB-05B-16
17	4-958 Uruaff Farm	1952/53	DB-05A-17	DB-05B-17
18	5-030 Exchange Farm	1956/57	DB-05A-18	DB-05B-18
19	5-940 Luangwa Bridge	1948/49	DB-05A-19	DB-05B-19

[Note]

- (1) Stated Yr. : Year that water level observation started
- (2) Disket No. : Disket No. that files are compiled
- (3) DB-05A : File No. of DAILY RIVER WATER LEVEL RECORD
- (4) DB-05B : File No. of DAILY DISCHARGE RECORD

<<< MASTER PROGRAM for DD-05(Leap Year):Daily River W/L & Discharge >>>

*JIM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR: 1959/60		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	0.50	0.37	0.76	1.49	2.93	7.86	11.58	5.58	3.52	2.07	1.43	0.94					
2	0.55	0.40	0.79	1.62	2.96	8.23	11.55	5.58	3.45	2.04	1.43	0.94					
3	0.55	0.40	0.82	1.68	2.96	8.60	11.46	5.58	3.40	2.01	1.40	0.91					
4	0.55	0.40	0.85	1.71	3.02	8.98	11.34	5.55	3.34	1.99	1.37	0.91					
5	0.55	0.40	0.88	1.74	3.17	9.11	11.19	5.52	3.25	1.99	1.37	0.91					
6	0.52	0.40	0.91	1.83	3.35	9.30	11.00	5.49	3.19	1.95	1.29	0.88					
7	0.52	0.43	0.94	1.92	3.54	9.45	10.79	5.43	3.12	1.92	1.29	0.88					
8	0.52	0.43	0.99	2.01	3.66	9.57	10.55	5.33	3.06	1.89	1.25	0.85					
9	0.49	0.46	1.01	2.10	3.79	9.72	10.27	5.27	3.03	1.86	1.25	0.85					
10	0.49	0.49	1.04	2.16	3.93	9.85	9.97	5.19	2.94	1.83	1.25	0.85					
11	0.49	0.55	1.04	2.19	4.11	9.94	9.57	5.14	2.89	1.80	1.25	0.82					
12	"	"	1.04	2.25	4.36	10.00	9.14	5.04	2.82	1.80	1.22	0.82					
13	0.49	0.61	1.01	2.44	4.60	10.09	8.63	4.90	2.76	1.77	1.22	0.79					
14	0.46	0.64	1.01	2.56	4.82	10.18	8.14	4.80	2.71	1.77	1.19	0.79					
15	0.46	0.64	1.04	2.71	4.88	10.28	7.53	4.83	2.65	1.74	1.19	0.79					
16	0.46	0.64	1.07	2.88	5.15	10.39	6.95	4.74	2.59	1.74	1.15	0.76					
17	0.46	0.67	1.07	2.87	5.36	10.49	6.52	4.65	2.56	1.71	1.16	0.76					
18	0.43	0.70	1.07	2.90	5.49	10.58	6.20	4.56	2.50	1.68	1.13	0.76					
19	0.43	0.70	1.10	2.90	5.58	10.64	6.10	4.47	2.47	1.68	1.13	0.73					
20	0.43	0.70	1.13	2.90	5.70	10.79	6.00	4.37	2.44	1.65	1.10	0.73					
21	0.43	0.73	1.16	2.87	5.94	10.91	5.85	4.31	2.41	1.65	1.10	0.73					
22	"	0.73	1.19	2.83	6.19	11.03	5.76	4.22	2.35	1.62	1.07	0.70					
23	0.40	0.73	1.19	2.87	6.40	11.09	5.67	4.16	2.32	1.59	1.07	0.70					
24	0.40	0.70	1.22	2.90	6.61	11.13	5.61	4.07	2.29	1.59	1.04	0.70					
25	0.40	0.70	1.22	2.93	6.80	11.16	5.61	4.01	2.25	1.55	1.04	0.67					
26	0.37	0.70	1.25	2.93	6.99	11.16	5.58	3.95	2.23	1.55	1.01	0.67					
27	0.37	0.67	1.28	2.90	7.13	11.22	5.55	3.95	2.19	1.52	1.01	0.67					
28	0.37	0.67	1.31	2.90	7.32	11.28	5.61	3.83	2.16	1.49	0.99	0.64					
29	0.37	0.67	1.31	2.87	7.56	11.37	5.61	3.76	2.13	1.49	0.99	0.64					
30	0.37	0.73	1.37	2.83	"	11.48	5.61	3.67	2.10	1.46	0.99	0.64					
31	0.40	"	1.43	2.90	"	11.58	"	3.61	"	1.46	0.94	"					
MEAN	0.46	0.59	1.00	2.47	4.97	10.24	8.82	4.70	2.70	1.74	1.17	0.78	2.24				
M.A.	0.58	0.73	1.43	2.93	7.56	11.58	11.58	5.58	3.52	2.07	1.43	0.94	11.58				
MIN.	0.37	0.37	0.75	1.49	2.23	7.86	5.55	3.61	2.10	1.46	0.94	0.64	0.37				

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR: 1959/60		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	71.0	53.9	87.4	170.4	412.3	2052.2	4112.0	1137.6	543.5	255.5	162.4	105.6					
2	60.4	56.2	90.3	186.9	418.6	2223.4	4092.3	1137.6	529.2	250.6	162.4	105.6					
3	60.4	56.2	93.3	195.4	418.8	2401.4	4033.3	1137.6	515.1	245.7	159.5	102.4					
4	60.4	56.2	96.3	199.7	431.3	2555.0	3955.2	1127.2	501.2	240.9	154.6	102.4					
5	60.4	56.2	99.3	204.1	463.9	2665.4	3858.0	1118.9	490.7	240.9	154.6	102.4					
6	65.9	56.2	102.4	217.6	504.7	2761.8	3744.6	1106.6	467.3	236.2	143.4	99.3					
7	65.9	50.6	105.6	231.4	547.1	2843.5	3613.6	1086.2	454.0	231.4	143.4	99.3					
8	65.9	50.6	108.0	245.7	576.4	2909.7	3486.7	1055.9	441.0	226.0	139.7	95.3					
9	63.4	60.9	112.0	260.5	606.4	2993.5	3305.1	1035.9	434.5	222.1	139.7	95.3					
10	63.4	63.4	115.3	270.5	645.0	3061.4	3130.1	1006.3	415.4	217.6	139.7	95.3					
11	63.4	68.4	115.3	275.6	692.9	3112.9	2909.7	991.7	402.9	213.0	139.7	93.3					
12	63.4	71.0	115.3	301.8	759.4	3147.4	2681.3	962.8	390.7	213.0	136.1	93.3					
13	63.4	73.6	112.0	319.1	820.9	3199.5	2416.5	943.7	378.5	209.6	136.1	90.3					
14	60.9	76.3	112.0	340.5	892.3	3252.1	2179.9	915.5	369.6	208.6	132.5	90.3					
15	60.9	76.3	115.3	369.6	910.0	3322.9	1901.3	896.9	357.8	204.1	132.5	90.3					
16	60.9	76.3	118.7	387.6	996.6	3376.5	1654.2	869.4	346.2	204.1	129.0	87.4					
17	60.9	79.0	118.7	399.9	1065.9	3430.5	1483.2	842.3	340.5	199.7	129.0	87.4					
18	58.6	81.7	118.7	406.0	1106.6	3484.9	1388.6	815.7	329.2	195.4	125.5	87.4					
19	58.6	81.7	122.0	406.0	1137.6	3521.5	1321.4	799.4	323.7	195.4	125.5	84.6					
20	58.6	81.7	125.5	406.0	1179.6	3513.6	1288.0	763.6	319.1	191.1	122.0	84.6					
21	58.6	84.6	129.0	399.9	1266.0	3680.2	1233.2	748.7	312.6	191.1	122.0	84.6					
22	"	4.6	132.5	393.7	1355.3	3753.5	1200.9	721.6	301.8	186.9	119.7	81.7					
23	56.2	84.6	132.5	399.9	1436.0	3801.5	1159.1	705.1	296.5	182.7	118.7	81.7					
24	56.2	81.7	136.1	406.0	1519.0	3820.6	1148.1	680.7	291.2	182.7	115.3	81.7					
25	56.2	81.7	136.1	412.3	1592.1	3909.7	1148.1	664.7	286.0	179.5	115.3	79.0					
26	53.9	81.7	139.7	412.3	1666.0	3839.7	1137.6	648.9	280.0	178.5	112.0	79.0					
27	53.9	79.0	143.4	406.0	1730.4	3878.0	1127.2	648.9	275.6	174.4	112.0	79.0					
28	"	9.0	147.1	406.0	1808.3	3918.5	1148.1	617.9	270.5	170.4	109.0	75.3					
29	53.9	79.0	147.1	399.9	1914.0	3974.7	1148.1	602.6	265.5	170.4	109.0	75.3					
30	53.9	84.6	154.6	393.7	"	4052.9	1148.1	580.1	260.5	166.4	109.0	75.3					
31	56.2	"	162.4	406.0	"	4112.0	"	565.3	"	166.4	105.6	"					
MEAN	61.0	72.1	120.8	330.0	996.0	3310.2	2271.5	880.4	372.7	204.8	130.7	89.7	734.6				
M.A.	71.0	84.6	162.4	412.3	1914.0	4112.0	4112.0	1137.6	543.5	255.5	162.4	105.6	4112.0				
MIN.	53.9	53.9	87.4	170.4	412.3	2052.2	1127.2	565.3	260.5	166.4	105.6	76.3	53.9				

[Discharge Rating Curve]:  $Q=25.628*(H+1.095)^2$

[Flow Regime (m3/s)]:

Q(95day): 020.9      Q(105day): 222.1      Q(275day): 102.4      Q(355day): 56.2

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150	ZAMBEZI PUMP HOUSE												YEAR : 1960/61	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.61	0.49	1.16	1.40	3.14	7.07	11.64	9.00	4.09	2.56	1.90	1.25			
2	0.61	0.49	1.16	1.40	3.20	7.50	11.67	7.06	4.02	2.53	1.90	1.22			
3	0.61	0.49	1.16	1.40	3.29	7.83	11.70	7.65	3.93	2.50	1.77	1.22			
4	0.58	0.49	1.16	1.43	3.35	8.17	11.77	7.47	3.97	2.47	1.74	1.19			
5	0.58	0.49	1.19	1.46	3.44	8.50	11.80	7.29	3.79	2.44	1.74	1.19			
6	0.55	0.49	1.19	1.49	3.57	8.75	11.80	7.07	3.73	2.41	1.71	1.16			
7	0.55	0.49	1.16	1.52	3.66	9.09	11.80	6.09	3.66	2.39	1.71	1.16			
8	0.55	0.49	1.16	1.55	3.78	9.24	11.73	6.71	3.60	2.30	1.69	1.16			
9	0.55	0.52	1.16	1.59	3.96	9.57	11.67	6.52	3.54	2.35	1.65	1.13			
10	0.55	0.52	1.13	1.65	4.08	9.85	11.61	6.10	3.47	2.32	1.62	1.13			
11	0.55	0.52	1.13	1.77	4.30	10.15	11.58	5.94	3.41	2.29	1.62	1.10			
12	0.55	0.55	1.10	1.85	4.42	10.33	11.52	5.79	3.35	2.26	1.58	1.10			
13	0.55	0.55	1.10	2.07	4.51	10.42	11.46	5.70	3.29	2.23	1.59	1.10			
14	0.55	0.55	1.10	2.19	4.57	10.55	11.34	5.61	3.23	2.19	1.55	1.07			
15	0.52	0.50	1.10	2.29	4.63	10.64	11.25	5.55	3.20	2.16	1.55	1.07			
16	0.52	0.61	1.07	2.47	4.66	10.78	11.13	5.49	3.14	2.12	1.52	1.07			
17	0.52	0.67	1.07	2.56	4.75	10.79	10.94	5.46	3.09	2.13	1.49	1.04			
18	0.52	0.73	1.07	2.68	4.85	10.88	10.79	5.39	3.02	2.10	1.49	1.04			
19	0.52	0.79	1.07	2.74	4.97	10.97	10.64	5.27	2.99	2.07	1.46	1.01			
20	0.52	0.85	1.07	2.77	5.09	11.06	10.42	5.10	2.96	2.01	1.46	1.01			
21	0.52	0.91	1.07	2.80	5.21	11.16	10.21	5.06	2.90	1.99	1.43	1.01			
22	0.52	0.94	1.13	2.93	5.30	11.25	10.00	4.97	2.87	1.95	1.43	0.99			
23	0.52	0.99	1.16	2.87	5.39	11.31	9.66	4.90	2.83	1.92	1.40	0.99			
24	0.52	1.07	1.19	2.90	5.55	11.40	9.54	4.79	2.80	1.92	1.37	0.99			
25	0.52	1.07	1.22	2.93	5.82	11.52	9.33	4.69	2.77	1.89	1.34	0.94			
26	0.52	1.07	1.25	2.96	6.07	11.59	9.11	4.60	2.71	1.89	1.34	0.94			
27	0.52	1.07	1.28	2.96	6.40	11.64	8.90	4.51	2.69	1.86	1.31	0.94			
28	0.52	1.10	1.34	2.99	6.74	11.64	8.66	4.42	2.65	1.86	1.31	0.94			
29	0.52	1.13	1.34	3.02		11.64	8.50	4.36	2.62	1.86	1.29	0.91			
30	0.52	1.13	1.40	3.05		11.61	8.26	4.27	2.59	1.83	1.29	0.91			
31	0.49		1.40	3.08		11.61		4.18		1.83	1.25				
MEAN	0.54	0.73	1.17	2.20	4.60	10.27	10.60	5.73	3.23	2.15	1.52	1.06	3.83		
M.	0.61	1.13	1.40	3.08	6.74	11.64	11.80	9.09	4.09	2.56	1.90	1.25	11.00		
MIN.	0.49	0.49	1.07	1.40	3.14	7.07	9.26	4.10	2.59	1.93	1.25	0.91	0.49		

*QM*	ST.: 1-150	ZAMBEZI PUMP HOUSE												YEAR : 1960/61	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	73.6	63.4	129.0	159.5	457.3	1704.0	4151.7	2151.2	604.0	340.5	213.0	139.7			
2	73.6	63.4	129.0	159.5	470.6	1687.8	4171.6	2052.2	669.7	334.9	213.0	136.1			
3	73.6	63.4	129.0	159.5	490.9	2038.2	4191.6	1955.5	645.0	329.2	209.6	136.1			
4	71.0	63.4	129.0	162.4	504.7	2194.4	4231.6	1874.5	629.4	323.7	204.1	132.5			
5	71.0	63.4	132.5	166.4	525.7	2356.2	4251.7	1795.2	606.4	318.1	204.1	132.5			
6	68.4	63.4	132.5	170.4	554.4	2477.6	4251.7	1704.0	591.3	312.6	199.7	129.0			
7	68.4	63.4	129.0	174.4	576.4	2602.0	4251.7	1629.2	576.4	307.2	199.7	129.0			
8	68.4		129.0	178.5	606.4	2729.5	4211.6	1555.3	561.7	307.2	195.4	129.0			
9	68.4	65.9	129.0	182.7	652.9	2909.7	4171.6	1493.2	547.1	301.9	191.1	125.5			
10	68.4	65.9	125.5	191.1	684.8	3061.4	4131.8	1321.4	532.9	296.5	186.9	125.5			
11	68.4	65.9	125.5	209.6	742.5	3234.6	4112.0	1266.0	518.6	291.2	186.9	122.0			
12	68.4	68.4	122.0	236.2	776.5	3340.7	4072.5	1211.7	504.7	286.0	182.7	122.0			
13	68.4	68.4	122.0	255.5	802.5	3394.4	4033.3	1179.6	490.9	280.0	182.7	122.0			
14	68.4	68.4	122.0	275.6	820.1	3466.7	3955.2	1149.1	477.3	275.6	178.5	119.7			
15	65.9	71.0	122.0	291.2	837.8	3521.5	3897.2	1127.2	470.6	270.5	178.5	119.7			
16	65.9	73.6	118.7	323.7	846.9	3595.1	3820.6	1106.6	457.3	265.5	174.4	119.7			
17	65.9	79.0	119.7	340.5	874.0	3613.6	3707.0	1096.4	444.2	265.5	170.4	115.3			
18			118.7	363.7	901.5	3669.5	3613.6	1076.0	431.3	260.5	170.4	115.3			
19	65.9	80.3	118.7	375.6	939.0	3725.9	3521.5	1035.9	424.9	255.5	166.4	112.0			
20	65.9	86.3	118.7	381.6	977.2	3782.5	3394.4	1008.3	410.6	245.7	166.4	112.0			
21	65.9	102.4	118.7	387.6	1016.2	3839.7	3269.8	967.6	406.0	240.9	162.4	112.0			
22	65.9	105.6	125.5	393.7	1045.9	3897.2	3147.4	939.0	399.9	236.2	162.4	109.0			
23	65.9	109.0	129.0	399.9	1076.0	3935.9	2959.8	910.0	393.7	231.4	159.5	108.0			
24	65.9	119.7	132.5	406.0	1127.2	3994.2	2893.1	893.1	387.6	231.4	156.6	109.0			
25	65.9	119.7	136.1	412.3	1222.4	4072.5	2779.0	855.8	381.6	226.9	150.0	105.6			
26		8.7	139.7	418.6	1310.3	4112.0	2665.4	828.9	369.6	226.0	150.0	105.6			
27	65.9	119.7	143.4	419.6	1436.0	4151.7	2555.0	802.5	363.7	222.1	147.1	105.6			
28	65.9	122.0	150.8	424.9	1567.5	4151.7	2431.7	776.5	357.9	222.1	147.1	105.6			
29	65.9	125.5	150.8	431.3		4151.7	2356.2	759.4	352.0	222.1	143.4	102.4			
30	65.9	125.5	159.5	437.7		4131.8	2237.9	734.1	346.2	217.6	143.4	102.4			
31	63.4		150.5	444.2		4131.8		709.2		217.6	139.7				
MEAN	67.6	85.8	130.4	300.9	851.5	3350.8	3501.3	1224.0	481.3	269.9	175.3	110.6	894.7		
M.	73.6	125.5	159.5	444.2	1567.5	4151.7	4251.7	2151.2	604.0	340.5	213.0	139.7	4251.7		
MIN.	63.4	63.4	119.7	159.5	457.3	1704.0	2237.9	709.2	346.2	217.6	139.7	102.4	63.4		

[Discharge Rating Curve]:  $Q=25.626*(H+1.095)^2$

[Flow Regime (m3/s)]:

Q(95day): 901.5      Q(105day): 265.5      Q(275day): 125.5      Q(355day): 65.9

<<< RAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST. : 1-150	ZAMBEZI PUMP HOUSE											YEAR : 1961/62	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.00	0.73	1.49	4.05	6.09	9.72	11.46	7.62	3.99	2.23	1.03	1.34		
2	0.00	0.73	1.52	4.09	6.92	9.69	11.34	7.13	3.93	2.26	1.03	1.34		
3	0.00	0.73	1.52	4.11	6.99	9.66	11.22	7.25	3.04	2.29	1.00	1.31		
4	0.08	0.76	1.55	4.18	7.01	9.69	11.09	7.07	3.70	2.29	1.00	1.31		
5	0.05	0.76	1.50	4.24	7.01	9.75	11.03	6.89	3.72	2.29	1.77	1.29		
6	0.05	0.79	1.50	4.30	7.01	9.01	11.06	6.60	3.66	2.29	1.77	1.29		
7	0.05	0.79	1.65	4.32	7.04	9.09	11.06	6.55	3.60	2.26	1.77	1.29		
8	0.02	0.82	1.71	4.36	7.16	9.94	11.00	6.40	3.54	2.26	1.74	1.25		
9	0.02	0.82	1.80	4.36	7.20	10.02	10.97	6.20	3.47	2.26	1.71	1.25		
10	0.02	0.82	1.93	4.39	7.44	10.12	10.80	6.16	3.41	2.23	1.60	1.22		
11	0.02	0.82	1.86	4.40	7.59	10.24	10.79	6.04	3.35	2.23	1.60	1.22		
12	0.79	0.85	1.92	4.63	7.74	10.36	10.67	5.91	3.29	2.23	1.65	1.22		
13	0.79	0.85	1.95	4.79	7.96	10.52	10.55	5.79	3.26	2.19	1.65	1.19		
14	0.79	0.85	2.01	5.00	8.14	10.61	10.42	5.70	3.20	2.19	1.62	1.19		
15	0.79	0.80	2.04	5.27	8.30	10.76	10.30	5.61	3.17	2.16	1.62	1.16		
16	0.79	0.94	2.10	5.39	8.63	10.85	10.10	5.52	3.11	2.16	1.58	1.16		
17	0.79	0.90	2.23	5.50	8.81	10.91	10.06	5.43	3.05	2.16	1.55	1.16		
18	0.79	1.01	2.35	5.73	8.93	10.97	9.94	5.33	2.99	1.93	1.55	1.13		
19	0.79	1.07	2.50	5.90	9.33	11.03	9.70	5.21	2.95	2.10	1.52	1.13		
20	0.79	1.13	2.60	6.13	9.54	11.09	9.63	5.09	2.90	2.10	1.52	1.13		
21	0.76	1.19	2.90	6.22	9.66	11.13	9.40	4.97	2.82	2.07	1.49	1.10		
22	0.76	1.25	3.00	6.34	9.70	11.25	9.24	4.80	2.74	2.07	1.49	1.10		
23	0.76	1.28	3.23	6.40	9.85	11.34	9.00	4.79	2.68	2.04	1.46	1.07		
24	0.76	1.31	3.41	6.43	9.94	11.40	8.96	4.69	2.59	2.04	1.46	1.07		
25	0.73	1.31	3.54	6.43	9.85	11.46	8.72	4.60	2.53	1.90	1.43	1.04		
26	0.73	1.34	3.63	6.46	9.91	11.50	8.60	4.51	2.44	1.95	1.43	1.04		
27	0.73	1.37	3.72	6.52	9.79	11.67	8.30	4.42	2.39	1.95	1.43	1.01		
28	0.73	1.40	3.81	6.55	9.75	11.73	8.14	4.33	2.32	1.92	1.40	1.01		
29	0.73	1.43	3.84	6.61		11.70	7.96	4.24	2.26	1.99	1.40	0.99		
30	0.76	1.46	3.93	6.74		11.64	7.80	4.15	2.12	1.96	1.37	0.94		
31	0.76		4.02	6.83		11.58		4.08		1.96	1.37			
MEAN	0.80	1.02	2.40	5.30	8.36	10.71	9.99	5.59	3.11	2.12	1.59	1.16	4.33	
MAX	0.00	1.46	4.02	6.93	9.94	11.73	11.46	7.62	3.99	2.29	1.03	1.34	11.73	
MIN	0.73	0.73	1.49	4.05	6.09	9.66	7.90	4.00	2.19	1.93	1.37	0.94	0.73	

*QM*	ST. : 1-150	ZAMBEZI PUMP HOUSE											YEAR : 1961/62	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	99.3	84.6	170.4	676.7	1629.2	2993.5	4033.3	1941.9	660.0	290.0	217.6	150.0		
2	99.3	84.6	174.4	684.0	1641.7	2976.7	3955.2	1730.4	645.0	286.0	217.6	150.0		
3	99.3	84.6	174.4	692.9	1666.0	2959.0	3870.0	1702.1	621.7	291.2	213.0	147.1		
4	99.3	87.4	178.5	709.2	1679.4	2976.7	3801.5	1704.0	606.4	291.2	213.0	147.1		
5	96.3	87.4	182.7	725.7	1679.4	3010.4	3783.5	1829.2	591.3	291.2	208.6	143.4		
6	96.3	90.3	182.7	742.5	1679.4	3044.4	3782.5	1543.2	576.4	291.2	208.6	143.4		
7	96.3	90.3	191.1	750.9	1692.1	3078.5	3782.5	1495.1	561.7	295.0	208.6	143.4		
8	99.3	99.3	199.7	759.4	1743.2	3112.9	3744.6	1436.0	547.1	286.0	204.1	139.7		
9	99.3	99.3	213.0	759.4	1795.2	3164.7	3725.0	1389.6	532.0	286.0	199.7	139.7		
10	99.3	99.3	217.6	767.9	1861.1	3217.0	3669.5	1344.0	518.6	280.0	195.4	136.1		
11	99.3	99.3	222.1	793.0	1920.2	3207.4	3613.6	1299.1	504.7	280.0	195.4	136.1		
12	90.3	96.3	231.4	837.0	1996.6	3358.6	3539.0	1255.0	490.9	280.0	191.1	136.1		
13	90.3	96.3	236.2	893.1	2094.3	3449.6	3466.7	1211.7	484.1	275.6	191.1	132.5		
14	90.3	96.3	245.7	940.5	2179.9	3503.2	3394.4	1179.6	470.6	275.6	186.9	132.5		
15	90.3	99.3	250.6	1035.9	2296.7	3595.1	3322.9	1140.1	463.9	270.5	186.9	129.0		
16	90.3	105.6	260.5	1076.0	2416.5	3650.0	3252.1	1116.9	450.7	270.5	182.7	129.0		
17	90.3	109.0	280.8	1137.6	2509.4	3680.2	3182.1	1096.2	437.7	270.5	178.5	129.0		
18	90.3	112.0	301.9	1190.3	2570.6	3725.0	3112.9	1055.9	424.9	217.6	170.5	125.5		
19	90.3	110.7	329.2	1244.1	2770.0	3763.5	3027.4	1016.2	419.6	260.5	174.4	125.5		
20	90.3	125.5	363.7	1332.7	2893.1	3801.5	2943.1	977.2	406.0	260.5	174.4	125.5		
21	87.4	132.5	406.0	1366.7	2959.0	3820.6	2860.0	939.0	393.7	255.5	170.4	122.0		
22	87.4	139.7	444.2	1412.7	3027.4	3897.2	2729.5	910.9	375.6	255.5	170.4	122.0		
23	87.4	143.4	477.3	1436.0	3061.4	3955.2	2649.4	893.1	363.7	250.6	166.4	119.7		
24	87.4	147.1	510.6	1447.7	3112.9	3994.2	2586.3	855.0	346.2	250.6	166.4	119.7		
25	84.6	147.1	547.1	1447.7	3061.4	4033.3	2462.3	820.9	334.9	240.9	162.4	115.3		
26	84.6	150.0	569.0	1459.5	3044.4	4112.0	2401.4	802.5	318.1	236.2	152.4	115.3		
27	84.6	154.6	591.3	1493.2	3027.4	4171.6	2296.7	776.5	307.2	236.2	162.4	112.0		
28	84.6	159.5	614.0	1495.1	3010.4	4211.6	2179.9	750.9	296.5	231.4	158.5	112.0		
29	84.6	162.4	621.7	1519.0		4191.6	2094.3	725.9	286.0	226.9	158.5	109.0		
30	87.4	166.4	645.0	1567.5		4151.7	2024.3	701.0	275.6	222.1	154.6	105.6		
31	87.4		660.7	1604.4		4112.0		684.0		222.1	154.6			
MEAN	91.0	114.0	345.5	1096.4	2322.7	3590.9	3175.9	1167.0	457.1	263.3	184.3	129.7	1060.4	
MAX	99.3	166.4	660.7	1604.4	3112.9	4211.6	4033.3	1941.9	660.0	291.2	217.6	150.0	1211.6	
MIN	84.6	84.6	170.4	676.7	1629.2	2959.0	2024.3	684.0	275.6	217.6	154.6	105.6	84.6	

[Discharge Rating Curve]:  $Q=25.626*(H+1.005)^{2.2}$

[ flow Regime (m3/s) ]:

Q(105day): 1604.4      Q(195day): 363.7      Q(275day): 150.5      Q(355day): 87.4

<<< MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST. : 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1962/63	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.94	0.95	1.43	4.05	0.69	11.43	11.16	6.19	3.44	2.26	1.60	1.19		
2	0.94	0.95	1.46	4.30	0.66	11.31	11.03	6.07	3.39	2.23	1.65	1.19		
3	0.91	0.85	1.49	4.54	0.63	11.16	10.91	5.94	3.32	2.19	1.69	1.16		
4	0.91	0.82	1.55	4.63	0.60	11.03	10.76	5.82	3.26	2.16	1.65	1.16		
5	0.91	0.82	1.62	4.05	0.50	10.00	10.50	5.70	3.20	2.13	1.62	1.13		
6	0.91	0.82	1.65	5.12	0.38	10.73	10.39	5.58	3.20	2.10	1.62	1.10		
7	0.80	0.85	1.60	5.49	0.29	10.50	10.24	5.43	3.17	2.07	1.59	1.10		
8	0.80	0.85	1.83	5.73	0.23	10.45	10.00	5.33	3.08	2.04	1.59	1.10		
9	0.80	0.85	2.04	5.97	0.26	10.30	9.81	5.18	3.02	2.04	1.55	1.07		
10	0.80	0.80	2.07	6.22	0.35	10.18	9.97	5.09	2.99	2.01	1.52	1.07		
11	0.80	0.80	2.10	6.61	0.47	10.12	9.78	5.05	2.96	2.01	1.52	1.07		
12	0.85	0.91	2.13	7.01	0.66	10.09	9.33	4.97	2.93	1.98	1.49	1.07		
13	0.85	0.91	2.19	7.28	0.67	10.18	9.20	4.91	2.87	1.98	1.45	1.04		
14	0.85	0.91	2.32	7.47	0.11	10.30	8.95	4.85	2.83	1.95	1.46	1.04		
15	0.85	0.91	2.50	7.62	0.39	10.45	8.78	4.85	2.77	1.95	1.45	1.04		
16	0.82	0.94	2.68	7.77	0.69	10.64	8.60	4.82	2.74	1.95	1.43	1.01		
17	0.82	0.90	2.80	7.92	0.97	10.76	8.38	4.82	2.71	1.95	1.43	0.94		
18	0.82	1.01	2.90	8.17	10.15	10.94	8.17	4.86	2.68	1.92	1.43	0.94		
19	0.85	1.04	3.02	8.35	10.33	11.09	7.92	4.51	2.65	1.89	1.40	0.94		
20	0.85	1.07	3.08	8.41	10.52	11.19	7.77	4.39	2.62	1.89	1.40	0.94		
21	0.85	1.10	3.14	8.60	10.76	11.28	7.44	4.30	2.56	1.86	1.40	0.94		
22	0.85	1.13	3.17	8.78	10.94	11.37	7.32	4.24	2.52	1.83	1.37	0.94		
23	0.85	1.16	3.20	8.93	11.13	11.43	7.22	4.11	2.50	1.83	1.34	0.94		
24	0.85	1.19	3.23	9.05	11.29	11.46	7.07	4.05	2.47	1.80	1.34	0.94		
25	0.85	1.22	3.26	9.11	11.45	11.52	6.92	3.93	2.44	1.77	1.31	0.94		
26	0.85	1.25	3.29	9.11	11.52	11.55	6.80	3.87	2.41	1.77	1.28	0.94		
27	0.85	1.28	3.35	9.09	11.52	11.52	6.68	3.81	2.38	1.77	1.25	0.94		
28	0.85	1.31	3.44	8.99	11.52	11.49	6.52	3.75	2.35	1.74	1.25	0.94		
29	0.85	1.34	3.66	8.90		11.46	6.43	3.69	2.32	1.74	1.25	0.94		
30	0.85	1.37	3.66	8.81		11.37	6.31	3.60	2.29	1.71	1.22	0.94		
31	0.85		3.87	8.75		11.28		3.51		1.71	1.22			
MEAN	0.87	1.01	2.58	7.28	9.64	10.95	8.68	4.74	2.88	1.94	1.45	1.02	4.38	
M.	0.94	1.37	3.87	9.11	11.52	11.55	11.16	6.19	3.44	2.26	1.60	1.19	11.55	
MIN.	0.82	0.82	1.43	4.05	8.23	10.09	6.31	3.51	2.29	1.71	1.22	0.94	0.92	

*QM*	ST. : 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1962/63	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	105.8	96.3	162.4	676.7	2447.0	4013.7	3839.7	1355.3	525.7	286.0	195.4	132.5		
2	102.4	96.3	166.4	742.5	2431.7	3935.9	3783.5	1310.3	511.6	280.0	191.1	132.5		
3	102.4	96.3	170.4	811.3	2416.5	3839.7	3688.2	1266.0	497.8	275.6	195.4	129.0		
4	102.4	93.3	178.5	837.8	2401.4	3783.5	3595.1	1222.4	484.1	270.5	191.1	129.0		
5	102.4	93.3	186.9	901.5	2356.2	3689.5	3484.9	1179.6	470.8	265.5	186.9	125.5		
6	102.4	93.3	191.1	986.9	2298.7	3576.6	3376.5	1137.6	470.6	260.5	186.9	122.0		
7	99.3	96.3	195.4	1106.6	2252.6	3484.9	3287.4	1086.2	463.9	255.5	182.7	122.0		
8	99.3	96.3	217.6	1190.3	2223.4	3412.4	3147.4	1055.9	444.2	250.6	182.7	122.0		
9	99.3	96.3	250.8	1277.0	2237.9	3322.9	3044.4	1006.3	431.3	250.6	178.5	119.7		
10	99.3	99.3	255.5	1366.7	2291.9	3252.1	3130.1	977.2	424.9	245.7	174.4	118.7		
11	99.3	99.3	280.5	1519.0	2341.3	3217.0	3027.4	957.6	418.6	245.7	174.4	118.7		
12	96.3	102.4	265.5	1679.4	2431.7	3199.5	2778.0	939.0	412.3	240.9	170.4	118.7		
13	96.3	102.4	275.6	1795.2	2539.4	3252.1	2713.4	920.2	399.9	240.9	168.4	115.3		
14	96.3	102.4	296.5	1874.5	2665.4	3322.9	2586.3	901.5	393.7	236.2	168.4	115.3		
15	96.3	102.4	329.2	1941.9	2810.7	3412.4	2493.0	901.5	381.6	236.2	168.4	115.3		
16	93.3	105.6	383.7	2010.5	2976.7	3521.5	2401.4	892.3	375.6	236.2	162.4	112.0		
17	93.3	109.8	397.6	2080.2	3130.1	3595.1	2296.7	892.3	369.6	236.2	162.4	105.6		
18	93.3	112.0	406.0	2194.4	3234.6	3707.0	2194.4	846.8	363.7	231.4	162.4	105.6		
19	96.3	115.3	431.3	2281.9	3340.7	3801.5	2080.2	802.5	357.0	226.8	158.5	105.6		
20	96.3	118.7	444.2	2311.5	3448.6	3858.0	2010.5	767.9	352.0	226.8	158.5	105.6		
21	96.3	122.0	457.3	2401.4	3595.1	3916.5	1861.1	742.5	340.5	222.1	158.5	105.6		
22	96.3	125.5	463.9	2493.0	3707.0	3974.7	1808.3	725.7	334.9	217.6	154.6	105.6		
23	96.3	129.0	470.6	2570.6	3820.6	4013.7	1769.1	692.9	329.2	217.6	150.8	105.6		
24	96.3		7.3	2633.6	3916.5	4033.3	1704.8	676.7	323.7	213.0	150.8	105.6		
25	96.3	136.1	484.1	2665.4	4033.3	4072.5	1641.7	645.0	318.1	208.6	147.1	105.6		
26	96.3	139.7	490.9	2665.4	4072.5	4092.3	1592.1	629.4	312.6	208.6	143.4	105.6		
27	96.3	143.4	504.7	2633.6	4072.5	4072.5	1543.2	614.0	307.2	208.6	139.7	105.6		
28	96.3	147.1	525.7	2602.0	4072.5	4052.9	1483.2	598.8	301.8	204.1	139.7	105.6		
29	96.3	150.8	576.4	2555.0		4033.3	1447.7	583.0	296.5	204.1	139.7	105.6		
30	96.3	154.6	576.4	2500.4		3974.7	1401.1	561.7	291.2	199.7	136.1	105.6		
31	96.3		629.4	2477.6		3916.5		539.9		199.7	136.1			
MEAN	97.8	112.6	357.0	1864.2	2984.1	3719.7	2506.4	885.1	390.2	235.6	164.8	114.2	1107.8	
M.	105.6	154.6	629.4	2665.4	4072.5	4092.3	3839.7	1355.3	525.7	286.0	195.4	132.5	4092.3	
MIN.	93.3	93.3	162.4	676.7	2223.4	2199.5	1401.1	539.9	291.2	199.7	136.1	105.6	93.3	

[Discharge Rating Curve]:  $Q=25.626*(H+1.005)^2$   
 [Flow Regime (m3/s)]:  
 Q(5day): 2010.5      Q(105day): 363.7      Q(275day): 139.7      Q(355day): 96.3

<<< MASTER PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge >>>

*MIM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR: 1963/64	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.91	0.95	1.74	3.17	4.69	6.06	7.71	4.05	2.41	1.77	1.31	0.99		
2	0.90	0.90	1.74	3.17	4.69	6.74	7.59	3.98	2.30	1.74	1.31	0.90		
3	0.90	0.91	1.77	3.14	4.75	6.55	7.41	3.04	2.35	1.74	1.20	0.90		
4	0.90	0.90	1.90	3.17	4.75	6.43	7.22	3.70	2.32	1.71	1.20	0.90		
5	0.90	0.90	1.93	3.17	4.75	6.34	7.04	3.69	2.29	1.60	1.20	0.94		
6	0.90	1.01	1.95	3.20	4.79	6.22	6.83	3.63	2.26	1.60	1.25	0.91		
7	0.90	1.04	2.01	3.29	4.85	6.13	6.64	3.57	2.23	1.60	1.25	0.91		
8	0.90	1.07	2.13	3.57	5.00	6.04	6.46	3.44	2.19	1.65	1.22	0.91		
9	0.90	1.10	2.23	3.70	5.30	5.94	6.34	3.32	2.19	1.62	1.22	0.91		
10	0.85	1.13	2.38	3.81	5.67	5.88	6.16	3.29	2.16	1.59	1.19	0.91		
11	0.85	1.16	2.44	3.84	5.91	5.82	6.04	3.26	2.13	1.55	1.19	0.91		
12	0.85	1.22	2.50	3.93	6.22	6.00	5.89	3.20	2.13	1.55	1.19	0.90		
13	0.85	1.28	2.56	4.02	6.61	6.40	5.76	3.14	2.10	1.52	1.19	0.90		
14	0.85	1.28	2.59	4.02	7.16	6.83	5.87	3.08	2.07	1.52	1.16	0.85		
15	0.85	1.31	2.62	4.05	7.59	7.47	5.50	3.05	2.04	1.49	1.16	0.85		
16	0.82	1.31	2.60	4.21	7.74	7.96	5.49	2.99	2.01	1.49	1.16	0.85		
17	0.82	1.34	2.71	4.39	7.74	8.11	5.33	2.93	1.99	1.49	1.13	0.85		
18	0.82	1.37	2.74	4.85	7.60	8.17	5.24	2.90	1.98	1.49	1.13	0.80		
19	0.82	1.37	2.77	4.88	7.65	8.17	5.18	2.83	1.95	1.46	1.10	0.80		
20	0.82	1.40	2.83	4.88	7.47	8.14	5.06	2.80	1.95	1.46	1.10	0.80		
21	0.82	1.40	2.87	4.94	7.35	8.09	4.97	2.74	1.92	1.43	1.10	0.85		
22	0.82	1.46	2.90	4.94	7.35	8.02	4.89	2.71	1.92	1.43	1.07	0.85		
23	0.82	1.49	2.95	4.91	7.38	7.92	4.79	2.68	1.92	1.43	1.07	0.85		
24	0.79	1.52	3.11	4.75	7.30	7.92	4.65	2.65	1.89	1.40	1.04	0.82		
25	0.79	1.55	3.14	4.69	7.41	7.92	4.57	2.62	1.86	1.40	1.04	0.82		
26	0.82	1.62	3.20	4.63	7.44	7.96	4.51	2.62	1.83	1.40	1.04	0.82		
27	0.82	1.65	3.23	4.60	7.38	8.02	4.39	2.59	1.80	1.37	1.01	0.79		
28	0.82	1.68	3.20	4.57	7.28	8.17	4.30	2.53	1.80	1.37	1.01	0.79		
29	0.82	1.71	3.20	4.60	6.99	8.00	4.21	2.50	1.77	1.37	1.01	0.79		
30	0.82	1.74	3.20	4.60		7.96	4.11	2.47	1.77	1.34	0.98	0.79		
31	0.85		3.20	4.65		7.96		2.44		1.34	0.98			
MEAN	0.85	1.29	2.59	4.14	6.44	7.23	5.67	3.07	2.05	1.52	1.14	0.89	3.06	
M	0.91	1.74	3.23	4.94	7.74	8.17	7.71	4.05	2.41	1.77	1.31	0.90	6.17	
MIN	0.79	0.85	1.74	3.14	4.69	5.82	4.11	2.44	1.77	1.34	0.98	0.79	0.79	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR: 1963/64	[DISCHARGE (m <sup>3</sup> /s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	102.4	96.3	204.1	463.9	855.8	1616.8	1982.9	676.7	312.5	209.6	147.1	109.8		
2	99.3	96.3	204.1	463.9	855.8	1567.5	1920.3	652.9	307.2	204.1	147.1	109.8		
3	99.3	102.4	200.6	457.3	874.0	1495.1	1847.8	621.7	301.0	204.1	143.4	109.8		
4	99.3	109.8	213.0	463.9	874.0	1447.7	1769.1	606.4	296.5	199.7	143.4	109.8		
5	99.3	109.8	217.6	463.9	874.0	1412.7	1692.1	583.8	291.2	195.4	143.4	105.6		
6	99.3	112.0	236.2	470.6	883.1	1366.7	1604.4	569.0	286.0	195.4	139.7	102.4		
7	99.3	115.3	245.7	490.9	901.5	1332.7	1531.1	554.4	280.0	195.4	139.7	102.4		
8	99.3	110.7	265.5	554.4	940.5	1299.1	1459.5	525.7	275.6	191.1	136.1	102.4		
9	99.3	122.0	280.8	606.4	1045.9	1265.0	1412.7	497.9	275.6	186.9	136.1	102.4		
10	96.3	125.5	307.2	614.0	1169.1	1244.1	1344.0	490.9	270.5	182.7	132.5	102.4		
11	96.3	129.0	318.1	621.7	1255.0	1222.4	1299.1	484.1	265.5	179.5	132.5	102.4		
12	96.3	136.1	329.2	645.0	1366.7	1208.0	1244.1	470.6	265.5	179.5	132.5	99.3		
13	96.3	143.4	340.5	660.7	1519.0	1436.0	1200.9	457.3	260.5	174.4	132.5	99.3		
14	96.3	143.4	346.2	660.7	1743.2	1604.4	1169.1	444.2	255.5	174.4	129.0	96.3		
15	96.3	147.1	352.0	676.7	1920.3	1874.5	1137.6	437.7	250.6	170.4	129.0	96.3		
16	93.3	147.1	363.7	717.5	1996.6	2094.3	1106.6	424.9	245.7	170.4	129.0	96.3		
17	93.3	150.8	369.6	767.9	1996.6	2165.5	1055.9	412.3	240.9	170.4	125.5	96.3		
18	93.3	154.6	375.6	901.5	1669.2	2194.4	1026.0	406.0	240.9	170.4	125.5	99.3		
19	93.3	154.6	391.6	910.8	1955.5	2194.4	1006.3	393.7	236.2	166.4	122.0	99.3		
20	93.3	158.5	393.7	910.8	1874.5	2179.9	967.6	387.6	236.2	166.4	122.0	99.3		
21	93.3	159.5	399.9	929.5	1821.4	2151.2	939.0	375.6	231.4	162.4	122.0	96.3		
22	93.3	166.4	406.0	929.5	1821.4	2122.7	910.8	369.6	231.4	162.4	119.7	96.3		
23	93.3	170.4	418.6	920.2	1834.6	2080.2	883.1	363.7	226.9	162.4	119.7	96.3		
24	90.3	174.4	450.7	974.0	1834.6	2080.2	846.0	357.8	226.9	159.5	115.3	93.3		
25	90.3	178.5	457.3	955.0	1847.8	2080.2	820.1	352.0	222.1	159.5	115.3	93.3		
26	93.3	186.9	470.6	937.0	1861.1	2094.3	802.5	352.0	217.6	159.5	115.3	93.3		
27	93.3	191.1	477.3	820.9	1834.6	2122.7	767.9	346.2	217.6	154.6	112.0	90.3		
28	93.3	195.4	470.6	820.1	1795.2	2194.4	742.5	334.9	213.0	154.6	112.0	90.3		
29	93.3	199.7	470.6	820.9	1629.2	2151.2	717.5	329.2	209.6	154.6	112.0	90.3		
30	93.3	204.1	470.6	828.9		2094.3	692.9	323.7	209.6	150.8	109.8	90.3		
31	96.3		470.6	846.0		2052.2		318.1		150.8				
MEAN	95.6	146.6	352.1	710.9	1408.5	1791.2	1196.9	449.1	253.3	174.6	127.3	90.9	570.4	
M	102.4	204.1	477.3	929.5	1996.6	2194.4	1982.9	676.7	312.6	209.6	147.1	109.8	2194.4	
MIN	90.3	96.3	204.1	457.3	855.8	1222.4	692.9	318.1	209.6	150.8	109.8	90.3	90.3	

[Discharge Rating Curve]:  $Q=25.626*(H+1.095)^2$

[flow Regime (m<sup>3</sup>/s)]:

Q(95day): 829.9      Q(105day): 270.5      Q(275day): 132.5      Q(355day): 93.3

<< MASTER PROGRAM for DD-05(Normal Year):Daily River W/L & Discharge >>>

*IIM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1964/65	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.76	0.76	1.04	2.01	5.03	8.69	7.60	4.60	2.59	1.06	1.31	0.91		
2	0.73	0.76	1.01	2.04	5.09	8.69	7.56	4.54	2.53	1.03	1.20	0.91		
3	0.73	0.73	1.04	2.29	5.24	8.66	7.41	4.45	2.50	1.00	1.25	0.88		
4	0.73	0.76	1.07	2.44	5.46	8.63	7.35	4.36	2.47	1.77	1.25	0.88		
5	0.73	0.79	1.10	2.56	5.67	8.60	7.22	4.30	2.44	1.74	1.25	0.88		
6	0.70	0.79	1.16	2.74	5.91	8.56	7.10	4.24	2.41	1.74	1.22	0.88		
7	0.67	0.79	1.22	2.93	6.25	8.53	6.99	4.11	2.39	1.71	1.22	0.85		
8	0.67	0.82	1.22	3.14	6.77	8.53	6.85	4.05	2.35	1.68	1.19	0.85		
9	0.67	0.85	1.25	3.41	7.13	8.53	6.77	3.96	2.32	1.60	1.19	0.85		
10	0.64	0.85	1.25	3.51	7.41	8.53	6.71	3.87	2.32	1.65	1.16	0.85		
11	0.61	0.85	1.25	3.90	7.62	8.56	6.58	3.81	2.29	1.65	1.16	0.85		
12	0.61	0.85	1.25	4.09	7.74	8.66	6.49	3.75	2.26	1.62	1.13	0.82		
13	0.61	0.85	1.31	4.21	7.86	8.69	6.37	3.63	2.25	1.58	1.13	0.82		
14	0.61	0.85	1.31	4.30	7.99	8.78	6.29	3.57	2.19	1.58	1.13	0.82		
15	0.59	0.80	1.31	4.45	8.11	8.81	6.16	3.51	2.19	1.55	1.10	0.82		
16	0.59	0.81	1.34	4.51	8.17	8.87	6.07	3.41	2.16	1.52	1.10	0.82		
17	0.59	0.84	1.37	4.60	8.23	8.93	5.97	3.25	2.13	1.52	1.07	0.82		
18	0.61	0.84	1.40	4.69	8.29	8.99	5.85	3.26	2.10	1.49	1.07	0.82		
19	0.61	0.88	1.49	4.72	8.35	9.02	5.76	3.20	2.10	1.49	1.07	0.79		
20	0.59	0.88	1.49	4.72	8.47	9.05	5.67	3.17	2.07	1.46	1.04	0.79		
21	0.59	0.88	1.52	4.72	8.53	9.02	5.58	3.11	2.04	1.43	1.04	0.79		
22	0.59	1.04	1.58	4.72	8.60	8.99	5.52	3.02	2.04	1.43	1.01	0.76		
23	0.61	1.04	1.59	4.72	8.63	8.96	5.39	2.99	2.01	1.43	1.01	0.76		
24	0.64	1.01	1.62	4.75	8.66	8.84	5.30	2.93	2.01	1.40	1.01	0.76		
25	0.67	1.01	1.68	4.72	8.72	8.75	5.21	2.87	1.98	1.40	1.01	0.73		
26	0.70	1.01	1.74	4.69	8.75	8.60	5.09	2.83	1.95	1.37	0.98	0.73		
27	0.70	1.01	1.80	4.63	8.72	8.44	5.03	2.77	1.95	1.37	0.98	0.70		
28	0.73	0.98	1.90	4.72	8.72	8.29	4.94	2.71	1.92	1.34	0.94	0.70		
29	0.73	0.98	1.83	4.69	8.69	8.11	4.82	2.69	1.89	1.31	0.94	0.70		
30	0.76	0.98	1.92	4.88	8.69	7.99	4.72	2.65	1.86	1.31	0.91	0.70		
31	0.79		1.95	4.94		7.83		2.62		1.31	0.91			
MEAN	0.66	0.90	1.42	3.98	7.50	8.65	6.15	3.48	2.19	1.55	1.10	0.81	0.17	
MAX	0.79	1.04	1.95	4.94	8.75	9.05	7.60	4.60	2.59	1.95	1.31	0.91	0.85	
MIN	0.59	0.73	1.01	2.01	5.03	7.83	4.72	2.62	1.86	1.31	0.91	0.70	0.19	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1964/65	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	87.4	87.4	115.3	245.7	958.0	2447.0	1969.2	820.9	346.2	222.1	147.1	102.4		
2	84.6	87.4	112.0	250.6	977.2	2447.0	1914.8	811.3	334.9	217.6	143.4	102.4		
3	84.6	84.6	115.3	291.2	1026.0	2431.7	1847.0	785.1	329.2	213.0	139.7	99.3		
4	84.6	87.4	118.7	318.1	1096.4	2416.5	1821.4	759.4	323.7	208.6	139.7	99.3		
5	84.6	90.3	122.0	340.5	1169.1	2401.4	1789.1	742.5	319.1	204.1	139.7	99.3		
6	81.7	90.3	129.0	375.6	1255.0	2386.3	1717.6	725.7	312.6	204.1	136.1	99.3		
7	79.0	90.3	136.1	412.3	1378.1	2371.2	1666.8	692.9	307.2	199.7	136.1	96.3		
8	79.0	93.3	136.1	457.3	1579.0	2371.2	1616.0	676.7	301.8	195.4	132.5	96.3		
9	79.0	96.3	139.7	518.6	1730.4	2371.2	1579.0	652.9	296.5	195.4	132.5	96.3		
10	76.3	96.3	139.7	539.9	1847.0	2371.2	1555.3	629.4	295.5	191.1	129.0	96.3		
11	73.6	96.3	139.7	637.2	1941.9	2386.3	1507.0	614.0	291.2	191.1	129.0	96.3		
12	73.6	96.3	139.7	684.8	1996.6	2431.7	1471.3	598.8	286.0	186.9	125.5	93.3		
13	73.6	96.3	147.1	717.5	2052.2	2447.0	1424.3	569.0	286.0	182.7	125.5	93.3		
14	73.6	96.3	147.1	742.5	2108.5	2493.0	1389.6	554.4	275.6	182.7	125.5	93.3		
15	71.0	99.3	147.1	785.1	2165.5	2508.4	1344.0	539.9	275.6	178.5	122.0	93.3		
16	71.0	102.4	150.8	802.5	2194.4	2529.4	1310.3	519.6	270.5	174.4	122.0	93.3		
17	71.0	105.6	154.6	828.9	2223.4	2570.6	1277.0	504.7	265.5	174.4	118.7	93.3		
18	73.6	105.6	158.5	855.0	2252.6	2602.0	1233.2	484.1	260.5	170.4	118.7	93.3		
19	73.6	108.8	170.4	864.9	2281.9	2617.9	1200.9	470.6	260.5	170.4	118.7	90.3		
20	71.0	108.8	170.4	864.9	2341.3	2633.6	1169.1	463.9	255.5	166.4	115.3	90.3		
21	71.0	108.8	174.4	864.9	2371.2	2617.9	1137.6	450.7	250.6	162.4	115.3	90.3		
22	71.0	115.3	182.7	864.9	2401.4	2602.0	1116.9	431.3	250.6	162.4	112.0	87.4		
23	73.6	115.3	182.7	864.9	2416.5	2586.3	1076.0	424.9	245.7	162.4	112.0	87.4		
24	76.3	112.0	186.9	874.0	2431.7	2523.9	1045.9	412.3	245.7	158.5	112.0	87.4		
25	79.0	112.0	195.4	864.9	2462.3	2477.6	1018.2	399.9	240.9	158.5	112.0	84.6		
26	81.7	112.0	204.1	855.0	2477.6	2401.4	977.2	393.7	236.2	154.6	108.0	84.6		
27	81.7	112.0	213.0	837.0	2462.3	2326.4	950.0	381.6	236.2	154.6	108.0	81.7		
28	84.6	108.8	213.0	864.9	2462.3	2252.6	929.5	369.6	231.4	150.8	105.6	81.7		
29	84.6	108.8	217.6	855.0		2165.5	892.3	363.7	226.0	147.1	105.6	81.7		
30	87.4	108.8	231.4	910.8		2100.5	864.9	357.8	222.1	147.1	102.4	81.7		
31	90.3		236.2	929.5		2030.2		352.0		147.1	102.4			
MEAN	78.3	101.1	162.1	681.4	1930.8	2430.5	1360.0	547.1	276.0	178.5	122.4	92.2	655.2	
MAX	90.3	115.3	236.2	929.5	2477.6	2633.6	1969.2	820.9	346.2	222.1	147.1	102.4	2633.6	
MIN	71.0	84.6	112.0	245.7	958.0	2030.2	864.9	352.0	222.1	147.1	102.4	81.7	71.0	

[Discharge Rating Curve]:  $Q=25.626*(H+1.095)^2$   
 [Flow Regime (m3/s)]:  
 Q(10day): 864.9      Q(105day): 217.6      Q(275day): 100.0      Q(355day): 73.6

<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>

*HM*		ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1985/86		[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.70	0.50	1.01	2.01	3.54	5.43	10.06	5.49	2.07	1.90	1.37	1.04				
2	0.70	0.50	1.01	2.04	3.60	5.55	9.05	5.39	2.03	1.95	1.37	1.04				
3	0.70	0.50	1.04	2.07	3.69	5.76	9.66	5.30	2.77	1.92	1.37	1.01				
4	0.70	0.50	1.16	2.07	3.69	5.00	9.39	5.10	2.71	1.92	1.34	1.01				
5	0.70	0.55	1.16	2.07	3.73	6.00	9.17	5.09	2.60	1.99	1.34	1.01				
6	0.70	0.50	1.22	2.10	3.75	6.07	9.07	5.00	2.65	1.96	1.31	1.01				
7	0.70	0.55	1.20	2.13	3.04	6.16	8.60	4.91	2.62	1.96	1.31	0.90				
8	0.70	0.55	1.31	2.16	3.96	6.22	9.32	4.79	2.59	1.93	1.31	0.90				
9	0.70	0.55	1.37	2.19	4.00	6.49	8.11	4.69	2.56	1.90	1.20	0.94				
10	0.73	0.55	1.37	2.23	4.24	6.04	7.03	4.60	2.53	1.77	1.20	0.94				
11	0.73	0.50	1.43	2.29	4.42	7.44	7.62	4.40	2.50	1.74	1.25	0.91				
12	0.73	0.50	1.52	2.35	4.60	7.95	7.41	4.39	2.47	1.74	1.25	0.91				
13	0.73	0.61	1.50	2.38	4.75	8.29	7.16	4.30	2.44	1.71	1.22	0.91				
14	0.73	0.61	1.62	2.41	4.85	8.56	6.90	4.10	2.41	1.71	1.19	0.80				
15	0.73	0.64	1.65	2.47	4.90	8.72	6.86	4.00	2.30	1.60	1.19	0.80				
16	0.73	0.64	1.60	2.53	4.91	8.96	6.77	4.02	2.35	1.60	1.19	0.85				
17	0.73	0.67	1.74	2.56	4.91	9.33	6.60	3.90	2.32	1.60	1.19	0.85				
18	0.73	0.70	1.80	2.59	4.91	9.51	6.61	3.84	2.29	1.65	1.16	0.85				
19	0.73	0.73	1.83	2.62	4.97	9.75	6.52	3.75	2.29	1.62	1.16	0.82				
20	0.73	0.76	1.89	2.65	5.03	9.94	6.43	3.69	2.26	1.59	1.16	0.82				
21	0.73	0.79	1.92	2.71	5.06	10.18	6.34	3.60	2.23	1.59	1.13	0.82				
22	0.70	0.85	1.95	2.71	5.15	10.39	6.25	3.51	2.19	1.55	1.13	0.82				
23	0.70	0.85	1.95	2.74	5.21	10.50	6.16	3.41	2.16	1.55	1.13	0.82				
24			1.90	2.74	5.27	10.70	6.10	3.35	2.13	1.55	1.10	0.82				
25	0.67	0.80	1.90	2.74	5.39	10.79	6.00	3.26	2.13	1.52	1.10	0.82				
26	0.64	0.80	1.98	2.77	5.55	10.85	5.94	3.17	2.10	1.52	1.10	0.82				
27	0.64	0.91	2.01	2.77	5.52	10.82	5.85	3.11	2.07	1.49	1.07	0.79				
28	0.61	0.94	2.01	2.87	5.46	10.76	5.76	3.08	2.04	1.46	1.07	0.79				
29	0.61	0.94	2.01	2.93		10.87	5.70	3.02	2.01	1.43	1.07	0.79				
30	0.61	0.90	2.01	2.99		10.49	5.50	2.96	1.98	1.40	1.07	0.76				
31	0.50		2.01	3.29		10.33		2.90		1.37	1.07					
MEAN	0.69	0.70	1.63	2.49	4.60	8.56	7.29	4.00	2.39	1.60	1.20	0.89	3.01			
MAX	0.73	0.90	2.01	3.29	5.55	10.85	10.06	5.49	2.97	1.99	1.37	1.04	10.85			
MIN.	0.50	0.55	1.01	2.01	3.54	5.43	5.50	2.90	1.99	1.37	1.07	0.76	0.55			

*QM*		ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1985/86		[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	81.7	71.0	112.0	245.7	547.1	1086.2	3192.1	1105.6	399.9	240.9	154.6	115.3				
2	81.7	71.0	112.0	250.6	561.7	1127.2	3081.4	1076.0	393.7	236.2	154.6	115.3				
3	81.7	71.0	115.3	255.5	583.0	1200.9	2959.0	1045.9	391.6	231.4	154.6	112.0				
4	81.7	71.0	129.0	255.5	593.0	1244.1	2810.7	1006.3	369.6	231.4	150.9	112.0				
5	81.7	69.4	129.0	255.5	591.3	1200.0	2697.3	977.2	363.7	226.0	150.9	112.0				
6	81.7	71.0	136.7	260.5	590.0	1310.3	2539.4	940.5	357.0	222.1	147.1	112.0				
7	81.7	69.4	143.4	265.5	621.7	1344.0	2401.4	920.2	352.0	222.1	147.1	100.0				
8	81.7	69.4	147.1	270.5	652.9	1366.7	2267.2	893.1	346.2	217.6	147.1	100.0				
9	81.7	69.4	154.6	275.6	684.8	1471.3	2165.5	855.0	340.5	213.0	143.4	105.6				
10	84.6	69.4	154.6	280.8	725.7	1609.3	2030.2	828.9	334.9	208.6	143.4	105.6				
11	84.6	71.0	162.4	291.2	776.5	1861.1	1941.9	793.0	329.2	204.1	139.7	102.4				
12	84.6	71.0	174.4	301.0	828.9	2094.3	1847.0	767.9	323.7	204.1	139.7	102.4				
13	84.6	73.6	182.7	307.2	874.0	2252.6	1743.2	742.5	319.1	199.7	136.1	102.4				
14	84.6	73.6	186.9	312.6	901.5	2386.3	1666.8	709.2	312.6	199.7	132.5	99.3				
15	84.6	76.3	191.1	323.7	910.8	2462.3	1616.0	684.0	307.2	195.4	132.5	99.3				
16	84.6	76.3	195.4	334.9	920.2	2506.3	1579.0	660.7	301.0	195.4	132.5	96.3				
17	84.6	79.0	204.1	340.5	920.2	2778.0	1543.2	637.2	296.5	195.4	132.5	96.3				
18	84.6	81.7	213.0	346.2	920.2	2876.5	1519.0	621.7	291.2	191.1	129.0	96.3				
19	84.6	84.6	217.6	352.0	929.0	3010.4	1483.2	599.0	291.2	186.9	129.0	93.3				
20	84.6	87.4	226.8	357.8	950.0	3112.9	1447.7	583.0	286.0	182.7	129.0	93.3				
21	84.6	90.3	231.4	369.6	967.6	3252.1	1412.7	561.7	280.0	182.7	125.5	93.3				
22	81.7	96.3	236.2	369.6	986.6	3376.5	1378.1	539.9	275.6	179.5	125.5	93.3				
23	81.7	96.3	236.2	375.6	1016.2	3484.9	1344.0	518.6	270.5	179.5	125.5	93.3				
24	79.0	96.3	240.9	375.6	1035.9	3550.2	1321.4	504.7	265.5	179.5	122.0	93.3				
25	79.0	99.3	240.9	375.6	1076.0	3613.6	1290.0	484.1	265.5	174.4	122.0	93.3				
26	76.3	99.3	240.9	391.6	1127.2	3650.0	1266.0	463.9	260.5	174.4	122.0	93.3				
27	76.3	102.4	245.7	391.6	1116.9	3632.2	1233.2	450.7	255.5	170.4	119.7	90.3				
28	73.6	105.6	245.7	399.9	1096.4	3595.1	1200.9	444.2	250.6	166.4	119.7	90.3				
29	73.6	105.6	245.7	412.3		3539.0	1179.6	431.3	245.7	162.4	119.7	90.3				
30	73.6	109.0	245.7	424.9		3430.5	1137.6	418.6	240.9	159.5	119.7	87.4				
31	71.0		245.7	490.9		3340.7		406.0		154.6	119.7					
MEAN	81.2	82.4	191.7	330.3	940.5	2492.0	1842.5	699.4	310.3	196.3	134.2	100.2	605.9			
MAX	84.6	100.0	245.7	490.9	1127.2	3650.0	3192.1	1105.6	399.9	240.9	154.6	115.3	3650.0			
MIN.	71.0	69.4	112.0	245.7	547.1	1086.2	1137.6	406.0	240.9	154.6	119.7	87.4	69.4			

[Discharge Rating Curve]:  $Q=25.626*(H+1.005)^2$

[Flow Regime (m3/s)]:

Q(5day): 604.0      Q(105day): 245.7      Q(275day): 112.0      Q(355day): 71.0



<<< MASTER PROGRAM for DD-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1966/67		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.79	0.76	0.80	1.49	3.41	5.30	10.00	6.05	3.64	2.06	1.43	0.94				
2	0.79	0.76	0.80	1.49	3.47	5.50	10.13	6.04	3.55	2.03	1.40	0.94				
3	0.79	0.76	0.85	1.49	3.61	5.67	10.33	6.00	3.46	2.00	1.37	0.94				
4	0.79	0.76	0.80	1.52	3.72	5.82	10.47	6.17	3.37	1.98	1.37	0.94				
5	0.76	0.76	0.87	1.52	3.79	6.00	10.64	6.07	3.31	1.95	1.34	0.91				
6	0.73	0.76	0.85	1.55	3.92	6.26	10.64	6.02	3.22	1.94	1.34	0.91				
7	0.73	0.79	0.84	1.57	4.53	6.45	10.67	5.91	3.15	1.91	1.31	0.91				
8	0.73	0.79	0.82	1.50	5.00	6.90	10.67	5.76	3.06	1.89	1.31	0.88				
9	0.70	0.79	0.82	1.50	5.17	7.33	10.61	5.53	3.00	1.86	1.30	0.88				
10	0.70	0.79	0.82	1.62	5.29	7.57	10.52	5.61	2.94	1.84	1.26	0.87				
11	0.67	0.79	0.82	1.66	5.30	7.79	10.24	5.53	2.89	1.81	1.25	0.85				
12	0.67	0.79	0.85	1.74	5.46	8.15	10.12	5.44	2.82	1.80	1.25	0.85				
13	0.67	0.79	0.87	1.79	5.41	8.20	10.01	5.35	2.76	1.78	1.22	0.82				
14	0.67	0.79	0.88	1.86	5.35	8.35	9.74	5.29	2.58	1.75	1.22	0.82				
15	0.67	0.81	0.88	1.97	5.23	8.40	9.30	5.21	2.64	1.74	1.19	0.81				
16	0.67	0.82	0.91	2.03	5.17	8.44	8.95	5.12	2.60	1.69	1.19	0.79				
17	0.67	0.82	0.93	2.09	5.11	8.44	8.56	5.07	2.55	1.68	1.16	0.79				
18	0.67	0.85	0.96	2.18	5.09	8.47	8.24	4.97	2.46	1.68	1.14	0.79				
19	0.67	0.87	1.01	2.24	5.09	8.44	7.97	4.89	2.45	1.65	1.13	0.76				
20	0.67	0.91	1.05	2.26	5.11	8.47	7.56	4.83	2.41	1.63	1.13	0.76				
21	0.67	0.93	1.07	2.30	5.12	8.52	7.16	4.72	2.38	1.62	1.11	0.73				
22	0.67	0.94	1.11	2.38	5.14	8.50	6.80	4.62	2.35	1.59	1.10	0.73				
23	0.69	0.94	1.13	2.47	5.01	8.67	6.60	4.47	2.30	1.55	1.07	0.73				
24	0.70	0.91	1.19	2.50	5.15	8.76	6.55	4.37	2.27	1.55	1.07	0.70				
25	0.70	0.91	1.23	2.55	5.12	8.87	6.43	4.27	2.23	1.52	1.04	0.70				
26	0.73	0.88	1.26	2.61	5.12	8.99	6.29	4.18	2.19	1.49	1.04	0.70				
27	0.73	0.88	1.31	2.71	5.15	9.14	6.22	4.07	2.16	1.49	1.01	0.70				
28	0.73	0.88	1.37	2.93	5.20	9.36	6.17	3.96	2.13	1.48	1.01	0.70				
29	0.75	0.87	1.40	3.17		9.48	6.11	3.89	2.10	1.46	1.01	0.67				
30	0.76	0.85	1.43	3.31		9.71	6.07	3.79	2.09	1.45	1.01	0.67				
31	0.76		1.46	3.38		9.85		3.70		1.43	0.99					
MEAN	0.71	0.83	1.02	2.11	4.83	7.94	8.66	5.06	2.70	1.72	1.18	0.91	3.12			
M	0.79	0.84	1.46	3.38	5.46	9.85	10.67	6.17	3.64	2.06	1.43	0.94	10.67			
MIN.	0.67	0.76	0.82	1.49	3.41	5.30	6.07	3.70	2.09	1.43	0.99	0.67	0.67			

*QM* ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1966/67		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	90.3	87.4	99.3	170.4	518.6	1045.9	3147.4	1304.7	572.7	253.0	162.4	105.6				
2	90.3	87.4	99.3	170.4	532.0	1111.0	3225.0	1299.1	550.7	248.2	158.5	105.6				
3	90.3	87.4	96.3	170.4	565.3	1169.1	3340.7	1315.8	529.2	243.3	154.6	105.6				
4	90.3	87.4	99.3	174.4	591.3	1222.4	3421.5	1349.6	508.2	240.9	154.6	105.6				
5	87.4	87.4	97.0	174.4	610.2	1288.0	3521.5	1310.3	494.3	236.2	150.0	102.4				
6	84.6	87.4	96.3	178.5	641.1	1383.9	3521.5	1293.5	474.0	233.0	150.9	102.4				
7	84.6	90.3	94.0	180.6	686.9	1453.6	3539.0	1255.0	460.6	229.1	147.1	102.4				
8	84.6	90.3	93.3	182.7	748.5	1635.4	3539.0	1200.9	441.0	226.8	147.1	99.3				
9	81.7	90.3	93.3	182.7	1001.5	1814.0	3503.2	1122.1	420.1	222.1	145.2	99.3				
10	81.7	90.3	93.3	186.9	1040.9	1921.5	3448.6	1140.1	415.4	219.9	141.5	97.0				
11	79.0	90.3	93.3	193.3	1071.0	2017.4	3287.4	1122.1	402.9	215.3	139.7	96.3				
12	79.0	90.3	96.3	204.1	1096.4	2187.1	3217.0	1091.3	390.7	213.0	139.7	96.3				
13	79.0	90.3	97.0	210.0	1091.1	2245.2	3156.1	1060.9	378.5	210.0	136.1	93.3				
14	79.0	90.3	99.3	222.1	1060.9	2281.9	3082.0	1040.9	343.4	206.3	136.1	93.3				
15	79.0	91.0	99.3	238.5	1021.1	2304.1	2781.0	1016.2	354.9	204.1	132.5	91.0				
16	79.0	93.3	102.4	248.2	1001.5	2326.4	2578.5	986.9	348.0	197.6	132.5	90.3				
17	79.0	93.3	104.0	259.0	982.0	2326.4	2386.3	972.4	337.7	195.4	129.0	90.3				
18	79.0	96.3	107.2	273.1	977.2	2341.3	2230.6	939.0	322.5	195.4	127.2	90.3				
19	79.0	97.0	112.0	283.4	977.2	2326.4	2101.4	910.0	320.9	191.1	125.5	87.4				
20	79.0	102.4	117.0	286.0	982.0	2341.3	1914.8	896.9	312.6	189.0	125.5	87.4				
21	79.0	104.0	118.7	293.8	986.9	2363.7	1743.2	864.9	307.2	186.9	123.8	84.6				
22	79.0	105.6	123.8	307.2	991.7	2393.8	1592.1	833.4	301.0	182.7	122.0	84.6				
23	80.4	105.6	125.5	323.7	953.2	2439.4	1543.2	789.4	293.8	178.5	118.7	84.6				
24	81.7	102.4	132.5	329.2	996.6	2405.3	1495.1	763.6	288.6	178.5	118.7	81.7				
25	81.7	102.4	137.9	337.7	986.9	2539.4	1447.7	734.1	280.8	174.4	115.3	81.7				
26	84.6	99.3	141.5	349.1	986.9	2602.0	1389.6	708.2	275.6	170.4	115.3	81.7				
27	84.6	99.3	147.1	369.6	996.6	2681.3	1366.7	680.7	270.5	170.4	112.0	81.7				
28	84.6	99.3	154.6	412.3	1011.2	2794.3	1349.6	652.9	265.5	168.4	112.0	81.7				
29	86.0	97.0	158.5	463.9		2860.0	1327.1	633.3	260.5	166.4	112.0	79.0				
30	87.4	96.3	162.4	494.3		2985.1	1310.3	610.2	258.0	164.4	112.0	79.0				
31	87.4		166.4	511.6		3061.4		587.6		162.4	108.0					
MEAN	83.0	84.5	114.9	270.4	907.8	2127.4	2513.7	993.7	373.0	202.4	132.5	92.1	654.7			
M	90.3	105.6	166.4	511.6	1096.4	3061.4	3539.0	1349.6	572.7	253.0	162.4	105.6	3539.0			
MIN.	79.0	87.4	93.3	170.4	518.6	1045.9	1310.3	887.6	258.0	162.4	108.0	79.0	79.0			

[Discharge Rating Curve]: Q=25.626\*(H+1.005)^2

[Flow Regime (m3/s)]:

Q(5day): 977.2      Q(105day): 204.1      Q(275day): 99.3      Q(355day): 79.0

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1967/68		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	0.67	0.61	1.40	8.75	11.73	9.54	11.09	8.65	3.76	2.53	1.91	1.38					
2	0.64	0.64	1.51	9.31	11.70	9.33	10.90	6.66	3.70	2.53	1.95	1.35					
3	0.64	0.65	1.50	9.98	11.66	9.16	10.71	6.51	3.64	2.43	1.85	1.34					
4	0.64	0.73	1.72	9.95	11.63	9.02	10.49	6.42	3.58	2.45	1.84	1.34					
5	0.64	0.79	1.75	10.15	11.57	8.96	10.26	6.31	3.52	2.44	1.82	1.32					
6	0.64	0.83	1.81	10.21	11.51	8.92	11.52	6.22	3.48	2.41	1.81	1.30					
7	0.67	0.88	1.92	10.21	11.43	8.92	9.71	6.10	3.40	2.38	1.79	1.29					
8	0.67	0.90	2.06	10.17	11.37	8.98	9.40	5.97	3.35	2.35	1.76	1.27					
9	0.53	0.91	2.19	9.77	11.31	9.10	9.10	5.85	3.31	2.33	1.75	1.26					
10	0.58	0.91	2.32	9.95	11.23	9.28	8.81	5.76	3.25	2.30	1.74	1.25					
11	0.61	0.90	2.41	9.78	11.14	9.45	8.53	5.65	3.22	2.29	1.72	1.25					
12	0.58	0.94	2.53	9.59	11.08	9.85	8.26	5.56	3.15	2.27	1.70	1.24					
13	0.58	0.98	2.65	9.43	11.03	10.20	8.02	5.46	3.12	2.24	1.69	1.23					
14	0.58	0.98	2.79	9.34	11.00	10.50	7.79	5.36	3.08	2.23	1.69	1.23					
15	0.58	1.01	2.95	9.30	11.05	10.79	7.57	5.27	3.03	2.23	1.67	1.23					
16	0.58	1.01	3.31	9.36	11.11	11.08	7.36	5.18	2.97	2.19	1.64	1.23					
17	0.58	1.04	3.34	9.48	11.16	11.37	6.43	5.07	2.96	2.16	1.62	1.22					
18	0.58	1.04	3.54	9.68	11.16	11.58	7.42	4.98	2.93	2.15	1.61	1.22					
19	0.58	1.07	3.73	9.97	11.14	11.37	7.45	4.88	2.90	2.13	1.58	1.22					
20	0.58	1.07	3.92	10.26	11.08	11.08	7.39	4.79	2.87	2.10	1.58	1.22					
21	0.55	1.07	4.10	10.58	11.02	11.15	7.28	4.68	2.82	2.10	1.55	1.22					
22	0.55	1.07	4.34	10.87	10.96	11.16	7.16	4.59	2.80	2.07	1.52	1.21					
23	0.58	1.10	4.56	11.13	10.84	11.16	7.07	4.51	2.76	2.04	1.51	1.19					
24	0.58	1.11	4.89	11.32	10.70	11.14	6.96	4.36	2.73	2.03	1.50	1.17					
25	0.58	1.13	5.29	11.45	10.56	11.09	6.87	4.33	2.70	2.01	1.49	1.16					
26	0.58	1.17	5.70	11.57	10.39	11.05	6.81	4.24	2.69	2.00	1.47	1.14					
27	0.58	1.22	6.02	11.66	10.20	11.35	6.80	4.16	2.64	1.99	1.46	1.12					
28	0.58	1.25	6.36	11.69	9.97	11.66	6.78	4.07	2.62	1.97	1.44	1.10					
29	0.61	1.33	6.83	11.73	9.75	11.54	6.77	3.98	2.59	1.95	1.42	1.08					
30	0.61	1.39	7.45	12.04		11.40	6.72	3.90	2.56	1.92	1.40	1.05					
31	0.61		8.12	12.34		11.26		3.83		1.92	1.40						
MEAN	0.60	0.99	3.65	10.36	11.05	10.40	8.25	5.20	3.07	2.20	1.64	1.23	4.87				
MAX.	0.67	1.39	8.12	12.34	11.73	11.66	11.52	6.66	3.75	2.53	1.91	1.33	12.34				
MIN.	0.55	0.61	1.48	8.75	9.75	8.92	6.43	3.83	2.56	1.92	1.40	1.05	0.55				

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1967/68		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	79.0	73.6	158.4	2477.6	4211.6	2893.1	3801.5	1537.1	602.6	334.9	229.1	155.8					
2	76.3	76.3	172.4	2769.9	4191.6	2778.0	3678.8	1513.0	587.6	334.9	222.1	152.0					
3	76.3	77.6	182.7	3138.7	4161.6	2689.3	3567.4	1477.2	572.7	326.4	221.2	150.8					
4	76.3	84.6	201.9	3121.5	4141.8	2617.8	3430.5	1441.9	558.0	320.9	218.9	150.1					
5	76.3	90.3	206.3	3234.6	4102.1	2586.3	3296.3	1401.1	543.5	318.1	216.7	149.2					
6	76.3	99.3	215.3	3269.8	4052.7	2562.8	4072.5	1366.7	529.2	312.6	214.4	148.3					
7	79.0	99.3	231.4	3269.8	4013.7	2562.8	2985.1	1321.4	515.1	307.2	212.1	144.5					
8	79.0	100.9	253.0	3243.3	3974.7	2594.1	2818.9	1277.0	504.7	301.9	207.7	142.6					
9	71.0	102.4	275.6	3018.9	3935.9	2657.4	2657.4	1233.2	494.3	299.2	205.5	141.5					
10	71.0	102.4	296.5	3121.5	3887.6	2753.7	2508.4	1200.9	484.1	292.8	204.1	139.7					
11	73.6	100.9	312.6	3027.4	3830.1	2843.5	2371.2	1163.8	474.0	291.2	201.1	139.7					
12	71.0	105.6	334.9	2918.0	3792.0	3061.4	2237.9	1132.4	460.6	288.6	198.9	139.0					
13	71.0	108.8	357.8	2835.3	3763.5	3250.9	2122.7	1096.4	454.0	283.4	195.4	137.9					
14	71.0	108.8	384.6	2786.2	3744.6	3439.5	2017.4	1065.9	444.2	280.8	195.7	137.9					
15	71.0	112.0	418.6	2761.8	3773.0	3613.6	1921.5	1035.9	434.5	280.8	194.5	137.9					
16	71.0	112.0	494.3	2794.3	3811.0	3792.0	1828.0	1006.3	421.7	275.6	190.3	137.9					
17	71.0	115.3	501.2	2860.0	3839.7	3974.7	1447.7	972.4	418.6	270.5	189.9	136.1					
18	71.0	115.3	547.1	2968.2	3839.7	4112.0	1854.5	943.7	412.3	268.0	186.0	136.1					
19	71.0	118.7	595.1	3136.1	3830.1	3974.7	1867.8	910.8	406.0	265.5	182.7	136.1					
20	71.0	118.7	641.1	3296.3	3792.0	3792.0	1841.2	883.1	399.9	260.5	181.8	136.1					
21	68.4	118.7	688.8	3484.9	3754.1	3835.8	1795.2	851.3	390.7	260.5	177.7	136.1					
22	68.4	118.7	755.1	3660.1	3716.4	3839.7	1743.2	824.5	387.6	255.5	174.4	135.3					
23	71.0	122.0	815.7	3820.6	3641.5	3839.7	1704.8	802.5	378.5	250.6	172.4	132.5					
24	71.0	123.8	915.5	3945.5	3553.2	3830.1	1660.5	759.4	372.6	248.2	171.6	130.7					
25	71.0	125.5	1040.9	4033.3	3475.8	3801.5	1623.0	750.9	366.6	245.7	169.6	129.0					
26	71.0	130.7	1179.6	4102.1	3376.5	3773.0	1598.2	725.7	363.7	243.3	167.6	126.5					
27	71.0	136.1	1293.6	4161.6	3260.9	3965.0	1592.1	705.1	354.9	240.9	166.4	124.8					
28	71.0	141.5	1418.5	4181.6	3130.1	4161.6	1585.9	680.7	352.0	238.5	163.6	122.0					
29	73.6	148.9	1604.4	4211.6	3010.4	4082.4	1579.8	656.8	346.2	236.2	160.5	119.7					
30	73.6	156.6	1867.8	4414.2		3994.2	1561.4	637.2	340.5	231.4	158.5	117.0					
31	73.6		2172.7	4621.6		3906.9		617.0		231.4	157.7						
MEAN	72.7	110.0	569.1	3298.1	3780.1	3406.1	2292.4	1032.0	445.7	277.3	190.5	137.3	1308.2				
MAX.	79.0	148.9	1604.4	4211.6	4211.6	4161.6	4072.5	1537.1	602.6	334.9	229.1	155.8	4211.6				
MIN.	68.4	73.6	168.4	2477.6	3010.4	2562.8	1447.7	617.0	340.5	231.4	157.7	117.0	68.4				

[Discharge Rating Curve]: Q=25.626\*(H+1.085)^2

[Flow Regime (m3/s)]:

Q(95day): 2617.8      Q(185day): 418.6      Q(275day): 157.7      Q(355day): 71.0

<<< MASTER PROGRAM for DB-05(Normal Year);Daily River W/L & Discharge >>>

*HM*		ST.: 1-150 ZAMBEZI PUMP HOUSE											YEAR : 1968/69		[WATER LEVEL. (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	1.05	0.82	1.66	3.36	5.26	11.70	12.92	6.88	3.79	2.62	1.98	1.49				
2	1.01	0.82	1.69	3.47	5.66	11.77	12.81	6.69	3.74	2.60	1.96	1.48				
3	0.99	0.82	1.74	3.55	6.14	11.70	12.71	6.52	3.68	2.58	1.95	1.46				
4	0.99	0.81	1.75	3.66	6.79	11.63	12.65	6.38	3.62	2.55	1.93	1.44				
5	0.98	0.79	1.81	3.79	7.34	11.56	12.47	6.24	3.58	2.52	1.91	1.43				
6	0.94	0.79	1.87	3.91	7.85	11.51	12.31	6.10	3.53	2.50	1.90	1.41				
7	0.94	0.79	1.95	4.02	8.33	11.45	12.17	5.97	3.47	2.47	1.88	1.39				
8	0.92	0.79	2.03	4.18	8.74	11.37	12.01	5.85	3.41	2.45	1.87	1.38				
9	0.92	0.79	2.12	4.08	9.05	11.30	11.81	5.76	3.35	2.43	1.85	1.37				
10	0.91	0.80	2.18	4.54	9.34	11.23	11.66	5.66	3.32	2.41	1.83	1.36				
11	0.90	0.83	2.41	4.65	9.65	11.19	11.52	5.56	3.28	2.39	1.81	1.34				
12	0.91	0.87	2.35	4.75	9.91	11.13	11.38	5.46	3.22	2.37	1.80	1.33				
13	0.94	0.91	2.45	4.82	10.17	11.07	11.22	5.36	3.20	2.35	1.78	1.31				
14	0.92	0.96	2.55	4.88	10.41	11.05	11.05	5.27	3.15	2.33	1.77	1.30				
15	0.91	1.01	2.61	4.91	10.61	11.03	10.89	5.18	3.12	2.31	1.76	1.29				
16	0.90	1.05	2.64	4.86	10.75	11.02	10.71	5.09	3.09	2.29	1.74	1.28				
17	0.88	1.07	2.68	4.81	10.90	11.08	10.56	5.00	3.04	2.27	1.73	1.27				
18	0.88	1.09	2.71	4.75	11.03	11.16	10.38	4.92	3.01	2.25	1.71	1.26				
19	0.88	1.12	2.74	4.69	11.17	11.27	10.18	4.82	2.98	2.23	1.70	1.24				
20	0.85	1.15	2.74	4.65	11.30	11.41	9.94	4.74	2.94	2.21	1.68	1.23				
21	0.85	1.18	2.76	4.60	11.48	11.55	9.63	4.63	2.91	2.19	1.66	1.21				
22	0.85	1.19	2.77	4.56	11.61	11.75	9.39	4.57	2.89	2.17	1.65	1.20				
23	0.85	1.21	2.77	4.52	11.72	11.96	9.07	4.48	2.85	2.15	1.64	1.19				
24	0.85	1.26	2.77	4.47	11.85	12.20	8.76	4.38	2.81	2.13	1.62	1.17				
25	0.84	1.34	2.80	4.50	11.93	12.31	8.44	4.31	2.79	2.11	1.60	1.16				
26	0.82	1.38	2.87	4.56	12.00	12.69	8.09	4.22	2.76	2.09	1.58	1.15				
27	0.82	1.44	2.94	4.61	11.93	12.86	7.81	4.13	2.73	2.07	1.56	1.14				
28	0.82	1.52	3.02	4.66	11.91	12.97	7.54	4.07	2.71	2.05	1.55	1.14				
29	0.81	1.56	3.14	4.66		13.01	7.30	3.99	2.68	2.04	1.54	1.14				
30	0.81	1.61	3.21	4.80		13.03	7.07	3.92	2.66	2.01	1.52	1.14				
31	0.81		3.23	5.00		12.99		3.86		2.00	1.50					
MEAN	0.90	1.06	2.48	4.43	9.81	11.74	10.48	5.13	3.14	2.30	1.74	1.29	4.50			
MAX.	1.05	1.61	3.23	5.00	12.00	13.03	12.92	6.88	3.79	2.62	1.98	1.49	13.03			
MIN.	0.81	0.79	1.66	3.36	5.26	11.02	7.07	3.73	2.66	2.00	1.50	1.14	0.79			

*QM*		ST.: 1-150 ZAMBEZI PUMP HOUSE											YEAR : 1968/69		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	116.3	93.3	193.3	506.8	1031.0	4188.7	5028.8	1626.7	610.2	352.0	240.4	169.6				
2	113.0	93.3	197.6	532.8	1167.0	4231.6	4948.2	1549.3	597.3	348.0	237.6	168.0				
3	110.4	92.7	204.1	550.7	1336.1	4191.6	4876.8	1483.2	582.3	344.0	237.7	165.6				
4	110.4	91.8	206.3	576.4	1589.6	4141.8	4833.8	1427.8	567.5	338.3	232.9	164.0				
5	109.8	90.3	214.4	610.2	1818.8	4098.2	4705.9	1375.8	556.6	333.7	230.5	162.0				
6	105.3	90.3	224.5	639.5	2045.2	4062.7	4600.7	1321.4	545.7	329.8	227.7	159.3				
7	105.6	90.3	236.2	668.7	2271.6	4023.5	4502.8	1277.0	532.8	324.8	225.4	157.3				
8	103.4	90.3	248.2	711.7	2474.5	3974.7	4393.7	1231.1	517.9	320.9	223.1	155.8				
9	103.4	90.3	263.0	684.8	2630.4	3932.0	4261.8	1200.9	503.3	317.0	220.8	154.3				
10	102.4	91.2	273.1	811.3	2782.9	3883.8	4161.6	1167.0	496.4	313.7	217.6	152.7				
11	100.9	94.2	312.6	842.3	2951.5	3858.8	4072.5	1130.4	487.5	309.4	215.3	151.2				
12	102.4	97.8	301.8	873.0	3095.7	3820.6	3980.5	1096.4	476.0	305.6	213.5	148.9				
13	105.0	102.4	320.9	892.3	3248.6	3788.2	3878.0	1065.9	469.9	302.9	210.3	147.4				
14	103.4	107.2	337.7	910.8	3385.5	3773.0	3773.0	1035.9	460.6	298.6	208.6	145.6				
15	101.8	112.0	349.1	920.2	3503.2	3763.5	3675.1	1006.3	452.7	294.9	206.8	144.5				
16	100.9	116.3	364.9	906.2	3591.4	3754.1	3567.4	977.2	446.8	291.7	204.1	143.4				
17	99.3	118.7	363.7	890.5	3678.8	3792.0	3475.8	948.5	436.4	288.1	202.4	141.9				
18	99.3	121.4	369.6	872.1	3759.8	3839.7	3367.5	923.0	430.7	284.9	200.6	140.4				
19	98.7	124.8	375.6	854.0	3849.2	3912.7	3252.1	895.1	423.6	281.8	198.4	139.0				
20	96.3	128.3	375.6	842.3	3932.0	4003.9	3112.9	869.4	415.4	278.2	196.3	137.1				
21	96.3	131.8	378.5	827.2	4048.9	4088.3	2939.7	841.1	409.8	274.1	193.7	135.3				
22	96.3	132.5	381.6	815.7	4131.8	4221.6	2810.7	818.3	404.8	271.0	192.0	133.9				
23	96.3	135.3	381.6	805.1	4201.6	4363.1	2641.5	793.8	396.2	268.0	190.3	132.1				
24	96.3	140.8	381.6	789.4	4288.0	4523.5	2482.2	766.2	389.4	265.5	188.1	130.7				
25	94.8	150.1	386.4	798.1	4338.7	4600.7	2326.4	746.7	385.2	261.5	184.8	129.3				
26	93.3	155.8	399.9	815.7	4389.6	4866.0	2158.4	719.9	378.5	259.0	181.4	127.6				
27	93.3	163.6	415.4	831.6	4338.7	4985.1	2028.5	696.9	373.2	255.5	179.4	126.5				
28	93.3	173.6	431.3	845.0	4328.5	5061.7	1905.3	680.7	368.4	251.6	178.5	126.5				
29	91.8	179.8	457.3	845.0		5094.7	1801.7	659.2	363.1	249.6	176.5	126.5				
30	91.8	186.0	472.6	887.7		5105.7	1704.8	641.1	359.6	246.2	173.6	126.5				
31	91.8		477.3	948.5		5079.3		627.9		243.3	171.6					
MEAN	100.7	119.5	331.8	784.0	3150.3	4226.6	3508.9	1011.4	461.3	293.7	205.1	144.8	1180.3			
MAX.	116.3	186.0	477.3	948.5	4389.6	5105.7	5028.8	1626.7	610.2	352.0	240.4	169.6	5105.7			
MIN.	91.8	90.3	193.3	506.8	1031.0	3754.1	1704.8	595.1	359.6	243.3	171.6	126.5	90.3			

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$   
 [ Flow Regime (m3/s) ]:  
 Q(95day): 1231.1      Q(185day): 381.6      Q(275day): 173.6      Q(355day): 92.7

<< MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>>

*TIM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1969/70	[WATER LEVEL (m)]
N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.14	1.45	2.07	4.36	0.70	11.44	0.22	4.74	2.00	2.10	1.63	1.23		
2	1.14	1.45	2.07	4.36	0.70	11.44	0.22	4.74	2.00	2.10	1.63	1.23		
3	1.12	1.46	2.12	4.26	0.22	11.55	7.73	4.85	2.04	2.06	1.61	1.21		
4	1.12	1.47	2.17	4.20	9.39	11.50	7.50	4.61	2.00	2.05	1.59	1.19		
5	1.12	1.47	2.22	4.52	9.56	11.61	7.20	4.54	2.75	2.02	1.50	1.21		
6	1.14	1.45	2.31	4.61	9.74	11.59	7.05	4.49	2.72	2.01	1.56	1.17		
7	1.16	1.50	2.37	4.62	9.94	11.54	7.15	4.42	2.69	1.99	1.55	1.14		
8	1.17	1.59	2.44	4.64	10.15	11.49	6.69	4.36	2.67	1.90	1.53	1.12		
9	1.10	1.60	2.54	4.71	10.31	11.41	6.53	4.29	2.63	1.96	1.53	1.11		
10	1.19	1.61	2.65	4.01	10.45	11.32	6.30	4.52	2.60	1.94	1.51	1.10		
11	1.21	1.63	2.73	4.89	10.56	11.22	6.22	4.46	2.56	1.93	1.50	1.10		
12	1.21	1.64	2.81	4.97	10.69	11.10	6.09	4.09	2.53	1.91	1.40	1.09		
13	1.22	1.66	2.89	5.06	10.77	11.25	5.97	4.02	2.50	1.90	1.47	1.00		
14	1.23	1.70	2.94	5.15	10.86	10.05	5.83	3.94	2.47	1.89	1.46	1.06		
15	1.23	1.73	3.05	5.25	10.99	10.71	5.73	3.90	2.45	1.87	1.44	1.05		
16	1.24	1.75	3.17	5.35	10.92	10.61	5.62	3.81	2.43	1.85	1.44	1.04		
17	1.24	1.70	3.25	5.43	10.94	10.51	5.54	3.74	2.40	1.84	1.42	0.95		
18	1.23	1.79	3.30	5.57	10.95	10.39	5.45	3.66	2.30	1.83	1.40	0.99		
19	1.23	1.80	3.39	5.72	10.93	10.31	5.35	3.61	2.35	1.80	1.30	0.90		
20	1.24	1.82	3.49	6.29	10.89	10.22	5.29	3.55	2.33	1.79	1.30	0.96		
21	1.27	1.85	3.57	6.61	10.85	10.12	5.21	3.49	2.30	1.79	1.30	0.94		
22	1.30	1.89	3.61	6.80	10.82	10.01	5.14	3.42	2.20	1.76	1.37	0.94		
23	1.31	1.91	3.64	6.95	10.81	9.91	5.07	3.36	2.26	1.75	1.35	0.93		
24	1.33	1.92	3.60	7.00	10.89	9.77	5.01	3.31	2.24	1.74	1.33	0.93		
25	1.37	1.94	3.99	7.21	10.90	9.62	4.95	3.25	2.22	1.73	1.31	0.91		
26	1.37	1.97	4.39	7.36	11.09	9.44	4.90	3.19	2.19	1.72	1.30	0.99		
27	1.38	1.99	4.40	7.55	11.20	9.26	4.87	3.13	2.10	1.70	1.29	0.99		
28	1.40	2.00	4.31	7.72	11.32	9.06	4.82	3.00	2.15	1.69	1.27	0.90		
29	1.42	2.02	4.33	7.93	11.44	8.86	4.77	3.04	2.14	1.67	1.27	0.90		
30	1.43	2.05	4.39	8.13	11.56	8.66	4.79	2.99	2.12	1.66	1.26	0.90		
31	1.44	2.05	4.40	8.39	11.68	8.43	4.77	2.94	2.12	1.64	1.25	0.90		
MEAN	1.25	1.73	3.10	5.02	10.46	10.49	5.97	3.05	2.46	1.96	1.43	1.04	4.09	
M	1.44	2.05	4.40	8.39	11.32	11.61	0.22	4.74	2.00	2.10	1.63	1.23	11.61	
MIN.	1.12	1.45	2.07	4.26	0.70	0.43	4.77	2.94	2.12	1.64	1.25	0.90	0.90	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1969/70	[DISCHARGE (m <sup>3</sup> /sec)]
N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	126.5	164.4	255.5	759.4	2453.1	4017.6	2219.0	869.4	403.6	259.5	109.0	137.5		
2	126.2	165.2	259.5	743.3	2592.6	4062.7	2115.5	859.4	399.2	255.5	107.3	136.1		
3	125.1	166.0	263.5	733.2	2723.0	4094.2	1992.5	842.3	394.3	253.5	105.6	134.6		
4	124.4	167.6	271.0	711.0	2810.7	4119.9	1887.0	830.7	385.0	251.6	103.9	132.5		
5	124.4	167.6	279.7	604.2	2906.4	4129.9	1791.2	812.1	376.2	247.7	101.4	130.6		
6	127.2	171.2	295.4	630.7	3003.7	4116.0	1694.6	797.3	370.2	244.8	100.0	130.0		
7	129.3	181.4	305.1	625.2	3114.6	4086.3	1738.1	777.3	365.5	241.9	100.1	127.2		
8	130.4	183.9	319.2	640.5	3232.9	4050.9	1540.0	750.2	360.0	240.0	100.0	124.4		
9	131.9	184.0	326.0	661.2	3330.0	3999.1	1489.2	741.6	353.2	237.1	100.0	122.9		
10	133.2	186.5	357.8	689.5	3410.6	3941.7	1426.7	705.1	348.5	234.3	100.0	122.4		
11	134.6	189.0	372.6	915.5	3477.6	3970.0	1367.0	708.6	340.5	232.4	100.0	122.4		
12	134.6	190.3	389.4	939.0	3550.0	3903.4	1319.2	686.4	334.9	229.6	100.0	121.0		
13	136.1	193.3	402.3	967.6	3604.3	3897.2	1275.9	667.1	329.2	227.7	100.0	121.7		
14	137.5	199.3	416.1	996.6	3654.5	3650.0	1224.6	640.1	323.7	225.0	100.0	119.3		
15	137.5	202.4	437.7	1029.0	3673.2	3567.4	1189.2	631.7	320.3	224.0	100.0	117.0		
16	138.2	205.5	464.6	1059.9	3695.7	3503.2	1152.2	614.0	315.9	221.2	100.0	115.6		
17	139.0	209.9	481.4	1085.2	3703.2	3443.2	1126.2	597.3	311.6	219.4	100.0	116.5		
18	137.5	211.7	493.6	1135.5	3714.5	3376.5	1094.3	576.4	307.2	217.6	100.0	110.4		
19	137.5	213.9	513.7	1107.1	3699.5	3330.0	1061.9	563.9	301.0	213.9	100.0	109.9		
20	130.2	218.7	535.6	1395.4	3673.2	3273.3	1040.9	550.7	298.6	212.1	100.0	107.2		
21	142.6	221.2	554.4	1519.0	3650.0	3215.3	1016.2	537.1	294.4	210.3	100.0	105.6		
22	146.3	226.0	565.3	1594.5	3630.3	3156.1	992.7	520.0	290.2	208.1	100.0	105.6		
23	147.1	230.0	571.2	1653.0	3622.9	3095.7	972.4	505.4	286.0	206.3	100.0	104.0		
24	149.3	231.9	580.0	1707.3	3673.2	3017.2	951.3	494.3	282.0	204.6	100.0	104.0		
25	153.9	234.3	660.0	1765.2	3731.4	2934.7	933.3	481.4	279.7	202.0	100.0	102.4		
26	154.6	238.5	760.0	1829.3	3799.6	2830.6	917.4	469.3	275.6	201.1	100.0	100.3		
27	156.2	241.4	770.5	1909.4	3866.5	2740.0	909.0	455.3	272.6	199.3	100.0	99.3		
28	158.5	243.8	746.7	1987.0	3941.7	2635.2	892.3	444.9	269.5	197.6	100.0	99.3		
29	160.5	247.7	750.1	2003.0	3941.7	2534.0	878.5	435.2	266.5	195.0	100.0	99.3		
30	162.4	251.6	767.1	2175.6	3941.7	2433.3	864.9	424.9	262.5	193.3	100.0	99.3		
31	164.0	251.6	772.2	2301.1	3941.7	2321.9	851.0	414.0	262.5	190.7	100.0	99.3		
MEAN	140.1	204.6	482.5	1266.0	3426.4	3460.1	1203.2	632.4	324.0	222.5	102.9	115.6	963.7	
M	164.0	251.6	772.2	2301.1	3941.7	4129.9	2219.0	869.4	403.6	259.5	109.0	137.5	4129.9	
MIN.	124.4	164.4	255.5	733.2	2453.1	2321.9	070.5	414.0	262.5	190.7	100.0	99.3	99.3	

[Discharge Rating Curve]:  $Q=25.626*(H+1.005)^2$

[Flow Regime (m<sup>3</sup>/s)]:

Q(5day): 1040.9      Q(105day): 336.0      Q(275day): 175.7      Q(355day): 106.5

<<< MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>>

*MNY*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1970/71												[WATER LEVEL (m)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1	0.00	0.91	1.55	2.01	6.42	9.36	6.36	5.21	3.16	2.19	1.50	1.17	1.17																							
2	0.00	0.90	1.61	2.94	6.47	9.34	6.25	5.19	3.11	2.16	1.57	1.16	1.16																							
3	0.00	0.80	1.67	2.99	6.53	9.33	6.16	5.15	3.06	2.14	1.56	1.16	1.16																							
4	0.00	0.80	1.74	3.03	6.62	9.33	6.07	5.13	3.01	2.11	1.55	1.13	1.13																							
5	0.00	0.87	1.77	3.00	6.74	9.35	5.99	5.09	2.95	2.10	1.53	1.12	1.12																							
6	0.00	0.86	1.80	3.16	6.87	9.41	5.90	5.04	2.90	2.00	1.51	1.11	1.11																							
7	0.00	0.85	1.85	3.22	7.01	9.45	5.82	5.00	2.86	2.05	1.50	1.11	1.11																							
8	0.00	0.87	1.91	3.29	7.16	9.50	5.74	4.95	2.85	2.03	1.48	1.09	1.09																							
9	0.00	0.89	1.95	3.36	7.37	9.53	5.66	4.90	2.80	2.01	1.48	1.08	1.08																							
10	0.00	0.91	2.00	3.44	7.60	9.52	5.62	4.85	2.76	1.99	1.45	1.14	1.14																							
11	0.91	0.95	2.02	3.54	7.82	9.42	5.58	4.78	2.73	1.97	1.44	1.14	1.14																							
12	0.91	0.97	2.04	3.63	7.99	9.32	5.57	4.71	2.51	1.94	1.43	1.12	1.12																							
13	0.91	0.90	2.05	3.74	8.12	9.20	5.56	4.65	2.67	1.92	1.41	1.11	1.11																							
14	0.00	0.71	2.08	3.84	8.19	9.05	5.55	4.57	2.64	1.90	1.40	1.10	1.10																							
15	0.00	1.04	2.10	3.91	8.23	8.90	5.53	4.50	2.61	1.90	1.38	1.09	1.09																							
16	0.00	1.08	2.12	3.99	8.26	8.74	5.51	4.41	2.57	1.87	1.37	1.09	1.09																							
17	0.00	1.11	2.15	4.10	8.22	8.57	5.40	4.33	2.54	1.85	1.35	1.08	1.08																							
18	0.00	1.15	2.16	4.24	8.22	8.38	5.44	4.25	2.51	1.82	1.34	1.08	1.08																							
19	0.91	1.17	2.19	4.47	8.29	8.18	5.40	4.17	2.49	1.80	1.33	1.07	1.07																							
20	0.91	1.19	2.26	4.57	8.43	7.99	5.37	4.08	2.46	1.79	1.32	1.06	1.06																							
21	0.91	1.20	2.32	4.63	8.62	7.80	5.34	3.99	2.43	1.78	1.30	1.05	1.05																							
22	0.93	1.23	2.40	4.69	8.78	7.63	5.33	3.90	2.40	1.76	1.28	1.05	1.05																							
23	0.94	1.26	2.47	4.84	8.96	7.46	5.32	3.81	2.38	1.75	1.27	1.03	1.03																							
24	0.94	1.29	2.49	5.19	9.13	7.28	5.30	3.73	2.35	1.73	1.25	1.01	1.01																							
25	0.94	1.30	2.50	5.47	9.27	7.13	5.29	3.65	2.33	1.72	1.24	1.00	1.00																							
26	0.94	1.34	2.52	5.69	9.36	6.99	5.27	3.56	2.30	1.70	1.23	1.00	1.00																							
27	0.94	1.41	2.55	5.86	9.39	6.86	5.26	3.48	2.27	1.67	1.21	0.96	0.96																							
28	0.94	1.45	2.57	5.97	9.39	6.72	5.24	3.41	2.24	1.66	1.21	0.93	0.93																							
29	0.94	1.47	2.60	6.06	9.39	6.63	5.23	3.34	2.22	1.64	1.20	0.94	0.94																							
30	0.94	1.50	2.62	6.18	9.39	6.53	5.22	3.28	2.21	1.62	1.19	0.91	0.91																							
31	0.94	1.50	2.67	6.32	9.39	6.44	5.22	3.22	2.21	1.60	1.18	0.91	0.91																							
MEAN	0.91	1.08	2.15	4.27	7.90	8.38	5.50	4.33	2.51	1.90	1.37	1.07	3.44																							
M.	0.94	1.50	2.67	6.32	9.39	9.53	6.36	5.21	3.16	2.35	1.50	1.17	9.53																							
MIN.	0.00	0.60	1.55	2.91	6.42	6.44	5.22	3.22	2.21	1.60	1.10	0.91	0.60																							

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1970/71												[DISCHARGE (m3/sec)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1	99.3	102.4	170.5	309.4	1441.9	2796.0	1410.5	1016.2	462.6	274.6	181.4	130.0	130.0																							
2	99.3	100.9	185.6	414.2	1483.0	2782.9	1380.4	1008.3	451.4	270.5	181.0	129.7	129.7																							
3	99.3	99.3	195.0	424.9	1487.9	2773.2	1344.0	996.6	439.7	266.5	179.8	128.6	128.6																							
4	99.3	99.3	204.5	434.5	1521.4	2781.3	1311.4	988.9	428.7	261.5	179.1	125.8	125.8																							
5	99.3	98.4	209.0	443.6	1569.7	2792.7	1283.6	976.2	417.3	260.5	174.8	125.1	125.1																							
6	99.3	97.2	213.9	462.0	1621.7	2820.5	1250.6	960.9	406.0	256.5	173.2	123.0	123.0																							
7	99.3	96.3	220.3	478.0	1679.4	2846.8	1222.4	948.5	399.6	252.6	171.2	123.1	123.1																							
8	99.3	98.4	229.6	490.2	1743.2	2871.5	1193.5	934.3	396.2	248.6	169.2	121.7	121.7																							
9	99.3	99.3	236.2	506.0	1830.6	2884.0	1167.0	919.2	387.0	244.0	169.0	120.3	120.3																							
10	99.3	101.5	243.8	525.0	1935.1	2881.5	1152.2	901.5	379.7	242.9	165.2	126.5	126.5																							
11	102.4	106.5	247.7	547.1	2034.0	2870.3	1139.7	880.4	373.8	239.0	163.6	126.5	126.5																							
12	102.4	107.9	249.6	569.7	2112.7	2776.4	1134.5	861.2	370.9	235.2	161.6	124.4	124.4																							
13	102.4	79.0	253.5	595.0	2171.2	2713.4	1132.4	841.4	360.8	231.9	159.7	123.0	123.0																							
14	99.3	82.6	257.5	620.9	2205.9	2633.6	1128.3	810.3	355.5	229.6	157.7	122.4	122.4																							
15	99.3	115.3	259.5	638.7	2224.8	2553.4	1122.1	799.0	349.7	227.7	156.2	121.7	121.7																							
16	99.3	120.3	263.5	660.8	2237.9	2474.5	1115.9	774.8	342.2	224.0	154.3	121.0	121.0																							
17	99.3	123.0	267.5	682.6	2220.4	2387.0	1103.5	750.1	336.0	220.3	152.4	120.3	120.3																							
18	102.4	127.9	268.5	726.6	2217.5	2293.8	1092.3	728.2	331.5	215.8	151.2	119.7	119.7																							
19	102.4	130.0	275.6	792.0	2254.0	2201.6	1079.1	707.6	327.0	213.9	149.3	119.0	119.0																							
20	102.4	132.5	287.0	820.1	2320.4	2112.7	1069.0	682.4	322.0	212.1	149.2	118.3	118.3																							
21	102.4	133.5	296.5	837.0	2412.0	2024.3	1056.9	657.6	315.9	209.9	145.6	117.0	117.0																							
22	104.0	137.9	311.6	854.9	2496.1	1945.9	1054.9	635.6	311.6	207.2	143.4	116.3	116.3																							
23	105.6	140.8	324.8	900.6	2506.3	1870.5	1051.9	614.8	307.2	204.5	142.6	114.3	114.3																							
24	105.6	140.8	327.0	1009.3	2673.3	1791.2	1043.9	593.6	302.9	202.8	139.7	112.0	112.0																							
25	105.6	145.2	329.2	1100.5	2748.8	1658.5	1040.9	573.4	298.6	201.1	138.2	110.4	110.4																							
26	105.6	150.0	333.7	1176.5	2796.0	1671.8	1034.9	552.9	294.4	199.3	136.8	111.0	111.0																							
27	105.6	159.7	338.3	1234.3	2807.4	1619.3	1031.0	534.2	289.1	194.1	135.3	107.2	107.2																							
28	105.6	164.4	342.0	1275.9	2810.7	1580.2	1025.0	517.2	283.9	192.0	134.6	104.0	104.0																							
29	105.6	167.6	347.4	1306.9	2810.7	1526.3	1023.1	501.2	279.7	190.7	133.9	104.6	104.6																							
30	105.6	171.6	352.0	1353.0	2810.7	1487.9	1020.1	488.9	277.7	187.3	132.5	102.4	102.4																							
31	105.6	171.6	361.9	1405.9	2810.7	1452.4	1020.1	474.6	277.7	184.4	131.1	102.4	102.4																							
MEAN	102.0	121.1	271.4	763.9	2129.4	2323.1	1140.8	762.5	351.9	229.1	155.2	119.0	697.1																							
M.	105.6	171.6	361.9	1405.9	2810.7	2884.0	1410.5	1016.2	462.6	304.5	181.4	130.0	2884.0																							
MIN.	99.3	79.0	170.5	309.4	1441.9	1452.4	1020.1	474.6	277.7	184.4	131.1	102.4	79.0																							

[Discharge Rating Curve]:  $Q=25.626*(H+1.095)^2$   
 [Flow Regime (m3/s)]:  
 Q(5day): 1023.1      Q(105day): 304.5      Q(275day): 139.7      Q(355day): 99.3

<<< MASTER PROGRAM for 00-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1971/72		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	0.90	0.90	1.30	1.90	2.70	3.49	5.51	5.59	3.53	2.06	1.44	1.04					
2	0.89	0.90	1.30	2.00	2.75	3.61	5.67	5.50	3.44	2.04	1.43	1.00					
3	0.87	0.90	1.29	2.02	2.73	3.71	5.91	5.52	3.36	2.01	1.40	1.00					
4	0.86	0.91	1.29	2.06	2.70	3.86	6.11	5.47	3.29	1.99	1.38	0.97					
5	0.84	0.93	1.27	2.13	2.65	3.99	6.25	5.43	3.22	1.95	1.37	0.94					
6	0.84	0.93	1.26	2.16	2.63	4.09	6.36	5.37	3.15	1.93	1.36	0.94					
7	0.83	0.90	1.20	2.21	2.62	4.20	6.46	5.30	3.08	1.92	1.34	0.93					
8	0.82	0.90	1.30	2.31	2.63	4.36	6.53	5.21	3.01	1.90	1.34	0.94					
9	0.81	0.90	1.32	2.41	2.65	4.45	6.50	5.16	2.93	1.88	1.31	0.90					
10	0.81	0.90	1.32	2.49	2.65	4.54	6.63	5.00	2.86	1.85	1.30	0.90					
11	0.80	0.93	1.33	2.57	2.60	4.61	6.65	5.00	2.82	1.84	1.30	0.91					
12	0.79	0.93	1.34	2.64	2.72	4.70	6.71	4.93	2.76	1.83	1.29	0.87					
13	0.79	0.93	1.34	2.69	2.75	4.77	6.79	4.86	2.70	1.80	1.29	0.87					
14	0.81	0.94	1.32	2.72	2.80	4.82	6.86	4.77	2.65	1.78	1.27	0.84					
15	0.75	0.96	1.32	2.70	2.84	4.89	6.95	4.72	2.60	1.76	1.25	0.84					
16	0.75	0.99	1.35	2.80	2.86	4.97	6.70	4.66	2.55	1.72	1.24	0.84					
17	0.75	1.05	1.39	2.80	2.87	5.08	6.60	4.59	2.51	1.72	1.21	0.81					
18	0.75	1.06	1.45	2.83	2.86	5.15	6.56	4.52	2.47	1.71	1.20	0.81					
19	0.75	1.09	1.50	2.85	2.89	5.19	6.42	4.46	2.44	1.69	1.19	0.81					
20		1.12	1.55	2.87	2.87	5.25	6.30	4.39	2.40	1.65	1.17	0.78					
21	0.80	1.17	1.59	2.89	2.91	5.30	6.17	4.32	2.36	1.61	1.17	0.79					
22	0.81	1.21	1.62	2.88	2.97	5.33	6.04	4.25	2.32	1.59	1.16	0.78					
23	0.83	1.23	1.66	2.87	3.01	5.35	5.94	4.18	2.28	1.58	1.14	0.78					
24	0.84	1.24	1.70	2.85	3.00	5.38	5.92	4.11	2.24	1.56	1.13	0.75					
25	0.85	1.29	1.73	2.84	3.03	5.40	5.89	4.04	2.22	1.55	1.12	0.75					
26	0.90	1.30	1.76	2.84	3.22	5.41	5.82	3.97	2.19	1.53	1.10	0.75					
27	0.88	1.30	1.79	2.81	3.28	5.39	5.73	3.90	2.17	1.49	1.09	0.75					
28		1.30	1.83	2.81	3.32	5.39	5.66	3.83	2.13	1.47	1.07	0.75					
29	0.88	1.30	1.90	2.80	3.39	5.39	5.60	3.76	2.12	1.46	1.06	0.75					
30	0.89	1.30	1.98	2.80		5.39	5.60	3.68	2.10	1.46	1.05	0.75					
31	0.89		1.98	2.79		5.44		3.60		1.45	1.05						
MEAN	0.83	1.06	1.50	2.60	2.87	4.00	6.23	4.65	2.66	1.73	1.23	0.85	2.58				
MAX	0.90	1.30	1.98	2.89	3.39	5.44	6.86	5.59	3.53	2.06	1.44	1.04	6.86				
MIN.	0.75	0.90	1.26	1.98	2.62	3.49	5.51	3.60	2.10	1.45	1.05	0.75	0.75				

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1971/72		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	100.9	100.9	146.3	241.4	382.2	535.6	1115.9	1141.8	545.0	253.5	163.6	115.6					
2	100.9		146.3	243.0	377.3	564.6	1170.1	1137.6	525.7	249.8	162.0	111.0					
3	97.8	100.9	144.0	247.7	372.6	599.8	1253.9	1119.0	506.8	245.7	157.7	111.0					
4	96.9	102.4	144.1	253.5	366.6	626.3	1325.9	1099.4	490.2	241.9	156.2	107.8					
5	94.8	104.0	142.6	264.5	358.4	659.2	1378.1	1086.2	474.6	236.2	154.6	104.8					
6	94.8	104.0	141.1	269.5	353.0	686.4	1420.0	1066.9	459.3	232.4	153.1	104.6					
7	92.9	100.9	142.4	278.7	350.9	715.0	1460.7	1044.9	443.6	231.4	151.2	104.0					
8	93.3	100.9	145.6	295.4	353.8	758.5	1487.9	1015.2	428.7	228.6	150.1	104.6					
9	92.4	100.9	147.8	313.2	357.8	785.1	1504.6	1000.5	413.5	224.9	147.1	100.9					
10	91.8	100.9	148.6	327.0	358.4	812.1	1523.8	975.3	402.3	221.2	146.3	101.2					
11	90.9	104.0	149.3	342.8	363.1	830.7	1533.5	950.4	390.7	219.4	145.2	101.5					
12	90.3	104.0	150.1	354.9	370.2	858.5	1556.5	927.7	378.5	217.1	144.1	98.1					
13	100.9	104.0	150.1	363.1	377.3	878.5	1588.4	906.2	367.2	213.9	143.7	97.8					
14	91.8	105.6	147.8	371.4	387.0	892.3	1619.3	879.5	357.8	210.3	142.6	95.4					
15	86.0	107.2	148.8	382.2	394.3	915.5	1611.8	863.0	349.5	206.8	139.7	94.0					
16	86.0	110.4	151.6	385.9	398.6	939.9	1585.9	845.9	337.7	201.9	138.2	95.4					
17	86.6	117.0	156.2	387.0	399.9	975.3	1543.2	825.4	330.4	201.1	135.3	92.4					
18	86.0	118.3	164.4	391.9	398.6	995.6	1497.5	805.1	324.8	199.7	133.5	92.4					
19	86.6	121.0	170.8	398.8	402.3	1010.3	1444.2	788.8	318.1	196.3	131.0	91.0					
20	89.5	125.1	178.1	401.1	401.1	1027.0	1398.8	769.0	311.0	191.1	130.7	89.2					
21	90.9	130.4	183.9	404.8	409.5	1043.9	1347.4	748.4	304.5	186.5	130.7	88.9					
22	92.4	134.6	187.3	403.6	421.1	1055.9	1300.2	728.2	297.6	183.1	128.6	89.5					
23	93.9	136.8	193.3	400.5	428.7	1060.9	1263.8	711.7	290.2	181.4	127.2	89.5					
24	95.4	139.0	199.4	398.6	443.6	1072.0	1256.1	692.9	282.8	178.9	125.8	86.0					
25	96.3	144.1	203.7	395.5	433.9	1078.1	1245.2	673.5	279.7	177.7	124.4	86.0					
26	100.9	146.3	207.2	394.3	476.0	1080.1	1220.3	654.4	275.6	174.8	122.7	86.6					
27	99.3	146.3	211.7	389.4	488.2	1075.0	1191.3	637.2	271.5	170.0	121.0	86.3					
28	99.3	146.3	218.5	388.2	497.1	1073.0	1164.8	617.9	265.5	166.8	119.0	86.0					
29	99.3	146.3	228.6	387.0	513.7	1071.0	1146.0	600.3	263.5	166.0	119.3	86.6					
30	100.0	146.3	240.0	385.8		1074.0	1143.9	577.9	259.5	166.0	117.0	86.0					
31	100.0		240.9	384.6		1092.3		562.4		165.2	117.3						
MEAN	94.2	118.3	172.0	349.8	401.2	897.8	1376.7	853.2	364.8	204.5	139.0	96.2	421.6				
MAX	100.9	146.3	240.9	404.8	513.7	1092.3	1619.3	1141.8	545.0	253.5	163.6	115.6	1619.3				
MIN.	86.0	100.9	141.1	241.4	350.9	535.6	1115.9	562.4	259.5	165.2	117.0	86.0	86.0				

[Discharge Rating Curve]: Q=25.626\*(H+1.005)<sup>2</sup>

[Flow Regime (m3/s)]:

Q(1day): 513.7      Q(105day): 241.9      Q(275day): 130.4      Q(355day): 86.6

<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1972/73	[WATER LEVEL (m)]
N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.75	0.91	0.95	1.05	3.22	5.56	6.30	4.53	2.40	1.64	1.15	0.79		
2	0.75	0.91	0.97	1.94	3.40	5.74	6.30	4.46	2.30	1.62	1.13	0.79		
3	0.75	0.91	0.90	2.02	3.42	5.86	6.27	4.39	2.35	1.61	1.12	0.70		
4	0.75	0.97	0.96	2.10	3.45	5.94	6.21	4.31	2.33	1.59	1.12	0.70		
5	0.75	0.91	0.90	2.20	3.47	5.97	6.17	4.26	2.29	1.50	1.12	0.77		
6	0.72	0.91	1.00	2.29	3.47	5.99	6.13	4.18	2.26	1.56	1.09	0.77		
7	0.72	0.94	1.00	2.30	3.41	5.99	6.12	4.04	2.23	1.54	1.00	0.77		
8	0.72	0.94	1.06	2.46	3.36	5.95	6.07	3.90	2.21	1.52	1.00	0.76		
9	0.72	0.99	1.09	2.54	3.30	5.94	6.06	3.83	2.16	1.50	1.05	0.75		
10	0.72	1.02	1.09	2.60	3.23	5.97	6.06	3.78	2.12	1.47	1.04	0.72		
11	0.75	1.02	1.11	2.67	3.16	6.00	6.05	3.69	2.00	1.46	1.03	0.72		
12			1.16	2.77	3.09	6.15	6.05	3.61	2.04	1.45	0.99	0.69		
13	0.75	1.05	1.24	2.84	3.06	6.12	5.94	3.54	2.02	1.43	0.99	0.66		
14	0.75	1.05	1.26	2.90	3.10	6.08	5.87	3.47	2.02	1.41	0.90	0.66		
15	0.75	1.05	1.33	2.94	3.20	6.00	5.79	3.30	2.00	1.40	0.90	0.66		
16	0.70	1.05	1.38	2.98	3.43	6.09	5.70	3.29	1.96	1.38	0.96	0.63		
17	0.81	1.06	1.39	3.00	3.56	6.12	5.61	3.22	1.94	1.37	0.95	0.62		
18	0.84	1.06	1.44	3.03	3.71	6.16	5.40	3.16	1.91	1.35	0.93	0.60		
19	0.84	1.04	1.46	3.06	3.86	6.21	5.30	3.00	1.89	1.34	0.92	0.60		
20	0.84	1.02	1.51	3.09	4.03	6.24	5.29	2.84	1.87	1.33	0.92	0.59		
21	0.84	1.02	1.57	3.11	4.10	6.21	5.22	2.97	1.85	1.32	0.90	0.59		
22	0.84	1.02	1.60	3.14	4.36	6.20	5.13	2.89	1.83	1.30	0.89	0.57		
23	0.84	1.00	1.64	3.10	4.56	6.16	5.06	2.93	1.80	1.29	0.89	0.56		
24	0.84	0.99	1.67	3.15	4.60	6.16	5.00	2.77	1.79	1.27	0.89	0.56		
25	0.84	0.99	1.67	3.16	4.79	6.16	4.94	2.72	1.76	1.26	0.87	0.55		
26	0.84	1.00	1.67	3.10	4.92	6.17	4.87	2.69	1.73	1.26	0.87	0.55		
27	0.84	0.97	1.70	3.10	5.11	6.10	4.80	2.64	1.72	1.25	0.86	0.55		
28	0.84	0.96	1.73	3.17	5.34	6.20	4.73	2.59	1.71	1.23	0.83	0.55		
29	0.84	0.96	1.73	3.20	5.54	6.21	4.67	2.54	1.69	1.21	0.83	0.54		
30	0.87	0.97	1.76	3.28	5.74	6.24	4.61	2.49	1.66	1.19	0.80	0.54		
31	0.87		1.70	3.33	5.94	6.20		2.44		1.17	0.80			
MEAN	0.79	0.99	1.35	2.80	3.72	6.00	5.59	3.30	2.00	1.40	0.97	0.66	2.47	
MAX	0.87	1.06	1.70	3.33	5.34	6.20	6.30	4.53	2.40	1.64	1.15	0.79	6.30	
MIN.	0.72	0.87	0.96	1.05	3.06	5.56	4.61	2.44	1.66	1.17	0.80	0.54	0.54	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1972/73	[DISCHARGE (m3/sec)]
N	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	86.0	101.5	107.2	221.2	512.3	1130.4	1396.5	800.6	311.6	109.8	127.9	90.3		
2	86.0	101.5	107.0	234.3	516.5	1193.5	1396.5	780.6	307.2	100.1	125.5	90.3		
3	86.0	101.5	109.0	247.2	520.0	1236.5	1385.0	750.0	302.9	106.5	124.4	80.9		
4	86.6	97.0	107.2	260.5	527.1	1263.8	1363.3	746.7	298.1	103.1	124.4	80.9		
5	86.0	101.5	100.0	277.2	532.0	1275.9	1347.4	731.6	292.3	101.4	124.1	80.6		
6	83.4	101.5	111.0	291.2	530.7	1281.4	1334.9	710.0	287.5	102.4	120.7	80.6		
7	83.1	104.6	111.0	307.2	518.6	1290.3	1331.6	671.9	281.0	106.5	120.3	80.3		
8	83.1	104.6	117.6	322.5	506.0	1260.2	1313.8	637.2	277.7	104.4	119.7	80.0		
9	83.1	110.4	121.0	336.0	493.0	1266.0	1309.1	617.9	270.5	101.6	116.3	80.3		
10	83.1	113.7	121.0	347.4	477.3	1277.0	1306.9	607.2	263.0	106.0	115.3	80.4		
11	86.0	113.7	123.0	361.9	462.0	1315.0	1304.7	595.3	256.5	106.0	114.3	80.1		
12	86.6	117.6	129.7	381.6	448.2	1346.2	1303.6	565.3	249.6	104.4	110.7	80.6		
13	86.3	117.0	138.6	395.5	441.0	1330.4	1263.0	547.9	247.7	102.0	110.1	79.4		
14	86.6	117.0	141.5	407.9	466.6	1317.0	1239.7	531.4	246.7	100.1	109.0	77.9		
15	86.0	117.0	140.9	414.0	490.2	1317.0	1209.5	510.9	243.0	107.7	109.1	77.6		
16	89.2	117.0	153.5	423.6	522.9	1319.2	1179.6	490.2	230.1	106.2	107.5	75.5		
17	92.4	117.6	156.6	427.5	553.6	1331.6	1147.0	476.0	234.3	104.3	105.9	74.9		
18	95.4	117.6	163.2	433.9	588.3	1344.0	1105.6	461.3	230.5	102.4	103.7	73.1		
19	94.0	115.3	166.4	441.0	627.1	1365.6	1071.0	444.9	226.0	100.0	103.4	72.5		
20	95.1	113.7	172.4	446.2	670.3	1374.7	1041.9	435.2	223.1	103.3	103.1	71.7		
21	94.0	113.7	181.0	451.4	711.7	1363.3	1018.1	420.5	220.3	107.8	101.2	71.7		
22	94.0	113.7	184.0	459.0	750.2	1358.7	980.8	404.0	217.6	108.3	100.3	69.9		
23	94.0	111.0	189.0	465.3	816.5	1346.2	956.6	393.1	213.9	104.1	99.7	69.4		
24	95.4	110.4	194.1	458.6	852.2	1344.0	949.5	381.6	210.3	102.6	99.7	69.4		
25	95.1	110.4	194.1	462.0	884.0	1344.0	929.5	372.0	207.2	101.1	99.1	68.9		
26	94.0	111.0	194.1	465.9	923.9	1347.4	909.0	364.3	203.7	100.4	97.5	68.9		
27	95.4	107.8	198.9	466.6	984.9	1351.9	888.0	355.5	201.9	103.3	96.9	68.8		
28	95.1	107.2	202.0	463.3	1056.9	1350.7	866.7	346.2	200.2	107.5	94.2	68.4		
29	95.4	107.5	202.0	470.6		1365.6	847.7	337.1	196.7	105.3	93.9	67.9		
30	97.0	107.8	207.2	487.5		1373.6	832.5	328.1	193.3	102.5	91.2	67.9		
31	98.1		210.0	499.5		1389.6		318.1		100.7	90.9			
MEAN	90.2	110.1	154.1	391.2	621.1	1315.4	1151.4	521.2	245.2	100.3	100.4	77.9	410.5	
MAX	98.1	117.6	210.0	499.5	1056.9	1389.6	1396.5	800.6	311.6	109.8	127.9	90.3	1396.5	
MIN.	83.1	97.0	107.2	221.2	441.0	1130.4	932.5	310.1	193.3	100.7	90.9	67.9	67.9	

[Discharge Rating Curve]:  $Q=25.626*(H+1.005)^2$

[Flow Regime (m3/s)]:

Q(7day): 512.3      Q(105day): 196.7      Q(275day): 107.0      Q(355day): 71.7

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR: 1973/74												[WATER LEVEL (m)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1		0.55	0.55	0.90	1.76	5.23	6.51	6.34	5.78	3.02	1.89	1.27	0.85																							
2		0.55	0.55	0.91	1.81	5.36	6.42	6.42	5.62	2.97	1.85	1.26	0.85																							
3		0.55	0.53	0.89	1.85	5.44	6.30	6.57	5.46	2.93	1.83	1.26	0.85																							
4		0.55	0.53	0.90	1.89	5.51	6.18	6.74	5.34	2.88	1.80	1.25	0.85																							
5		0.55	0.53	0.90	1.90	5.57	6.01	6.93	5.21	2.83	1.78	1.24	0.85																							
6		0.55	0.53	0.92	1.93	5.70	5.86	7.05	5.09	2.78	1.76	1.23	0.85																							
7		0.55	0.53	0.94	2.01	5.78	5.74	7.06	4.97	2.73	1.73	1.21	0.84																							
8		0.55	0.53	0.98	2.24	5.90	5.66	7.27	4.86	2.69	1.71	1.20	0.84																							
9		0.55	0.56	1.05	2.44	6.07	5.59	7.52	4.76	2.64	1.69	1.20	0.83																							
10		0.55	0.63	1.07	2.62	6.21	5.55	7.71	4.66	2.58	1.67	1.19	0.83																							
11		0.55	0.69	1.10	2.90	6.34	5.51	7.85	4.56	2.53	1.65	1.19	0.82																							
12		0.55	0.72	1.14	3.11	6.43	5.51	7.89	4.47	2.50	1.62	1.17	0.81																							
13		0.55	0.75	1.19	3.15	6.58	5.54	8.05	4.37	2.47	1.59	1.14	0.78																							
14		0.55	0.78	1.23	3.21	6.74	5.59	8.09	4.27	2.43	1.55	1.12	0.77																							
15		0.55	0.78	1.30	3.26	6.94	5.71	8.10	4.19	2.39	1.53	1.11	0.77																							
16		0.55	0.78	1.41	3.29	7.26	5.91	8.08	4.10	2.35	1.50	1.08	0.76																							
17		0.55	0.78	1.46	3.31	7.64	6.14	8.00	4.00	2.32	1.49	1.06	0.76																							
18		0.55	0.80	1.46	3.36	7.87	6.40	7.92	3.94	2.28	1.47	1.04	0.75																							
19		0.55	0.81	1.47	3.43	7.97	6.53	7.79	3.86	2.24	1.47	1.00	0.74																							
20			0.81	1.49	3.53	8.01	6.60	7.62	3.79	2.21	1.46	0.98	0.70																							
21			0.81	1.51	3.68	7.90	6.64	7.43	3.72	2.18	1.46	0.97	0.66																							
22			0.80	1.53	3.83	7.78	6.68	7.25	3.64	2.15	1.45	0.95	0.66																							
23			0.78	1.55	4.02	7.62	6.58	7.07	3.55	2.11	1.44	0.94	0.66																							
24			0.78	1.56	4.26	7.43	6.52	6.90	3.48	2.08	1.42	0.91	0.66																							
25			0.81	1.59	4.46	7.27	6.47	6.73	3.42	2.11	1.41	0.88	0.65																							
26			0.84	1.60	4.67	7.13	6.42	6.55	3.36	2.02	1.38	0.88	0.63																							
27			0.86	1.63	4.76	6.88	6.37	6.42	3.29	2.00	1.36	0.88	0.62																							
28			0.85	1.67	4.86	6.60	6.34	6.25	3.20	1.98	1.35	0.87	0.61																							
29		0.55	0.87	1.68	4.97		6.32	6.09	3.12	1.96	1.34	0.87	0.60																							
30		0.55	0.88	1.70	5.05		6.32	5.93	3.10	1.93	1.33	0.87	0.59																							
31		0.55		1.73	5.13		6.32				1.30	0.87																								
MEAN		0.55	0.72	1.30	3.31	6.68	6.14	7.19	4.24	2.41	1.56	1.07	0.75	3.02																						
MAX.		0.55	0.88	1.73	5.13	8.01	6.68	8.10	5.78	3.02	1.89	1.27	0.85	8.10																						
MIN.		0.55	0.53	0.89	1.76	5.23	5.51	5.93	3.10	1.93	1.30	0.87	0.59	0.53																						

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR: 1973/74												[DISCHARGE (m3/sec)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1		68.1	68.6	101.2	208.1	1023.1	1477.2	1412.7	1207.4	432.6	226.8	142.6	96.0																							
2		68.1	68.6	102.4	214.8	1062.9	1444.2	1441.9	1151.2	422.4	221.2	141.1	96.0																							
3		68.1	67.1	100.0	220.3	1092.3	1398.8	1502.2	1098.4	412.3	217.6	140.4	96.0																							
4		68.1	67.1	100.6	226.3	1113.8	1351.9	1568.7	1058.9	402.3	213.9	139.7	96.0																							
5		68.1	67.1	100.6	228.6	1134.5	1289.1	1647.9	1016.2	393.1	210.3	139.0	96.0																							
6		68.1	67.1	102.8	232.4	1178.6	1236.5	1694.6	976.2	383.4	207.2	137.5	96.0																							
7		68.1	67.1	105.6	244.8	1207.4	1193.5	1698.4	939.9	373.8	203.7	135.3	95.4																							
8		68.1	67.1	108.8	282.8	1251.7	1164.8	1788.6	907.1	364.3	200.2	133.9	94.8																							
9		68.1	69.7	116.6	319.2	1313.6	1141.8	1898.6	875.8	354.9	198.0	133.5	94.2																							
10		68.1	75.5	119.3	352.0	1365.6	1127.2	1981.5	845.9	344.0	195.0	132.5	93.6																							
11		68.1	80.4	122.0	406.0	1412.7	1115.9	2043.8	816.5	335.4	191.5	132.5	93.0																							
12		68.1	83.1	127.2	451.4	1448.9	1115.9	2064.8	790.3	329.2	188.1	130.0	92.4																							
13		68.1	86.0	132.1	460.6	1504.6	1124.1	2139.8	761.9	323.7	183.1	127.2	89.2																							
14		68.1	89.5	136.8	472.0	1568.7	1141.8	2156.9	734.9	315.9	178.1	124.4	88.6																							
15		68.1	88.9	146.3	482.7	1650.5	1182.8	2162.7	713.3	308.8	174.8	123.1	88.0																							
16		68.1	88.9	159.3	489.5	1783.4	1255.0	2152.6	688.8	302.9	171.6	120.3	87.4																							
17		68.1	89.2	165.6	494.3	1948.7	1339.5	2115.6	663.1	296.5	169.6	117.6	86.8																							
18		68.1	91.2	166.0	506.8	2056.4	1437.2	2076.0	646.6	290.2	167.6	116.0	86.3																							
19		68.1	91.8	166.8	522.9	2100.0	1487.9	2017.4	627.1	283.9	166.8	111.4	85.7																							
20		68.1	91.8	170.0	545.0	2118.4	1513.0	1943.2	608.7	277.7	166.4	109.1	82.0																							
21		68.1	91.8	172.4	580.8	2070.4	1531.1	1859.8	591.3	273.6	166.0	107.8	78.2																							
22		68.1	90.6	174.8	619.4	2014.6	1546.8	1780.8	571.9	267.5	164.8	106.2	78.2																							
23		68.1	88.9	178.5	668.7	1943.2	1504.6	1706.1	550.7	261.5	162.8	105.0	78.2																							
24		68.1	89.5	179.8	733.2	1859.8	1483.2	1632.9	534.2	257.0	161.2	101.8	78.2																							
25		68.1	91.8	183.1	788.6	1789.9	1461.9	1566.3	520.0	261.5	159.3	99.0	76.8																							
26		68.1	95.4	184.8	849.5	1730.4	1444.2	1495.1	505.4	247.7	156.2	98.7	75.7																							
27		68.1	96.6	189.0	874.9	1625.5	1424.3	1441.9	490.2	243.8	153.1	98.7	74.7																							
28		68.1	96.0	194.5	907.1	1514.2	1412.7	1380.4	470.6	240.0	151.6	97.8	73.6																							
29		68.1	97.8	195.8	939.9		1405.8	1319.2	454.0	238.1	150.8	97.8	73.1																							
30		68.1	99.0	198.4	964.7		1405.8	1260.5	448.8	232.4	149.3	97.8	71.5																							
31		68.1		202.8	988.8		1405.8				145.6	97.8																								
MEAN		68.1	83.4	148.5	525.0	1567.3	1340.8	1765.0	742.2	315.7	179.8	119.2	86.4	570.0																						
MAX.		68.1	99.0	202.8	988.8	2118.4	1546.8	2162.7	1207.4	432.6	226.8	142.6	96.0	2162.7																						
MIN.		68.1	67.1	100.0	208.1	1023.1	1115.9	1260.5	448.8	292.4	145.6	97.8	71.5	67.1																						

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$

[Flow Regime (m3/s)]:

Q(95day): 988.8      Q(185day): 208.1      Q(275day): 97.8      Q(355day): 68.1



<<< MASTER PROGRAM for D0-05(Normal Year):Daily River W/L & Discharge >>>

*TIM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1974/75	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.55	0.55	1.39	4.10	7.31	7.32	10.24	5.29	3.53	2.15	1.50	1.06			
2	0.55	0.55	1.45	4.51	7.21	7.34	10.15	5.19	3.44	2.10	1.49	1.05			
3	0.55	0.55	1.50	4.02	7.14	7.37	10.05	5.11	3.37	2.07	1.48	1.04			
4	0.55	0.55	1.62	5.19	7.06	7.42	9.09	5.04	3.30	2.07	1.47	1.01			
5	0.55	0.55	2.00	5.46	6.96	7.50	9.69	5.00	3.23	2.06	1.44	0.99			
6	0.55	0.59	1.59	5.76	7.00	7.55	9.40	4.97	3.16	2.05	1.42	0.99			
7	0.55	0.59	1.58	6.00	7.04	7.67	9.19	4.93	3.09	2.01	1.42	0.99			
8	0.55	0.60	1.67	6.17	7.02	7.92	8.91	4.90	3.04	2.00	1.41	0.97			
9	0.55	0.60	1.71	6.30	6.95	8.09	8.61	4.84	2.99	1.99	1.39	0.95			
10	0.55	0.61	1.75	6.39	6.92	8.20	8.30	4.79	2.93	1.95	1.37	0.94			
11	0.55	0.61	1.81	6.42	6.99	8.44	8.02	4.79	2.89	1.93	1.35	0.93			
12	0.55	0.61	1.86	6.40	7.05	8.62	7.75	4.76	2.83	1.90	1.35	0.92			
13	0.55	0.61	1.90	6.55	7.07	8.55	7.53	4.72	2.79	1.88	1.34	0.91			
14	0.55	0.59	1.94	6.61	7.03	9.02	7.37	4.68	2.73	1.85	1.32	0.89			
15	0.55	0.60	1.90	6.62	7.02	9.24	7.12	4.62	2.67	1.82	1.31	0.89			
16	0.55	0.64	2.02	6.61	7.07	9.39	6.90	4.57	2.61	1.82	1.29	0.87			
17	0.55	0.64	2.02	6.60	7.14	9.51	6.83	4.50	2.60	1.81	1.27	0.85			
18	0.55	0.66	2.06	6.55	7.19	9.50	6.69	4.46	2.58	1.79	1.26	0.84			
19	0.55	0.66	2.10	6.85	7.21	9.67	6.53	4.56	2.54	1.77	1.24	0.84			
20	0.55	0.66	2.18	7.03	7.23	9.74	6.47	4.34	2.50	1.75	1.23	0.82			
21	0.55	0.67	2.26	7.23	7.29	9.82	6.45	4.28	2.47	1.74	1.24	0.81			
22	0.55	0.67	2.33	7.36	7.33	9.90	6.43	4.25	2.45	1.70	1.19	0.80			
23	0.55	0.69	2.40	7.49	7.37	9.99	6.36	4.20	2.43	1.69	1.18	0.79			
24	0.55	0.72	2.51	7.57	7.41	10.08	6.06	4.10	2.39	1.67	1.19	0.79			
25	0.55	0.75	2.71	7.63	7.40	10.08	5.76	4.03	2.35	1.66	1.17	0.77			
26	0.55	0.75	2.92	7.65	7.38	10.10	5.54	3.95	2.32	1.65	1.15	0.77			
27	0.55	0.85	3.09	7.63	7.37	10.11	5.53	3.87	2.29	1.62	1.12	0.76			
28	0.55	0.85	3.25	7.60	7.23	10.17	5.48	3.81	2.26	1.60	1.12	0.76			
29	0.55	1.04	3.42	7.53	7.20	10.20	5.42	3.70	2.21	1.59	1.11	0.72			
30	0.55	1.22	3.68	7.47	7.17	10.22	5.35	3.67	2.19	1.54	1.09	0.70			
31	0.55	1.22	3.80	7.40	7.14	10.24	5.28	3.61	2.17	1.50	1.08	0.70			
MEAN	0.55	0.60	2.21	6.57	7.16	8.00	7.47	4.50	2.75	1.86	1.29	0.89	3.72		
MAX	0.55	1.22	3.80	7.65	7.41	10.24	10.24	5.29	3.53	2.64	1.50	1.06	10.24		
MIN.	0.55	0.55	1.39	4.10	6.92	7.32	5.25	3.61	2.19	1.50	1.09	0.70	1.05		

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1974/75	[DISCHARGE (m <sup>3</sup> /sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	69.7	69.1	157.0	710.9	1805.6	1809.6	3283.9	1037.9	545.0	260.5	170.0	119.3			
2	69.7	69.1	164.4	803.4	1765.2	1918.0	3232.0	1010.3	525.7	259.5	170.0	117.0			
3	69.6	69.6	170.0	894.1	1734.2	1833.3	3176.9	993.0	509.5	255.5	169.2	115.6			
4	69.4	69.6	180.1	1009.3	1690.4	1854.5	3085.4	962.0	493.0	254.5	168.0	112.4			
5	69.1	69.6	256.5	1096.4	1656.7	1890.5	2975.0	949.4	477.3	253.5	166.6	110.4			
6	69.1	71.0	183.1	1199.9	1674.4	1912.1	2861.6	930.0	462.0	251.6	161.2	109.1			
7	69.1	72.3	179.9	1285.9	1690.0	1966.4	2703.7	925.0	447.5	245.7	160.5	109.0			
8	69.1	72.5	195.0	1349.6	1681.9	2000.2	2558.1	919.2	437.1	243.8	159.9	108.5			
9	69.1	72.5	200.2	1395.5	1654.2	2156.9	2409.0	899.7	423.6	240.0	156.2	105.9			
10	69.1	72.5	205.5	1429.0	1642.9	2245.2	2250.4	882.2	412.3	236.2	154.6	105.3			
11	69.1	73.3	214.0	1441.9	1671.0	2324.9	2120.4	882.2	402.3	232.4	152.4	104.0			
12	69.1	73.6	222.1	1467.0	1695.9	2415.0	2000.0	876.7	393.1	229.6	151.6	103.4			
13	69.1	73.3	228.6	1495.1	1703.5	2378.0	1901.3	864.9	383.4	224.9	150.1	101.0			
14	69.1	72.3	235.2	1517.0	1689.5	2620.9	1832.0	850.4	373.0	221.2	148.6	100.3			
15	69.1	72.0	240.9	1521.4	1691.9	2729.5	1725.2	833.4	360.0	216.7	146.7	99.0			
16	69.1	76.3	246.7	1519.0	1706.1	2813.9	1666.0	819.2	349.2	215.0	144.0	98.4			
17	69.1	75.3	249.1	1514.2	1735.5	2878.1	1604.4	798.1	347.4	214.0	142.6	96.0			
18	69.1	77.6	253.5	1495.1	1754.9	2916.4	1549.3	786.0	345.1	212.1	141.1	95.4			
19	69.1	77.6	260.5	1614.3	1762.6	2961.5	1485.5	817.4	337.1	209.0	139.0	94.0			
20	69.1	79.4	272.6	1680.3	1773.0	3000.3	1463.0	755.1	329.2	205.5	136.0	93.0			
21	69.1	79.7	287.0	1770.4	1792.5	3046.1	1453.6	738.3	324.0	204.9	136.9	92.4			
22	69.1	79.3	298.6	1829.3	1816.1	3092.2	1440.9	720.2	320.3	199.4	132.5	90.6			
23	69.1	80.4	310.5	1885.2	1833.3	3145.7	1418.5	716.6	315.9	198.0	131.0	89.7			
24	69.1	83.1	330.4	1921.5	1849.2	3180.4	1386.9	689.6	307.2	195.0	131.1	89.2			
25	69.1	86.6	369.0	1944.6	1845.2	3196.1	1199.9	670.3	302.9	192.4	130.0	88.6			
26	69.1	93.3	413.5	1954.1	1826.7	3206.5	1126.2	649.7	296.5	191.1	127.9	88.0			
27	69.1	96.3	447.5	1945.9	1832.0	3213.5	1122.1	630.2	292.3	189.1	125.0	87.4			
28	69.1	101.0	481.4	1932.4	1773.0	3242.3	1105.6	614.0	287.0	184.9	124.4	86.8			
29	69.1	115.6	520.0	1904.0		3266.2	1084.1	605.6	277.7	181.4	123.1	83.7			
30	69.1	136.1	582.3	1874.5		3275.0	1060.9	579.4	275.1	176.5	121.7	82.0			
31	69.1	136.1	631.0	1846.5		3287.4	1049.9	565.3	271.6	171.6	119.7	82.0			
MEAN	69.2	80.2	290.2	1524.5	1741.0	2637.4	1940.9	805.0	390.5	233.3	144.5	99.2	822.7		
MAX	69.7	136.1	631.0	1954.1	1849.2	3207.4	3203.9	1037.9	545.0	354.9	170.0	119.3	3287.4		
MIN.	69.1	69.1	157.0	710.9	1642.9	1809.6	1060.9	565.3	275.1	171.6	119.7	82.0	60.1		

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$

[flow Regime (m<sup>3</sup>/s)]:

Q(5day): 1495.1      Q(105day): 307.2      Q(275day): 119.7      Q(355day): 60.1

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1975/76	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	0.70	0.63	0.73	1.81	8.13	8.24		8.21	4.29	2.60	1.76	1.21			
2	0.69	0.63	0.74	1.82	8.27	8.22	9.74	8.01	4.29	2.56	1.73	1.19			
3	0.69	0.63	0.76	1.84	8.47	8.25	9.70	7.86	4.26	2.52	1.71	1.18			
4	0.69	0.63	0.81	1.85	8.73	8.33	9.61	7.70	4.15	2.49	1.70	1.16			
5	0.67	0.60	0.86	1.87	8.99	8.46	9.54	7.56	4.07	2.45	1.67	1.15			
6	0.57	0.61	0.88	1.88	9.28	8.61	9.51	7.42	3.99	2.42	1.65	1.14			
7	0.67	0.63	0.91	1.91	9.52	8.71	9.54	7.27	3.90	2.38	1.62	1.13			
8	0.67	0.66	0.94	1.93	9.69	8.88	9.61	7.13	3.83	2.35	1.60	1.10			
9	0.67	0.66	0.95	1.99		9.02	9.72	7.01	3.74	2.32	1.58	1.09			
10	0.67	0.65	0.97	1.99		9.25		6.83	3.67	2.29	1.55	1.08			
11	0.66	0.64	0.99	2.01		9.50		6.68	3.59	2.26	1.53	1.06			
12	0.66	0.64	1.04	2.00		9.69		6.55	3.52	2.23	1.51	1.04			
13	0.66	0.63	1.08	1.99				6.39	3.44	2.21	1.49	1.01			
14	0.64	0.63	1.12	2.01				6.23	3.39	2.18	1.47	1.00			
15	0.64	0.63	1.19	2.04				6.17	3.28	2.15	1.45	0.98			
16	0.63	0.63	1.21	2.07				6.06	3.25	2.12	1.44	0.98			
17	0.63	0.63	1.24	2.08				5.92	3.20	2.10	1.42	0.97			
18	0.62	0.63	1.29	2.09				5.82	3.15	2.07	1.41	0.95			
19	0.61	0.65	1.35	2.10				5.71	3.10	2.04	1.41	0.94			
20	0.59	0.67	1.43	2.12				5.60	3.04	2.01	1.38	0.93			
21	0.59	0.68	1.46	2.13			6.54	5.48	3.00	1.99	1.36	0.93			
22	0.59	0.69	1.55	2.16			6.52	5.37	2.94	1.98	1.35	0.91			
23	0.59	0.68	1.62	2.21			6.50	5.28	2.90	1.95	1.34	0.90			
24	0.59	0.68	1.69	2.29			6.39	5.17	2.87	1.93	1.33	0.89			
25	0.59	0.67	1.70	2.38			9.70	5.07	2.83	1.90	1.32	0.88			
26	0.59	0.68	1.72	2.47			9.50	4.97	2.78	1.88	1.30	0.87			
27	0.57	0.67	1.74	2.65			9.30	4.87	2.74	1.87	1.27	0.89			
28	0.59	0.69	1.77	2.86		9.68	9.04	4.78	2.69	1.84	1.26	0.89			
29	0.59	0.74	1.80	3.16		9.63	8.79	4.67	2.65	1.82	1.25	0.90			
30	0.61	0.75	1.80	3.28		9.75	8.49	4.60	2.62	1.79	1.23	0.90			
31	0.62		1.81	3.31		9.75		4.53		1.77	1.22				
MEAN	0.63	0.65	1.26	2.20	8.88	9.00	8.76	6.16	3.37	2.14	1.46	1.01	3.00		
MAX.	0.70	0.75	1.81	3.31	9.69	9.75	9.74	8.21	4.29	2.60	1.76	1.21	9.75		
MIN.	0.57	0.60	0.73	1.81	8.13	8.22	6.39	4.53	2.62	1.77	1.22	0.87	0.57		

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1975/76	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	81.5	75.5	84.8	214.8	833.4	2316.5	2886.6	2211.7	739.9	347.4	207.2	134.6			
2	80.4	75.5	85.4	216.7	877.0	2358.5	2863.7	2118.4	739.9	340.5	203.7	133.2			
3	80.4	75.5	86.8	219.4	906.4	2379.6	2840.9	2050.8	731.6	333.7	200.2	131.1			
4	80.4	75.5	92.4	220.3	936.1	2422.0	2818.2	1977.4	702.7	327.0	198.4	129.3			
5	79.0	72.8	96.6	223.1	1011.7	2443.4	2795.5	1916.1	681.5	320.3	195.0	127.9			
6	79.0	73.9	99.0	224.9	1073.6	2464.8	2772.9	1851.8	660.8	314.8	191.5	126.5			
7	79.0	75.7	101.8	229.6	1136.8	2507.9	2772.9	1788.6	635.6	308.3	188.1	125.5			
8	78.7	78.2	104.6	233.3	1185.0	2529.5	2750.4	1727.8	617.9	302.9	184.8	122.4			
9	78.7	78.4	106.2	241.9	1250.3	2551.3	2739.2	1679.4	597.3	296.5	181.4	121.0			
10	78.7	76.8	108.5	242.8	1300.1	2595.0	2728.0	1606.9	579.4	292.3	178.1	119.7			
11	78.2	76.5	110.4	244.8	1339.8	2661.1	2784.2	1544.4	559.5	286.0	175.7	117.6			
12	78.2	76.3	115.6	243.8	1436.4	2705.6	2840.9	1492.7	542.8	281.8	173.2	115.6			
13	78.2	75.5	119.7	242.8	1506.4	2728.0	2840.9	1432.5	524.3	277.7	170.0	112.0			
14	76.0	75.5	124.1	245.7	1595.7	2750.4	2840.9	1372.4	512.3	273.6	167.6	111.4			
15	76.0	75.5	133.2	250.6	1631.9	2795.5	2863.7	1349.6	488.2	267.5	165.2	109.4			
16	75.5	75.5	135.3	254.5	1742.5	2840.9	2886.6	1309.1	481.4	263.5	162.8	109.1			
17	75.5	75.5	139.0	256.5	1780.0	2863.7	2921.1	1258.3	470.6	259.5	161.2	108.5			
18	74.9	75.7	144.1	258.5	1798.8	2886.6	2932.7	1222.4	460.6	255.5	160.1	106.2			
19	73.3	76.8	152.4	260.5	1798.8	2909.6	2979.0	1182.8	448.8	249.6	159.3	105.0			
20	72.3	78.7	162.0	262.5	1798.8	2932.7	3002.3	1146.0	435.2	245.7	156.2	104.3			
21	71.5	79.5	166.0	265.5	1798.8	2955.8	3025.7	1104.6	427.5	241.9	153.1	103.7			
22	71.5	80.6	177.3	270.5	1836.8	3002.3	3025.7	1069.0	414.8	240.0	151.6	101.8			
23	72.3	80.1	188.1	277.7	1875.1	3025.7	3025.7	1037.9	407.3	236.2	150.8	100.9			
24	72.3	79.5	197.6	291.2	1933.0	3049.1	3002.3	1003.4	399.9	232.4	149.3	99.7			
25	72.3	78.7	199.3	308.3	2031.2	3049.1	2979.0	970.4	391.9	228.6	147.8	99.0			
26	71.5	79.5	201.1	324.8	2091.1	3025.7	2932.7	939.9	383.4	225.8	145.6	98.4			
27	70.4	78.7	204.6	357.8	2131.3	3002.3	2909.6	908.0	375.0	223.1	142.6	99.7			
28	71.5	80.9	209.0	398.0	2212.8	2979.0	2818.2	880.4	365.5	219.4	141.1	100.0			
29	72.3	85.1	213.0	462.6	2274.8	2955.8	2750.4	849.5	357.2	215.8	139.7	100.9			
30	73.3	86.6	213.0	487.5		2932.7	2683.3	827.2	352.6	212.1	137.5	101.2			
31	74.9		214.8	495.7		2909.6		808.6		209.5	136.1				
MEAN	75.7	77.6	144.7	281.5	1555.8	2759.0	2867.1	1375.4	516.2	268.7	166.9	112.5	845.8		
MAX.	81.5	86.6	214.8	495.7	2274.8	3049.1	3025.7	2211.7	739.9	347.4	207.2	134.6	3049.1		
MIN.	70.4	72.8	84.8	214.8	833.4	2316.5	2683.3	808.6	352.6	209.5	136.1	98.4	70.4		

[Discharge Rating Curve]: Q=25.626\*(H+1.085)^2

[Flow Regime (m3/s)]:

Q(95day):1333.8      Q(185day): 254.5      Q(275day): 115.6      Q(355day): 73.3

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1976/77	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.30		1.09	2.29	4.94	6.02	7.21	7.64	3.64	2.37	1.69	1.23		
2			1.09	2.29	5.09	6.11	7.13	7.31	3.57	2.34	1.67	1.21		
3			1.10	2.29	5.38	6.24	7.37	6.94	3.51	2.32	1.66	1.19		
4			1.12	2.26	5.63	6.36	7.42	6.69	3.44	2.30	1.64	1.18		
5			1.17	2.26	5.85	6.45	7.48	6.47	3.38	2.26	1.62	1.17		
6			1.19	2.23	6.22	6.57	7.50	6.30	3.32	2.23	1.58	1.16		
7			1.22	2.22	7.31	6.68	7.51	6.13	3.27	2.22	1.58	1.14		
8			1.26	2.21	6.47	6.83	7.58	5.99	3.22	2.20	1.57	1.12		
9			1.32	2.22	6.58	6.96	7.79	5.85	3.16	2.17	1.52	1.11		
10			1.35	2.25	6.65	7.12	8.01	5.68	3.12	2.13	1.52	1.10		
11			1.39	2.26	6.68	7.27	8.22	5.62	3.06	2.12	1.52	1.08		
12			1.45	2.26	6.64	7.45	8.48	5.50	3.03	2.10	1.50	1.07		
13			1.52	2.31	6.58	7.60	8.70	5.42	2.98	2.08	1.49	1.05		
14			1.60	2.34	6.49	7.77	8.78	5.30	2.96	2.05	1.49	1.04		
15			1.64	2.37	6.44	7.90	9.03	5.21	2.93	2.03	1.47	1.02		
16			1.66	2.40	6.42	7.96	9.13	5.11	2.88	2.01	1.46	1.01		
17			1.69	2.42	6.39	8.02	9.25	5.02	2.84	1.99	1.44	1.00		
18			1.73	2.48	6.29	8.02	9.44	4.93	2.81	1.97	1.41	0.99		
19			1.78	2.55	6.23	7.98	9.57	4.82	2.77	1.95	1.39	0.98		
20			1.81	2.61	6.14	7.97	9.64	4.73	2.73	1.93	1.37	0.97		
21			1.85	2.71	6.11	7.89	9.66	5.54	2.69	1.91	1.37	0.96		
22			1.87	2.85	6.00	7.82	9.63	4.54	2.66	1.89	1.37	0.95		
23			1.90	3.02	5.90	1.66	9.57	4.45	2.63	1.87	1.35	0.94		
24			1.96	3.29	5.85	7.45	9.48	4.36	2.60	1.84	1.34	0.94		
25			2.03	3.53	5.79	7.45	9.32	4.26	2.56	1.83	1.34	0.94		
26			2.10	3.72	5.81	7.27	9.16	4.15	2.52	1.81	1.32	0.94		
27			3.04	3.90	5.91	7.07	8.91	4.06	2.49	1.78	1.31	0.93		
28			2.14	4.04	5.98	6.90	8.70	3.97	2.46	1.76	1.30	0.92		
29			2.21	4.18		7.10	8.38	3.90	2.43	1.74	1.27	0.93		
30			2.26	4.43		7.13	8.02	3.79	2.40	1.73	1.25	0.93		
31			2.29	4.70		6.71		3.70		1.71	1.24			
MEAN	0.30		1.67	2.80	6.13	7.02	8.54	5.27	2.94	2.02	1.45	1.04	3.85	
MAX.	0.30		3.04	4.70	7.31	8.02	9.66	7.64	3.64	2.37	1.69	1.23	9.66	
MIN.	0.30		1.09	2.21	4.94	1.66	7.13	3.70	2.40	1.71	1.24	0.92	0.30	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1976/77	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	90.5	129.4	121.4	292.3	929.5	1293.6	1765.2	1948.7	572.7	306.1	198.0	137.1		
2	100.1	129.4	121.7	291.2	978.2	1325.9	1730.4	1805.6	554.4	300.8	195.0	135.3		
3	109.8	129.4	122.7	292.3	1070.0	1373.6	1832.0	1651.7	542.1	297.0	192.4	133.2		
4	119.6	129.4	124.1	287.0	1156.4	1422.0	1854.5	1549.3	524.3	292.8	190.3	131.4		
5	129.4	129.4	130.0	287.0	1233.2	1456.0	1878.5	1463.0	510.2	287.5	187.7	130.0		
6	139.3	129.4	132.8	280.8	1367.8	1501.0	1886.5	1398.8	496.4	281.8	182.7	128.6		
7	149.3	129.4	135.7	279.2	1806.9	1544.4	1891.9	1332.7	486.1	279.2	182.7	126.9		
8	149.3	129.4	140.8	278.7	1461.9	1604.4	1924.2	1283.6	475.3	277.2	181.0	125.1		
9	149.3	129.4	147.8	280.3	1504.6	1660.5	2018.8	1233.2	462.6	272.0	174.4	123.4		
10	149.3	129.4	152.0	284.4	1533.5	1726.5	2119.8	1174.3	453.4	265.5	174.4	122.0		
11	149.3	129.4	157.0	286.5	1543.2	1788.6	2220.4	1153.3	441.0	262.5	173.6	119.7		
12	149.3	129.4	164.8	287.5	1531.1	1865.1	2345.8	1111.8	433.9	259.5	171.6	118.7		
13	159.4	129.4	174.4	294.9	1505.8	1935.1	2451.6	1083.1	424.3	257.0	170.4	117.0		
14	159.4	129.4	185.2	300.8	1471.3	2010.5	2496.1	1043.9	419.8	252.1	170.0	116.0		
15	159.4	129.4	190.3	306.7	1451.3	2067.6	2622.5	1014.2	412.9	248.2	167.6	114.0		
16	159.4	129.4	192.4	310.5	1441.9	2098.6	2676.5	983.0	403.6	246.2	166.4	112.7		
17	149.3	139.3	197.1	314.8	1432.5	2122.7	2737.5	955.1	395.5	241.9	163.6	111.4		
18	149.3	139.3	203.7	325.3	1395.4	2125.5	2838.6	927.7	389.4	239.5	159.7	110.4		
19	149.3	139.3	210.8	337.7	1370.1	2105.6	2909.7	895.1	381.6	236.2	156.6	109.1		
20	149.3	139.3	215.3	349.7	1338.3	2101.4	2948.1	867.6	373.2	232.4	154.6	108.1		
21	149.3	139.3	220.8	368.4	1324.8	2064.8	2958.2	1125.2	365.5	230.0	154.6	107.2		
22	149.3	139.3	224.5	396.2	1288.0	2031.3	2944.7	811.3	359.0	226.8	153.9	106.2		
23	149.3	139.3	228.6	431.3	1250.6	192.4	2909.7	785.1	353.8	223.5	152.4	105.6		
24	139.3	149.3	237.6	489.5	1231.1	1867.8	2861.6	758.5	347.4	219.9	151.2	105.6		
25	139.3	149.3	249.1	546.4	1211.7	1865.1	2773.2	731.6	341.1	217.1	150.5	105.6		
26	139.3	159.4	260.0	591.3	1217.0	1788.6	2689.3	703.5	333.7	214.4	148.2	105.0		
27	129.4	159.4	435.2	637.2	1252.8	1702.3	2558.1	679.1	328.1	210.3	147.1	103.7		
28	129.4	159.4	266.0	672.7	1278.1	1632.9	2454.6	653.6	322.5	207.7	145.9	103.1		
29	129.4	159.4	278.2	711.7		1717.6	2296.7	636.4	317.0	205.0	142.2	104.0		
30	129.4	159.4	287.5	778.2		1729.1	2122.7	610.2	311.6	203.2	139.7	104.0		
31	129.4		291.7	858.5		1559.0		587.6		200.6	139.0			
MEAN	139.8	138.0	200.0	401.6	1342.0	1718.7	2390.6	1063.2	417.7	248.2	165.7	116.0	689.0	
MAX.	159.4	159.4	435.2	858.5	1806.9	2125.5	2958.2	1948.7	572.7	306.1	198.0	137.1	2958.2	
MIN.	159.4	159.4	435.2	858.5	1806.9	2125.5	2958.2	1805.6	554.4	300.8	195.0	135.3	90.5	

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$   
 [Flow Regime (m3/s)]:  
 Q(95day): 1156.4      Q(185day): 281.8      Q(275day): 149.3      Q(355day): 106.2

<<< MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1977/79	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.04	0.75	0.87	2.51	4.26	6.30	10.40	9.92	4.29	2.57	1.76	1.21		
2	0.04	0.75	0.93	2.60	4.22	6.40	10.67	9.74	3.93	2.54	1.73	1.20		
3	0.06	0.75	0.96	2.72	4.23	6.65	10.91	9.50	4.14	2.50	1.72	1.19		
4	0.06	0.75	0.96	2.93	4.23	6.03	11.12	9.21	4.06	2.46	1.70	1.17		
5	0.05	0.75	0.96	3.07	4.20	6.99	11.25	8.98	3.97	2.44	1.68	1.16		
6	0.05	0.75	0.97	3.17	4.15	7.10	11.34	8.67	3.88	2.40	1.66	1.15		
7	0.04	0.74	0.90	3.24	4.11	7.10	11.30	8.39	3.80	2.35	1.64	1.14		
8				3.24	4.09	7.35	11.41	8.15	3.71	2.32	1.61	1.12		
9	0.04	0.69	1.01	3.34	4.04	7.55	11.43	7.70	3.65	2.30	1.59	1.12		
10	0.04	0.69	1.09	3.30	4.04	7.88	11.44	7.40	3.59	2.27	1.57	1.10		
11	0.04	0.69	1.27	3.41	4.05	8.06	11.44	7.21	3.52	2.24	1.55	1.09		
12	0.02	0.69	1.31	3.47	4.05	8.16	11.42	6.98	3.47	2.21	1.52	1.08		
13	0.02	0.66	1.34	3.52	4.07	8.20	11.38	6.77	3.41	2.18	1.50	1.08		
14	0.01	0.66	1.42	3.53	4.10	8.20	11.37	6.67	3.36	2.15	1.50	1.06		
15	0.01	0.66	1.50	3.69	4.16	8.19	11.35	6.41	3.29	2.12	1.49	1.05		
16		0.66	1.52	3.81	4.24	8.20	11.32	6.23	3.24	2.10	1.46	1.05		
17	0.00	0.66	1.56	3.91	4.30	8.20	11.27	6.09	3.19	2.08	1.45	1.04		
18	0.00	0.66	1.29	4.13	4.36	8.25	11.23	5.96	3.12	2.06	1.44	1.04		
19	0.79	0.69	1.61	4.26	4.39	8.31	11.18	5.85	3.08	2.02	1.41	1.01		
20	0.00	0.72	1.68	4.45	4.44	8.31	11.15	5.68	3.02	2.00	1.41	1.01		
21	0.00	0.72	1.69	4.51	4.53	8.32	11.13	5.56	2.98	1.98	1.39	0.99		
22	0.79	0.72	1.70	4.59	4.63	8.38	11.04	5.43	2.94	1.95	1.35	0.99		
23	0.76	0.74	1.72	4.59	4.67	8.42	10.94	5.29	2.89	1.93	1.34	0.99		
24	0.75	0.75	1.79	4.57	5.00	8.50	10.95	5.17	2.85	1.90	1.32	0.96		
25	0.73	0.77	1.97	4.49	5.30	8.71	10.74	5.10	2.81	1.88	1.31	0.96		
26	0.72	0.75	2.01	4.45	5.64	8.87	10.63	5.00	2.76	1.87	1.29	0.96		
27	0.72	0.70	2.10	4.38	5.90	8.95	10.53	4.92	2.74	1.85	1.27	0.93		
28			2.22	4.35	6.14	9.26	10.42	4.76	2.69	1.83	1.26	0.90		
29	0.72	0.81	2.27	4.34		9.46	10.27	4.64	2.64	1.81	1.25	0.90		
30	0.73	0.83	2.31	4.33		9.71	10.04	4.54	2.61	1.79	1.23	0.90		
31	0.74		2.41	4.31			10.09		4.45		1.77	1.21		
MEAN	0.00	0.73	1.50	3.79	4.49	8.10	11.04	6.66	3.32	2.13	1.47	1.05	2.75	
MAX.	0.06	0.83	2.41	4.59	6.14	10.09	11.44	9.92	4.29	2.57	1.76	1.21	11.44	
MIN.	0.72	0.66	0.87	2.51	4.04	6.30	10.04	4.45	2.61	1.77	1.21	0.90	0.66	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1977/79	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	94.0	86.0	98.4	331.5	731.6	1396.5	3391.9	3106.0	741.6	342.2	206.8	135.0		
2	94.0	86.0	104.0	362.5	721.6	1467.8	3542.5	3002.0	644.2	326.0	203.7	133.5		
3	96.9	86.6	107.2	370.2	723.3	1533.5	3688.2	2913.0	698.6	329.2	201.5	132.1		
4	96.9	86.6	107.2	413.5	724.1	1604.4	3814.0	2716.6	670.3	322.5	199.4	130.0		
5	96.9	86.0	107.2	442.9	715.0	1670.6	3897.2	2597.3	654.4	317.6	195.0	129.3		
6	96.3	86.0	107.8	463.9	702.7	1716.3	3953.3	2436.3	632.5	311.0	193.3	128.3		
7	94.0	85.1	109.4	479.7	692.9	1751.0	3982.5	2290.2	611.7	302.8	189.0	126.9		
8	94.0	83.7	109.4	490.2	683.2	1821.4	4002.0	2184.2	589.3	297.6	186.5	125.1		
9	94.0	80.9	112.7	502.6	673.5	1909.4	4019.7	2011.0	574.9	293.0	183.1	124.1		
10		80.4	121.7	510.9	673.5	2057.8	4021.5	1879.8	559.5	288.1	180.2	122.7		
11	94.0	80.4	142.2	517.2	675.1	2141.2	4017.6	1763.9	544.2	283.9	177.3	121.0		
12	93.3	80.4	147.1	531.4	676.7	2190.0	4007.0	1665.5	531.4	277.7	174.4	120.3		
13	93.0	78.2	150.0	544.2	681.5	2200.0	3982.5	1579.8	517.2	273.6	171.6	119.7		
14	92.1	78.2	160.5	545.0	688.8	2208.0	3976.6	1540.8	506.1	268.5	171.6	117.6		
15	91.8	78.2	171.2	583.8	705.9	2205.9	3961.1	1438.3	491.6	263.5	169.6	117.6		
16	90.9	78.2	174.4	614.0	726.6	2207.4	3945.5	1372.4	479.7	260.5	166.4	117.0		
17	90.9	78.2	179.0	638.7	743.3	2208.0	3912.7	1318.1	460.6	257.0	164.0	116.0		
18				650.2	760.2	2235.0	3889.5	1271.5	452.7	253.5	162.0	115.8		
19	89.7	80.4	186.0	731.6	788.8	2261.4	3855.0	1232.1	444.9	247.7	160.1	112.0		
20	91.2	83.1	192.4	784.2	782.4	2261.4	3833.9	1172.2	431.3	243.0	159.9	112.0		
21	90.6	83.1	196.7	801.6	809.6	2265.8	3822.5	1130.4	423.6	240.0	156.2	110.4		
22	89.7	83.7	198.4	823.6	837.0	2284.9	3765.4	1086.2	414.0	236.2	153.1	110.4		
23	86.0	85.1	201.9	824.5	909.9	2314.5	3707.0	1041.9	404.0	233.3	150.0	110.4		
24	86.0	86.0	212.1	820.1	950.4	2353.2	3650.0	1003.4	396.8	227.7	148.2	107.2		
25	84.0	88.0	239.5	795.5	1045.9	2460.7	3582.2	979.1	388.2	225.8	146.7	107.2		
26	83.1	86.6	245.3	784.2	1159.6	2541.0	3514.1	940.5	379.7	224.5	144.0	107.2		
27	83.1	89.5	273.1	765.3	1249.5	2578.5	3459.5	924.8	374.4	221.2	142.2	104.0		
28	83.1	91.8	279.7	759.5	1338.5	2742.4	3389.0	874.9	365.5	217.8	141.1	100.9		
29	83.7	92.4	289.1	755.1		2840.4	3305.1	840.5	354.9	214.0	139.3	100.9		
30	84.0	93.9	295.4	750.9		2898.4	3173.4	812.1	349.7	212.1	137.9	100.9		
31	85.7		313.7	746.7			3203.0		794.2		209.5	135.3		
MEAN	90.0	84.0	176.7	610.7	905.4	2191.9	3750.3	1610.5	503.4	265.6	160.1	117.2	863.6	
MAX.	96.9	93.9	313.7	824.5	1339.5	3203.0	4021.5	3106.0	741.6	342.2	206.8	135.0	4021.5	
MIN.	83.1	78.2	90.4	331.5	673.5	1396.5	3173.4	704.2	349.7	209.5	135.3	100.9	78.2	

[Discharge Rating Curve]:  $Q=25.826*(H+1.005)^2$

[Flow Regime (m3/s)]:

Q(5day): 874.9      Q(10day): 322.5      Q(275day): 121.7      Q(365day): 80.9

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1978/79	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.95	0.98	1.53	4.71	5.87	9.40	6.39	5.91	3.35	2.30	1.73	1.31		
2	0.93	1.01	1.49	4.66	6.11	9.42	6.39	5.82	3.31	2.27	1.70	1.31		
3	0.91	1.04	1.81	4.63	6.33	9.67		5.72	3.25	2.24	1.69	1.30		
4	0.90	1.05	1.86	4.60	6.44	9.74		5.61	3.19	2.21	1.67	1.30		
5	0.88	1.08	1.89	4.58	6.55	9.72		5.51	3.15	2.19	1.66	1.29		
6	0.87	1.16	1.91	4.60	6.66	9.72		5.43	3.12	2.17	1.64	1.27		
7	0.86	1.23	1.93	4.60	6.72	9.72		5.32	3.06	2.16	1.63	1.25		
8	0.85	1.24	1.99	4.62	6.86	9.70		5.24	3.04	2.15	1.61	1.24		
9	0.85	1.26	2.01	4.62	6.99	9.64		5.13	3.02	2.12	1.60	1.23		
10	0.83	1.32	2.04	4.65	7.16	9.58		5.03	2.97	2.10	1.58	1.21		
11	0.82	1.40	2.07	4.69	7.30	9.55		4.94	2.91	2.08	1.55	1.19		
12	0.82	1.50	2.11	4.72	7.42	9.54		4.82	2.87	2.07	1.55	1.18		
13	0.82	1.53	2.24	4.79	7.52	9.48		4.72	2.84	2.04	1.54	1.17		
14	0.82	1.55	2.33	4.86	7.59	9.39		4.65	2.78	2.01	1.52	1.15		
15	0.83	1.58	2.49	4.92	7.67	9.39	9.74	4.54	2.76	2.01	1.49	1.13		
16	0.85	1.57	2.58	4.95	7.68	9.39	9.49	4.45	2.73	1.99	1.49	1.12		
17	0.85	1.61	2.79	4.97	7.87	9.41	9.14	4.35	2.70	1.96	1.47	1.11		
18	0.85	1.63	2.91	4.95	7.96	9.44	8.58	4.26	2.66	1.94	1.45	1.09		
19	0.84	1.70	2.98	4.95	8.12	9.46	8.42	4.16	2.63	1.94	1.44	1.07		
20	0.84	0.84	3.03	4.95	8.38	9.48	8.17	4.09	2.61	1.92	1.43	1.06		
21	0.83	1.77	3.26	4.92	8.54	9.50	7.80	4.02	2.56	1.90	1.43	1.05		
22	0.82	1.80	3.83	4.50	8.79	9.57	7.49	3.92	2.54	1.88	1.41	1.03		
23	0.82	1.82	4.15	5.11	8.93	9.69	7.19	3.86	2.51	1.84	1.40	1.02		
24	0.82	1.83	4.37	5.16	9.04	9.80	6.96	3.79	2.48	1.82	1.38	1.00		
25	0.82	1.84	4.49	5.24	9.10	10.01	6.69	3.73	2.45	1.81	1.37	0.99		
26	0.84	1.86	4.58	5.30	9.14	6.36	6.55	3.65	2.42	1.80	1.37	0.98		
27	0.85	1.87	4.63	5.33	9.20	6.35	6.40	3.61	2.40	1.79	1.37	0.97		
28	0.88	1.85	4.66	5.39	9.31	6.33	6.27	3.55	2.37	1.78	1.36	0.96		
29	0.91	1.70	4.69	5.45		6.32	6.16	3.49	2.34	1.77	1.34	0.95		
30	0.93	1.77	4.72	5.56		6.30	6.04	3.43	2.32	1.75	1.32	0.94		
31	0.95		4.73	5.70		6.29		3.38		1.74	1.31			
MEAN	0.86	1.48	2.97	4.92	7.69	8.95	7.44	4.52	2.79	1.99	1.50	1.13	3.71	
MAX.	0.95	1.87	4.73	5.70	9.31	10.01	9.74	5.91	3.35	2.30	1.73	1.31	10.01	
MIN.	0.82	0.84	1.49	4.50	5.87	6.29	6.04	3.38	2.32	1.74	1.31	0.94	0.82	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1978/79	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	106.5	109.8	175.7	860.3	1240.8	2815.6	3336.5	1252.8	504.7	293.3	202.4	147.1		
2	103.7	113.0	170.4	846.8	1327.1	2828.7	3385.5	1220.3	494.3	288.6	199.3	147.1		
3	102.4	115.6	215.3	836.1	1410.4	2961.5	3434.8	1184.9	480.7	283.9	197.1	146.3		
4	100.9	117.3	222.1	827.2	1451.3	3003.7	3434.8	1148.1	467.3	278.7	195.0	145.2		
5	99.0	120.0	226.8	823.6	1495.1	2993.5	3459.5	1115.9	460.6	275.6	192.8	144.5		
6	98.1	129.0	229.1	827.2	1537.1	2993.5	3459.5	1086.2	452.7	272.0	190.7	142.6		
7	97.2	137.1	232.9	828.9	1561.4	2991.8	3434.8	1050.9	441.0	270.5	189.0	139.7		
8	96.3	139.0	242.4	833.4	1616.8	2980.0	3434.8	1026.0	436.4	267.5	186.5	139.0		
9	95.7	140.8	245.3	833.4	1670.6	2948.1	3410.1	989.8	431.3	264.0	184.4	137.5		
10	94.2	148.2	249.6	842.3	1743.2	2914.7	3385.5	958.9	421.7	260.0	181.8	135.3		
11	93.3	157.7	254.5	854.0	1801.7	2898.0	3336.5	929.5	409.2	256.5	178.5	132.8		
12	93.3	171.6	262.0	863.0	1854.5	2893.1	3312.1	893.2	401.7	254.5	177.3	131.8		
13	93.3	175.7	283.4	884.0	1898.6	2860.0	3263.6	864.9	395.5	249.6	176.1	130.0		
14	93.3	178.5	299.2	906.2	1928.3	2810.7	3215.4	842.3	383.4	245.7	174.4	127.6		
15	94.2	182.7	328.1	924.8	1962.3	2810.7	3167.5	811.3	378.5	245.3	170.4	125.5		
16	96.3	180.6	343.4	934.3	1969.2	2810.7	3096.2	785.1	373.8	242.4	170.0	125.1		
17	96.3	185.6	384.6	939.0	2056.4	2822.1	3002.3	757.7	366.6	237.6	167.6	123.1		
18	96.3	189.0	409.2	934.3	2094.3	2840.2	2932.7	730.7	360.2	235.2	165.2	120.7		
19	94.8	198.9	423.6	932.4	2172.7	2848.4	2840.9	705.9	354.3	233.8	164.0	119.0		
20	94.8	94.8	434.5	932.4	2296.7	2860.0	2728.0	687.2	349.1	231.4	162.4	118.3		
21	94.2	208.6	484.1	923.0	2375.8	2873.2	2616.9	668.7	341.1	228.2	161.6	116.6		
22	93.3	213.0	617.9	800.7	2497.6	2909.7	2464.8	641.1	336.6	225.8	160.1	115.0		
23	93.3	215.8	703.5	982.0	2570.6	2973.3	2295.6	625.5	330.9	219.9	158.5	113.3		
24	93.3	218.5	761.9	999.5	2625.7	3035.9	2212.8	609.4	325.3	216.2	156.2	111.7		
25	93.3	219.4	796.4	1025.0	2657.4	3156.1	2111.2	594.3	319.8	215.3	154.6	110.1		
26	95.1	222.6	822.7	1045.9	2681.3	3148.5	2011.4	574.9	315.4	213.9	154.6	108.8		
27	96.0	223.5	837.8	1053.9	2710.2	3145.0	1972.1	565.3	307.8	211.2	154.3	108.5		
28	99.3	221.2	846.8	1074.0	2766.7	3140.4	1913.6	550.7	306.1	210.3	153.1	106.9		
29	102.4	198.9	855.8	1094.3		3140.6	1836.8	536.4	300.8	208.6	150.5	106.2		
30	104.0	208.6	864.9	1132.4		3139.8	1798.8	522.2	296.5	205.9	148.6	105.6		
31	106.5		866.7	1179.6		3139.4		511.6		204.1	147.1			
MEAN	97.1	171.2	454.5	928.2	1999.1	2621.9	2876.8	820.7	386.8	243.4	171.7	126.0	899.3	
MAX.	106.5	223.5	866.7	1179.6	2766.7	3156.1	3459.5	1252.8	504.7	293.3	202.4	147.1	3459.5	
MIN.	93.3	94.8	170.4	800.7	1240.8	1395.4	1798.8	511.6	296.5	204.1	147.1	105.6	93.3	

[Discharge Rating Curve]: Q=25.626\*(H+1.085)^2

[Flow Regime (m3/s)]:

Q(95day): 1132.4      Q(185day): 360.2      Q(275day): 170.4      Q(355day): 94.2

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1979/80	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.92	0.98	1.73	8.43	6.16	7.77				2.16	1.60	1.17		
2	0.91	0.99	1.78	8.94	6.14	7.64				2.15	1.59	1.16		
3	0.89	0.99	1.20	9.13	6.14	7.56				2.13	1.58	1.16		
4	0.88	1.00	1.85	9.30	6.17	7.51				2.10	1.55	1.16		
5	0.87	1.01	1.92	9.39	6.20	7.54				2.07	1.55	1.16		
6	0.85	1.01	1.99	9.40	6.26	7.58				2.06	1.54	1.12		
7	0.84	1.03	2.08	9.39	6.31	7.69				2.04	1.53	1.07		
8	0.84	1.04	2.23	9.34	6.32	7.81				2.02	1.51	1.07		
9	0.82	1.03	2.35	9.23	6.36	6.11				2.01	1.50	1.06		
10	0.81	1.08	2.42	9.11	6.40	8.02				1.98	1.50	1.06		
11	0.80	1.10	2.54	8.99	6.48	8.03				1.96	1.49	1.06		
12	0.79	1.14	2.51	8.83	6.56	8.01				1.94	1.47	1.05		
13	0.79	1.17	2.78	8.65	6.74	7.99			2.65	1.92	1.45	1.05		
14	0.80	1.19	2.93	8.47	6.96	8.05			2.62	1.91	1.44	1.05		
15	0.82	1.21	3.07	8.28	7.25	8.14			2.58	1.88	1.42	1.05		
16	0.82	1.26	3.26	8.09	7.51	8.28			2.53	1.87	1.41	1.04		
17	0.84	1.31	3.44	7.89	7.64	8.34			2.51	1.86	1.40	1.01		
18	0.85	1.33	3.67	7.64	7.77	8.40			2.49	1.84	1.38	0.98		
19	0.85	1.35	3.89	7.32	7.88	8.45			2.46	1.22	1.37	0.98		
20	0.86	1.37	4.08	7.01	7.89	8.52			2.44	1.81	1.35	0.98		
21	0.88	1.39	4.22	6.81	7.92	8.60			2.41	1.79	1.33	0.98		
22	0.88	1.46	4.38	6.55	7.97	8.70			2.39	1.77	1.31	0.97		
23	0.90	1.50	4.56	6.38	8.01	8.76			2.36	1.75	1.30	0.95		
24	0.91	1.52	4.69	6.26	8.03	8.81			2.33	1.73	1.29	0.94		
25	0.92	1.53	4.95	6.13	8.04	8.81			2.30	1.72	1.28	0.94		
26	0.92	1.56	5.16	6.10	8.04	8.73			2.27	1.70	1.26	0.93		
27	0.93	1.57	5.35	6.10	8.00	8.68			2.26	1.69	1.25	0.93		
28	0.95	1.60	5.72	6.07	7.96	8.50			2.23	1.67	1.23	0.91		
29	0.96	1.66	6.28	6.12	7.84	8.41			2.21	1.66	1.22	0.90		
30	0.96		7.08	6.16		8.44			2.19	1.64	1.20	0.88		
31	0.97		7.82	6.14		8.39				1.62	1.19			
MEAN	0.87	1.25	3.61	7.79	7.14	8.14			2.40	1.86	1.40	1.02	3.60	
MAX.	0.97	1.66	7.82	9.40	8.04	8.81			2.65	2.16	1.60	1.17	9.40	
MIN.	0.79	0.98	1.20	6.07	6.14	6.11			2.19	1.22	1.19	0.88	0.79	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1979/80	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	103.4	109.8	203.2	2321.9	1344.0	2007.7	2274.8	1541.9	652.9	270.0	185.2	130.4		
2	101.5	110.4	209.9	2575.3	1338.3	1952.8	2212.8	1506.4	639.6	268.0	183.5	129.0		
3	100.3	110.7	133.9	2673.3	1336.1	1914.8	2171.9	1453.8	626.3	264.5	181.4	129.0		
4	99.0	111.4	220.8	2761.8	1347.4	1894.6	2131.3	1436.4	613.1	259.5	178.5	129.0		
5	97.5	112.0	231.4	2812.3	1361.0	1908.0	2071.0	1384.7	600.0	255.5	177.7	128.6		
6	96.3	113.0	242.4	2818.9	1383.9	1925.6	2011.4	1316.9	587.0	254.0	176.1	124.8		
7	95.4	115.0	257.0	2813.9	1401.1	1973.3	1991.7	1300.1	574.0	250.6	174.8	118.7		
8	94.5	115.3	282.3	2782.9	1404.6	2028.5	1952.5	1266.9	561.1	247.7	172.4	118.7		
9	93.0	115.0	301.8	2726.2	1418.5	1327.1	1913.6	1233.9	548.3	244.8	171.6	118.3		
10	91.8	119.7	315.4	2665.4	1436.0	2124.1	1894.3	1185.0	548.3	240.4	170.8	118.0		
11	90.9	122.4	336.6	2598.9	1465.4	2126.9	1855.9	1152.8	510.4	237.6	169.6	117.6		
12	90.3	126.5	330.9	2520.8	1498.7	2119.8	1836.8	1120.9	497.9	234.7	166.8	117.3		
13	90.3	130.7	383.4	2428.7	1567.5	2112.7	1817.8	1120.9	357.8	231.9	165.2	117.0		
14	91.2	132.1	412.3	2338.3	1660.5	2136.9	1817.8	1089.3	350.9	230.0	162.8	117.0		
15	93.3	135.3	442.9	2245.2	1782.1	2179.9	1817.8	1058.0	343.4	225.8	160.9	116.3		
16	92.7	141.5	482.7	2155.5	1891.9	2245.2	1798.8	1027.1	334.9	223.5	158.9	115.3		
17	94.8	147.1	524.3	2062.0	1952.8	2274.6	1780.0	981.2	331.5	221.7	157.7	112.0		
18	96.3	149.3	580.1	1948.7	2010.5	2304.1	1780.0	951.1	328.1	219.4	156.2	108.8		
19	96.3	152.0	634.8	1812.2	2059.2	2330.8	1761.2	921.2	322.5	215.7	154.3	108.8		
20	97.2	154.6	684.8	1679.4	2066.2	2363.7	1761.2	891.6	317.6	214.4	152.4	108.8		
21	98.7	157.3	721.6	1595.8	2077.4	2401.4	1742.5	862.4	313.7	211.7	149.7	108.8		
22	99.3	165.6	766.2	1495.1	2101.4	2454.6	1742.5	833.4	308.8	209.0	147.4	107.8		
23	101.2	171.6	816.5	1427.8	2121.2	2485.3	1723.9	804.8	303.4	205.9	145.6	106.5		
24	102.4	173.6	854.0	1381.6	2131.2	2508.4	1705.3	776.5	298.1	203.7	144.1	105.6		
25	103.1	175.7	934.3	1332.7	2134.1	2511.5	1705.3	762.4	292.8	201.5	143.0	105.3		
26	103.4	179.4	999.5	1321.4	2132.6	2469.9	1686.9	748.5	289.1	198.9	141.1	104.0		
27	104.3	180.6	1060.9	1321.4	2114.1	2443.9	1650.1	734.6	286.0	197.6	139.7	103.7		
28	105.9	184.8	1184.9	1313.6	2094.3	2356.2	1631.9	707.1	281.3	195.0	137.5	102.4		
29	107.2	192.4	1389.6	1330.4	2042.4	2311.5	1613.7	693.4	278.7	192.8	136.4	101.2		
30	107.2		1708.6	1344.0		2326.4	1577.7	679.8	274.6	190.3	133.9	99.3		
31	107.8		2031.3	1336.1		2301.1		666.3		186.9	132.5			
MEAN	98.3	141.5	634.8	2062.6	1747.4	2187.8	1847.8	1039.0	419.1	223.3	159.0	114.3	889.8	
MAX.	107.8	192.4	2031.3	2818.9	2134.1	2511.5	2274.8	1541.9	652.9	270.0	185.2	130.4	2818.9	
MIN.	90.3	109.8	133.9	1313.6	1336.1	1327.1	1577.7	666.3	274.6	135.7	132.5	99.3	90.3	

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$

[Flow Regime (m3/s)]:

Q(95day): 1650.1      Q(185day): 350.9      Q(275day): 149.3      Q(355day): 95.4

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1980/81		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1		0.87	0.91	1.40	1.94		5.68	7.82	5.49	2.79	1.83	1.35	0.97			
2		0.87	0.91	2.03	1.97		5.69	8.09	5.37	2.76	1.81	1.34	0.96			
3		0.86	0.92	1.44	1.97		5.70	8.28	5.24	2.73	1.80	1.32	0.95			
4		0.85	0.92	1.46	1.99		5.71	8.50	5.13	2.70	1.78	1.31	0.94			
5		0.85	0.93	1.47	2.01		5.74	8.75	4.99	2.66	1.74	1.29	0.94			
6		0.85	0.94	1.48	2.03		5.77	9.24	4.83	2.62	1.73	1.28	0.94			
7		0.84	0.95	1.49	2.04		5.81	9.54	4.75	2.58	0.80	1.26	0.93			
8		0.84	0.96	1.52	2.06		5.87	9.51	4.68	2.54	1.69	1.25	0.93			
9		0.82	0.97	1.51	2.06		5.93	9.97	4.51	2.50	1.67	1.24	0.93			
10		0.81	0.96	1.52	2.08		6.02	10.07	4.41	2.46	1.66	1.23	0.93			
11		0.80	0.96	1.52	2.09		6.12	9.98	4.28	2.43	1.62	1.22	0.93			
12		0.79	0.98	1.54	2.11		6.23	10.07	4.20	2.39	1.61	1.20	0.92			
13		0.79	0.99	1.55	2.12		6.37	10.01	4.12	2.35	1.60	1.19	0.91			
14		0.78	0.99	1.56	2.12		6.55	9.82	4.01	2.30	1.59	1.17	0.90			
15		0.76	1.01	1.58	2.13		6.70	9.71	3.93	2.28	1.56	1.16	0.88			
16		0.76	1.01	1.58	2.21		6.80	9.47	3.86	1.35	1.54	1.14	0.87			
17		0.73	1.02	1.59	2.21		6.83	9.80	3.79	2.22	1.52	1.13	0.86			
18		0.73	1.04	1.59	2.20		6.75	8.85	3.73	2.18	1.51	1.12	0.85			
19		0.73	1.08	1.61	2.18	4.02	6.67	8.43	3.66	2.14	1.51	1.11	0.83			
20		0.75	1.11	1.64	2.17	4.37	6.64	8.03	3.59	2.12	1.50	1.09	0.82			
21		0.76	1.13	1.64	2.19	4.54	6.61	7.67	3.53	2.08	1.50	1.08	0.81			
22		0.75	1.15	1.64	2.21	4.79	6.62	7.47	3.46	2.06	1.47	1.07	0.79			
23		0.73	1.17	1.66	2.24	5.00	6.64	7.47	3.39	2.03	1.46	1.06	0.77			
24		0.75	1.19	1.68	2.30	5.21	6.71	7.03	3.33	2.01	1.46	1.04	0.76			
25		0.73	1.26	1.69	2.37	5.40	6.81	6.78	3.26	1.99	1.45	1.04	0.75			
26		0.76	1.29	1.69	2.42	5.54	6.91	6.42	3.19	1.96	1.43	1.02	0.75			
27		0.79	1.31	1.72	2.53	5.85	6.96	6.22	3.12	1.93	1.42	1.01	0.74			
28		0.81	1.32	1.75	2.62	5.69	7.10	6.02	3.06	1.90	1.41	1.01	0.73			
29		0.82	1.35	1.80	2.62		7.22	5.85	2.99	1.87	1.38	1.00	0.71			
30		0.85	1.38	1.87	2.61		7.38	5.64	2.92	1.86	1.37	0.99	0.70			
31		0.90		1.91	2.62		7.59		2.86		1.36	0.98				
MEAN		0.80	1.07	1.62	2.21	5.02	6.46	8.35	3.99	2.26	1.54	1.15	0.86	2.82		
MAX.		0.90	1.38	2.03	2.62	5.69	7.59	10.07	5.49	2.79	1.83	1.35	0.97	10.07		
MIN.		0.73	0.91	1.40	1.94	4.02	5.68	5.64	2.86	1.35	0.80	0.98	0.70	0.70		

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1980/81		[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1		98.4	101.8	158.1	235.2	626.3	1174.3	2031.3	1106.6	384.6	218.5	151.6	108.1			
2		97.8	102.4	248.2	238.5	666.3	1177.5	2155.5	1069.0	378.5	215.3	150.5	107.2			
3		97.2	102.8	163.6	239.5	679.8	1179.6	2245.2	1026.0	372.6	212.6	148.6	106.2			
4		96.3	103.4	166.4	242.4	707.1	1182.8	2356.2	989.8	367.2	209.9	146.7	105.6			
5		96.3	104.0	167.6	246.2	748.5	1192.4	2477.6	946.6	359.6	205.0	144.8	105.0			
6		96.3	105.0	168.8	248.2	790.6	1204.1	2729.5	897.8	350.9	202.8	143.4	105.0			
7		94.8	106.2	170.4	250.1	819.1	1217.0	2893.1	871.2	343.4	90.6	141.5	104.0			
8		94.5	107.5	173.6	253.0	833.4	1238.7	2876.5	851.3	336.0	197.1	139.7	104.0			
9		93.3	108.5	172.4	253.5	862.4	1260.5	3130.1	802.5	329.2	195.0	138.6	104.0			
10		92.1	107.2	173.6	256.0	862.4	1293.6	3187.3	774.8	322.5	192.4	136.8	104.0			
11		90.9	107.5	174.4	259.0	862.4	1330.4	3138.7	738.3	315.9	187.3	135.7	104.0			
12		90.3	109.1	176.5	261.0	877.0	1370.1	3190.8	715.8	308.8	185.6	133.9	103.1			
13		90.3	110.4	178.5	263.0	891.6	1424.3	3156.1	695.3	301.8	184.8	132.1	102.1			
14		88.9	110.7	179.8	263.0	921.2	1495.1	3049.5	665.5	292.8	183.1	130.4	100.6			
15		87.4	112.0	182.7	264.5	936.1	1552.9	2985.1	644.2	290.2	179.8	128.6	99.3			
16		87.1	112.4	182.7	278.2	981.2	1592.1	2856.7	627.1	152.0	176.5	126.9	98.4			
17		84.8	113.3	183.5	278.2	1027.1	1604.4	3035.9	610.2	279.7	174.4	125.5	96.9			
18		84.6	116.0	183.1	277.2	1058.0	1571.2	2531.7	593.6	273.1	172.0	124.8	95.7			
19		84.6	119.7	186.5	272.6	1120.9	1540.8	2318.9	577.1	267.0	172.0	123.4	93.9			
20		86.0	123.1	190.7	272.0	1168.9	1531.1	2129.8	560.9	263.5	171.6	121.7	93.0			
21		87.4	125.8	189.8	275.6	1201.2	1519.0	1962.3	545.0	257.5	170.8	119.7	91.8			
22		86.0	127.6	190.3	278.7	1266.9	1522.6	1874.5	529.2	253.0	167.6	118.7	90.3			
23		84.6	130.0	193.7	283.4	1333.8	1528.7	1874.5	513.7	248.6	166.4	117.6	88.6			
24		86.0	133.2	195.8	293.8	1436.4	1555.3	1685.7	498.5	245.3	165.6	115.6	87.4			
25		84.6	140.8	197.1	306.1	1506.4	1595.8	1585.9	483.4	242.4	164.4	115.3	86.6			
26		87.4	144.8	198.0	315.4	1559.7	1639.2	1441.9	468.6	237.6	162.0	113.3	86.0			
27		90.0	147.1	201.1	334.9	1595.7	1660.5	1366.7	454.0	232.4	160.5	112.7	85.1			
28		91.8	148.6	205.5	350.9	1613.7	1717.6	1293.6	439.7	228.2	158.9	112.0	84.0			
29		93.3	152.4	213.0	352.0		1766.5	1231.1	425.6	224.5	156.2	111.4	82.9			
30		96.3	155.8	223.1	349.1		1834.6	1158.5	411.7	221.7	154.3	110.1	81.7			
31		100.9		230.5	352.0		1928.3		398.0		153.1	109.1				
MEAN		91.0	119.6	187.7	278.8	1034.1	1464.5	2331.7	675.2	289.3	177.6	128.4	96.8	567.6		
MAX.		100.9	155.8	248.2	352.0	1613.7	1928.3	3190.8	1106.6	384.6	218.5	151.6	108.1	3190.8		
MIN.		84.6	101.8	158.1	235.2	626.3	1174.3	1158.5	398.0	152.0	90.6	109.1	81.7	81.7		

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$

[Flow Regime (m3/s)]:

Q(95day): 748.5      Q(185day): 215.3      Q(275day): 119.7      Q(355day): 86.0

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR: 1991/92		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	0.70	0.62	0.93	1.18	2.43	3.82	5.53	3.97	2.41	1.60	1.25	0.91				
2	0.68	0.62	0.95	1.25	2.45	3.92	5.39	3.93	2.35	1.66	1.23	0.90				
3	0.67	0.61	0.98	1.30	2.48	4.02	5.29	3.89	2.31	1.65	1.23	0.89				
4	0.66	0.60	0.98	1.38	2.50	4.14	5.17	3.83	2.28	1.63	1.21	0.87				
5	0.65	0.60	0.99	1.43	2.51	4.23	5.09	3.78	2.26	1.62	1.19	0.85				
6	0.64	0.59	1.01	1.46	2.51	4.34	5.02	3.73	2.23	1.60	1.17	0.85				
7	0.63	0.59	1.02	1.51	2.50	4.47	4.93	3.67	2.19	1.58	1.16	0.85				
8	0.63	0.59	1.05	1.57	2.49	4.61	4.84	3.62	2.16	1.57	1.16	0.84				
9	0.63	0.56	1.07	1.63	2.51	4.82	4.73	3.59	2.14	1.55	1.15	0.84				
10	0.62	0.55	1.08	1.70	2.54	5.03	4.64	3.52	2.11	1.53	1.14	0.83				
11	0.62	0.55	1.09	1.80	2.52	5.24	4.54	3.43	2.09	1.52	1.13	0.83				
12	0.62	0.55	1.10	1.87	2.66	5.50	4.45	3.40	2.06	1.51	1.12	0.82				
13	0.62	0.57	1.11	1.96	2.74	5.81	4.42	3.34	2.05	1.50	1.11	0.81				
14	0.62	0.58	1.11	2.04	2.79	6.04	4.40	3.28	2.01	1.48	1.10	0.80				
15	0.61	0.58	1.10	2.08	2.87	6.24	4.35	3.22	1.99	1.47	1.09	0.79				
16	0.61	0.60	1.10	2.09	3.00	6.42	4.33	3.15	1.99	1.46	1.07	0.79				
17	0.61	0.60	1.10	2.10	3.09	6.61	4.31	3.09	1.96	1.44	1.06	0.79				
18	0.62	0.62	1.10	2.10	3.14	6.70	4.30	3.03	1.93	1.43	1.05	0.79				
19	0.63	0.64	1.10	2.10	3.26	6.78	4.31	2.97	1.91	1.41	1.04	0.78				
20			1.08	2.10	3.35	6.80	4.31	2.91	1.89	1.40	1.04	0.78				
21	0.63	0.71	1.08	2.10	3.44	6.79	4.31	2.85	1.87	1.40	1.02	0.78				
22	0.62	0.75	1.09	2.09	3.54	6.75	4.29	2.79	1.83	1.38	1.01	0.77				
23	0.61	0.77	1.12	2.09	3.61	6.70	4.26	2.75	1.82	1.37	1.00	0.77				
24	0.61	0.80	1.13	2.09	3.62	6.61	4.24	2.72	1.81	1.35	0.99	0.77				
25	0.61	0.82	1.13	2.13	3.73	6.49	4.22	2.67	1.79	1.34	0.98	0.77				
26	0.62	0.85	1.14	2.17	3.74	6.36	4.15	2.62	1.77	1.32	0.97	0.69				
27	0.62	0.87	1.15	2.20	3.72	6.19	4.11	2.59	1.75	1.31	0.96	0.69				
28			1.16	2.23	3.74	6.07	4.06	2.54	1.73	1.30	0.94	0.67				
29	0.61	0.91	1.16	2.26	3.95	5.95	4.02	2.51	1.73	1.29	0.94	0.67				
30	0.62	0.92	1.15	2.30	4.02	5.82	4.00	2.46	1.71	1.27	0.93	0.65				
31	0.62		1.15	2.40	4.02	5.68		2.44		1.25	0.92					
MEAN	0.63	0.67	1.08	1.89	3.08	5.64	4.53	3.17	2.00	1.46	1.08	0.78	2.16			
MAX	0.70	0.92	1.16	2.40	6.42	6.80	5.52	3.97	2.41	1.68	1.25	0.91	6.80			
MIN	0.61	0.55	0.93	1.18	2.43	3.82	4.88	2.44	1.71	1.25	0.92	0.65	0.55			

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR: 1991/92		[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	81.5	74.9	104.3	131.0	316.5	616.3	1122.1	655.2	312.6	196.3	139.3	101.0				
2	80.1	74.7	106.5	139.7	319.9	641.1	1076.0	643.4	302.9	192.4	137.5	101.2				
3	78.7	73.3	109.0	146.3	325.3	668.7	1030.9	631.0	295.4	191.1	136.1	100.3				
4	77.6	72.5	109.1	156.2	329.0	699.4	1003.4	619.6	290.7	188.6	135.3	99.4				
5	76.8	72.5	110.7	161.6	332.0	724.1	976.2	606.4	287.5	187.3	132.1	98.3				
6	76.3	72.3	112.0	165.6	331.5	755.1	956.1	593.6	280.0	184.4	130.7	96.0				
7	75.5	71.5	113.3	172.4	329.2	789.4	927.7	578.8	274.6	182.3	129.7	95.7				
8	75.2	70.7	116.3	180.6	327.0	831.6	899.7	567.5	270.0	180.2	129.0	95.1				
9	75.2	69.4	119.0	189.0	330.4	885.1	867.6	556.6	267.0	178.1	129.3	94.5				
10	74.9	68.9	119.7	199.9	336.6	950.0	840.5	543.5	261.5	175.7	127.2	93.6				
11	74.9	69.7	120.7	213.0	345.7	1024.0	809.5	522.2	259.0	174.0	125.0	93.3				
12	74.9	69.7	122.4	223.5	359.6	1109.7	786.0	515.1	254.0	172.0	124.8	92.0				
13	74.9	69.9	123.1	237.6	374.4	1217.0	775.6	501.2	251.6	170.8	123.4	92.1				
14	74.7	70.7	123.4	249.6	384.6	1299.1	759.6	487.5	245.2	169.2	122.0	90.6				
15	73.6	71.2	122.7	257.0	401.7	1375.0	757.7	474.0	242.0	167.2	120.7	90.3				
16	73.6	72.5	122.0	259.0	427.5	1441.9	750.1	460.6	240.4	166.0	119.0	90.3				
17	73.9	73.1	122.0	259.5	445.5	1517.0	745.0	447.5	237.6	164.0	119.3	89.2				
18	74.7	74.4	122.0	260.5	457.3	1592.9	744.2	434.5	232.9	161.6	116.6	88.9				
19	75.2	75.3	122.0	260.5	482.7	1583.4	745.0	421.7	229.6	160.1	116.0	87.4				
20	75.7	77.6	120.3	260.5	506.0	1592.1	745.0	409.2	226.0	158.5	115.3	87.1				
21	75.2	82.9	120.0	260.0	525.7	1589.6	745.0	396.0	223.5	157.7	114.0	85.4				
22	74.4	86.3	121.7	258.0	547.1	1573.6	740.0	385.2	217.6	155.0	112.7	84.3				
23	73.6	88.3	124.1	256.0	564.6	1551.7	732.4	377.3	216.2	153.9	111.7	83.4				
24			25.5	259.0	1441.9	1516.6	725.7	371.4	214.4	152.0	110.1	82.3				
25	73.9	93.6	125.0	265.0	593.6	1471.3	719.9	360.0	212.1	150.5	109.0	81.7				
26	74.9	96.9	127.2	272.0	597.3	1422.0	701.0	351.4	209.5	148.2	109.1	81.2				
27	74.7	98.1	127.6	277.2	592.0	1355.3	691.3	345.1	207.7	146.7	108.9	80.1				
28	73.9	99.0	128.6	282.3	597.3	1310.3	679.1	336.6	203.7	145.6	105.6	79.0				
29	73.6	101.0	129.0	287.5		1267.1	667.1	330.4	202.4	143.7	105.0	78.7				
30						1222.4	661.6	323.5	200.2	141.9	104.0	77.1				
31	74.7		129.0	310.5		1173.3		317.6		140.0	103.1					
MEAN	75.3	79.5	120.2	239.4	461.5	1185.3	812.3	469.0	245.7	166.3	119.9	99.6	237.4			
MAX	81.5	103.1	129.0	310.5	1441.9	1592.1	1122.1	655.2	312.6	196.3	139.3	101.0	1592.1			
MIN	73.6	68.9	104.3	131.0	316.5	616.3	661.6	317.6	200.2	140.0	103.1	77.1	68.9			

[Discharge Rating Curve]: Q=25.626\*(H+1.095)^2

[Flow Regime (m3/s)]:

Q(95day): 401.7      Q(105day): 174.0      Q(275day): 103.1      Q(355day): 72.5



<< MASTER PROGRAM for 00-05(Normal Year):Daily River W/L & Discharge >>

*MIM*		ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1982/83		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	0.64	0.92	1.29	2.62	2.91	4.22	3.99	3.00	1.96	1.31	0.95	0.67					
2	0.64	0.93	1.36	2.65	2.99	4.19	3.94	2.96	1.93	1.30	0.93	0.67					
3	0.63	0.94	1.40	2.66	3.04	4.15	3.89	2.91	1.91	1.29	0.92	0.65					
4	0.61	0.95	1.43	2.65	3.11	4.11	3.85	2.87	1.79	1.27	0.92	0.64					
5	0.61	0.95	1.47	2.64	3.21	4.06	3.80	2.83	1.75	1.25	0.91	0.63					
6	0.60	0.95	1.52	2.59	3.25	4.01	3.83	2.80	1.73	1.24	0.90	0.62					
7	0.59	0.95	1.57	2.54	3.30	3.96	3.80	2.75	1.71	1.24	0.88	0.61					
8	0.59	0.97	1.62	2.49	3.34	3.93	3.80	2.72	1.69	1.23	0.88	0.61					
9	0.57	0.91	1.73	2.47	3.39	3.90	3.77	2.67	1.67	1.23	0.87	0.60					
10	0.59	0.92	1.81	2.46	3.42	3.87	3.73	2.63	1.65	1.22	0.86	0.59					
11	0.60	0.91	1.89	2.47	3.50	3.85	3.70	2.59	1.62	1.19	0.85	0.59					
12	0.59	0.90	1.94	2.49	3.55	3.81	3.67	2.55	1.60	1.17	0.84	0.57					
13	0.61	0.90	1.99	2.51	3.62	3.77	3.67	2.51	1.59	1.16	0.83	0.56					
14	0.61	0.87	2.04	2.53	3.70	3.75	3.62	2.48	1.56	1.15	0.82	0.55					
15	0.59	0.86	2.13	2.55	3.78	3.74	3.59	2.44	1.54	1.14	0.82	0.55					
16	0.59	0.89	2.24	2.60	3.88	3.75	3.56	2.37	1.52	1.13	0.82	0.54					
17	0.59	0.87	2.30	2.65	3.94	3.75	3.54	2.34	1.51	1.12	0.81	0.53					
18	0.59	0.87	2.33	2.68	3.98	3.75	3.50	2.30	1.49	1.10	0.80	0.52					
19	0.62	0.87	2.34	2.67	4.01	3.76	3.47	2.26	1.48	1.09	0.79	0.51					
20	0.64	0.93	2.37	2.67	4.04	3.79	3.44	2.23	1.47	1.08	0.77	0.51					
21	0.69	0.97	2.40	2.69	4.07	3.76	3.41	2.20	1.46	1.07	0.76	0.50					
22	0.72	0.99	2.41	2.73	4.11	3.77	3.37	2.17	1.44	1.06	0.75	0.49					
23	0.73	1.00	2.42	2.76	4.14	3.80	3.33	2.14	1.43	1.05	0.75	0.48					
24	0.75	1.01	2.43	2.80	4.17	3.89	3.30	2.11	1.41	1.04	0.74	0.48					
25	0.76	1.04	2.44	2.83	4.20	3.94	3.25	2.09	1.40	1.03	0.73	0.47					
26	0.77	1.11	2.44	2.87	4.23	3.97	3.21	2.04	1.38	1.01	0.73	0.46					
27	0.79	1.16	2.43	2.88	4.24	4.00	3.17	2.02	1.37	1.01	0.71	0.45					
28	0.79	1.19	2.44	2.89	4.25	4.02	3.12	2.00	1.35	1.00	0.70	0.44					
29	0.80	1.22	2.46	2.91		4.03	3.09	1.96	1.34	0.99	0.70	0.44					
30	0.80	1.24	2.50	2.90		4.04	3.03	1.92	1.33	0.97	0.69	0.44					
31	0.81		2.55	2.89		4.02		1.89		0.96	0.68						
MEAN	0.66	0.95	2.05	2.67	3.69	3.92	3.55	2.42	1.56	1.13	0.81	0.54	1.99				
MAX	0.81	1.24	2.55	2.91	4.25	4.22	3.98	3.00	1.96	1.31	0.95	0.67	4.25				
MIN	0.57	0.82	1.29	2.46	2.91	3.74	3.03	1.99	1.33	0.96	0.60	0.44	0.44				

*QM*		ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1982/83		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	76.5	93.0	144.5	350.9	409.2	721.6	656.8	426.8	222.1	147.4	105.9	79.0					
2	76.0	93.6	152.7	358.4	424.9	711.7	646.6	419.8	218.5	146.3	104.3	78.7					
3	75.2	95.4	157.7	368.2	437.1	703.5	633.3	409.8	214.4	144.0	103.7	76.0					
4	73.9	96.3	162.0	358.4	451.4	691.3	623.2	401.7	209.9	142.6	102.1	76.3					
5	73.3	96.3	167.6	356.1	472.6	679.1	620.2	393.7	206.3	139.7	102.1	75.7					
6	72.8	96.0	173.6	346.2	480.7	664.7	619.4	386.4	203.7	139.0	100.6	74.4					
7	72.0	96.3	180.2	336.6	492.3	652.1	620.2	377.3	200.2	138.2	99.3	73.6					
8	70.7	98.4	187.7	328.1	501.2	643.4	612.5	372.0	197.1	137.5	99.0	73.6					
9	70.2	102.4	202.4	323.1	512.3	635.6	604.9	361.3	195.0	136.8	98.1	72.5					
10	71.7	102.0	214.4	321.4	520.8	630.2	594.3	353.2	192.0	136.1	96.6	71.2					
11	73.1	101.8	226.8	324.2	538.5	624.8	586.1	345.1	189.1	132.1	96.3	71.0					
12	72.3	100.6	235.2	327.6	550.7	614.0	578.6	338.3	184.8	130.4	94.5	70.4					
13	73.6	99.0	241.9	331.5	567.5	603.4	570.6	330.4	182.3	129.0	93.9	69.4					
14	73.3	97.5	249.6	335.4	586.1	590.1	569.7	321.4	179.4	129.3	93.3	68.4					
15	72.3	96.9	264.5	338.8	606.4	595.8	560.2	312.6	176.9	126.9	93.3	68.1					
16	71.5	98.7	283.4	348.0	632.5	599.6	553.6	306.1	175.2	125.5	92.7	67.9					
17	71.5	98.1	292.8	356.7	647.3	599.6	547.9	300.0	172.0	124.1	91.8	67.1					
18	71.7	97.8	298.6	363.7	658.8	598.8	539.2	294.4	170.0	122.7	90.6	66.1					
19	74.1	98.4	308.8	361.9	665.5	601.9	531.4	287.5	168.4	121.7	89.7	65.4					
20	76.3	103.7	308.1	360.8	673.5	609.4	524.3	282.3	167.2	120.0	88.3	64.9					
21	80.1	107.8	311.6	366.0	691.5	600.3	517.2	277.2	165.6	119.7	87.4	64.4					
22	83.7	109.4	312.6	373.8	690.4	604.9	508.2	271.0	164.0	118.0	87.1	63.4					
23	84.8	111.4	314.8	379.1	699.4	617.9	499.8	267.0	162.0	116.6	86.6	62.3					
24	87.4	115.3	317.0	386.4	706.8	632.3	492.3	261.5	159.7	115.3	85.4	62.4					
25	87.4	115.3	318.1	392.5	715.0	640.1	482.1	256.5	159.1	114.3	84.6	61.7					
26	88.0	123.8	317.6	400.5	723.3	656.0	473.3	250.1	156.2	113.0	84.3	61.2					
27	90.3	129.7	316.5	403.6	726.6	662.4	463.3	246.7	154.3	112.0	82.3	60.2					
28	90.3	133.2	318.7	405.4	728.2	667.9	453.4	242.8	152.4	111.0	82.0	59.7					
29	90.6	135.7	322.5	408.5		670.3	445.5	237.6	150.5	109.8	81.7	59.7					
30	91.5	139.0	329.8	406.8		671.9	434.5	231.4	148.9	109.1	81.2	59.5					
31	92.1		337.7	404.8		667.1		226.8		106.9	80.1						
MEAN	78.3	106.8	256.8	381.8	509.3	641.2	552.3	317.4	179.8	126.2	92.3	68.2	278.9				
MAX	92.1	139.0	337.7	408.5	728.2	721.6	656.8	426.8	222.1	147.4	105.9	79.0	728.2				
MIN	70.2	93.0	144.5	321.4	409.2	595.8	434.5	226.8	149.9	106.9	80.1	59.5	59.5				

[Discharge Rating Curve]:  $Q=25.626*(H+1.095)^2$

[Flow Regime (m3/s)]:

Q(15day): 405.4      Q(105day): 100.1      Q(275day): 96.9      Q(365day): 64.9

<<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1983/84	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.44	0.54	0.68	1.51	4.01	8.08	6.20	3.98		1.37	0.91	0.63		
2	0.43	0.54	0.69	1.53	4.21	8.03	6.23	3.92		1.34	0.91	0.62		
3	0.42	0.54	0.69	1.57	4.42	7.97	6.26	3.87		1.32	0.90	0.61		
4	0.42	0.53	0.69	1.62	4.56	7.96	6.27	3.81		1.30	0.88	0.61		
5	0.41	0.53	0.70	1.66	4.78	7.97	6.28	3.75		1.28	0.88	0.59		
6	0.41	0.53	0.91	1.74	4.93	7.96	6.26	3.67		1.26	0.87	0.57		
7	0.40	0.52	0.85	1.76	5.10	7.90	6.20	3.61		1.23	0.85	0.55		
8	0.39	0.56	0.79	1.80	5.29	7.82	6.11	3.54		1.23	0.84	0.55		
9	0.39	0.57	0.80	1.83	5.43	7.77	5.98	3.47		1.22	0.83	0.54		
10	0.38	0.58	0.83	1.87	5.61	7.67	5.89	3.40		1.22	0.81	0.54		
11	0.37	0.58	0.84	1.93	5.74	7.57	5.81	3.31		1.20	0.80	0.53		
12	0.36	0.58	0.86	2.01	5.86	7.42	5.71	3.23		1.19	0.79	0.53		
13	0.36	0.58	0.86	2.03	5.99	7.40	5.62	3.15		1.17	0.79	0.52		
14	0.35	0.58	0.87	2.06	6.11	7.33	5.52	3.08		1.15	0.78	0.52		
15	0.35	0.59	0.87	2.13	6.21	7.27	5.39	3.00		1.14	0.76	0.52		
16	0.34	0.59	0.89	2.30	6.32	7.18	5.27	2.94		1.12	0.76	0.53		
17	0.35	0.59	0.92	2.44	6.48	7.10	5.14	2.85		1.11	0.75	0.52		
18	0.39	0.55	0.94	2.59	6.67	6.97	5.01	2.79		1.09	0.73	0.50		
19	0.38	0.56	0.98	2.75	6.83	6.85	4.89	2.73		1.08	0.73	0.49		
20	0.38	0.56	1.03	2.95	6.96	6.75	4.77	2.67		1.07	0.73	0.49		
21	0.39	0.58	1.09	3.11	7.18	6.69	4.67	2.62		1.06	0.71	0.49		
22	0.39	0.61	1.14	3.29	7.43	6.65	4.58	2.55		1.04	0.70	0.49		
23	0.39	0.62	1.20	3.44	7.61	6.65	4.50	2.49		1.02	0.69	0.48		
24	0.39	0.63	1.27	3.54	7.89	6.60	4.41	2.45		1.00	0.69	0.48		
25	0.40	0.66	1.33	3.67	8.01	6.54	4.33	2.39		0.99	0.67	0.47		
26	0.41	0.67	1.42	3.79	8.09	6.47	4.27	2.35		0.99	0.66	0.47		
27	0.45	0.66	1.45	3.86	8.12	6.40	4.21	2.30		0.97	0.65	0.46		
28	0.47	0.66	1.48	3.90	8.14	6.35	4.15	2.25		0.94	0.64	0.46		
29	0.49	0.66	1.50	3.90	8.12	6.27	4.09	2.20		0.93	0.64	0.45		
30	1.52	0.66	1.50	3.89		6.23	4.04	2.16		0.92	0.64	0.44		
31	0.53		1.49	3.93		6.19		2.12		0.91	0.64			
MEAN	0.40	0.59	1.02	2.59	6.28	7.16	5.27	2.99		1.12	0.76	0.52	2.59	
MAX.	0.53	0.67	1.50	3.93	8.14	8.08	6.28	3.98		1.37	0.91	0.63	8.14	
MIN.	0.34	0.52	0.68	1.51	4.01	6.19	4.04	2.12		0.91	0.64	0.44	0.34	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1983/84	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	59.3	67.4	80.1	172.8	666.3	2154.1	1358.7	656.8	164.5	153.9	102.4	75.2		
2	58.6	67.9	80.4	175.7	717.5	2126.9	1372.4	641.1	158.4	150.5	102.1	74.1		
3	58.1	67.6	80.6	180.6	776.5	2102.8	1382.7	628.6	139.3	148.6	100.6	73.6		
4	57.9	67.1	80.9	187.3	817.4	2095.7	1385.0	614.0	146.3	146.3	99.3	73.3		
5	57.4	66.9	81.5	193.7	880.4	2101.4	1389.6	598.8	138.3	143.4	99.0	72.3		
6	56.9	66.6	101.5	204.6	927.7	2097.2	1383.9	580.1	119.6	141.1	97.5	70.2		
7	56.2	66.4	96.3	207.7	980.1	2070.4	1358.7	565.3	118.6	137.9	96.3	68.1		
8	56.0	69.2	89.7	213.5	1042.9	2034.0	1324.8	549.3	115.6	137.1	95.1	68.1		
9	55.8	70.4	91.5	218.5	1089.2	2007.7	1280.3	532.1	100.1	136.4	93.6	67.9		
10	55.1	70.7	93.6	224.5	1148.1	1966.4	1245.2	515.1	91.4	135.7	92.4	67.4		
11	54.6	71.0	94.8	232.4	1192.4	1918.8	1217.0	495.0	85.7	133.9	91.2	67.1		
12	53.7	70.7	96.6	245.3	1234.3	1854.5	1182.8	477.3	75.3	132.1	90.3	66.9		
13	53.5	70.7	96.6	249.1	1282.5	1845.2	1151.2	459.3	64.9	130.0	90.3	65.9		
14	52.6	71.2	97.8	254.0	1324.8	1813.5	1116.9	443.6	54.7	127.9	89.2	65.9		
15	52.6	71.5	98.4	264.5	1362.1	1788.6	1076.0	428.1	44.5	126.5	87.4	66.4		
16	52.4	71.5	100.3	292.8	1404.6	1751.0	1035.9	414.2	20.9	125.1	87.1	66.6		
17	52.8	71.5	102.8	318.7	1465.4	1715.0	992.7	396.8	31.7	123.4	86.0	66.1		
18	55.5	68.9	105.0	346.2	1540.8	1664.3	952.3	384.0	29.9	121.7	84.6	64.4		
19	55.3	69.2	108.8	377.3	1604.4	1613.1	915.5	373.8	68.7	120.0	84.6	63.4		
20	55.1	69.4	115.0	416.7	1660.5	1573.6	878.5	360.8	53.7	118.7	84.3	63.4		
21	55.8	71.2	120.7	450.1	1749.7	1549.3	849.5	350.9	56.5	118.0	82.9	63.4		
22	55.8	73.3	127.2	490.2	1858.5	1532.3	822.7	338.3	51.9	115.6	81.7	63.4		
23	55.8	74.7	133.5	524.3	1936.4	1533.5	798.1	328.1	49.1	113.7	80.9	63.1		
24	55.8	75.7	141.9	549.3	2063.4	1513.0	774.8	320.9	42.7	111.7	80.4	62.4		
25	56.5	77.9	149.7	579.4	2119.8	1489.1	752.6	309.9	38.1	110.4	79.3	62.2		
26	57.2	78.7	160.5	610.2	2155.5	1464.2	735.8	302.4	42.7	110.1	78.4	61.7		
27	60.0	78.4	165.2	627.1	2169.8	1436.0	717.5	292.8	26.3	107.8	77.3	61.2		
28	61.7	78.4	168.8	636.4	2179.9	1415.0	701.0	284.9	28.1	105.3	76.3	61.2		
29	63.9	78.2	171.2	636.4	2172.7	1385.0	686.4	277.2	29.9	104.0	76.3	60.7		
30	65.6	77.9	171.6	633.3		1370.1	672.7	269.5	31.7	103.1	76.5	59.7		
31	66.6		170.4	644.2		1355.3		263.5		102.4	76.3			
MEAN	56.9	71.7	115.2	366.3	1431.8	1752.8	1050.4	433.9	74.0	125.6	87.7	66.2	465.8	
MAX.	66.6	78.7	171.6	644.2	2179.9	2154.1	1389.6	656.8	164.5	153.9	102.4	75.2	2179.9	
MIN.	52.4	66.4	80.1	172.8	666.3	1355.3	672.7	263.5	20.9	102.4	76.3	59.7	20.9	

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^{1.2}$

[Flow Regime (m3/s)]:

Q(95day): 636.4      Q(185day): 121.7      Q(275day): 71.2      Q(355day): 49.1

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1984/85	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.44	0.44	0.85	1.80	2.54	4.52	7.12	5.33	2.68	1.67	1.11	0.72		
2	0.42	0.45	0.85	1.83	2.58	4.55	6.99	5.21	2.63	1.64	1.09	0.71		
3	0.41	0.45	0.86	1.84	2.62	4.60	6.85	5.06	2.58	1.62	1.08	0.70		
4	0.41	0.45	0.88	1.86	2.71	4.69	6.73	4.95	2.54	1.59	1.06	0.70		
5	0.42	0.45	0.89	1.87	2.81	4.89	6.67	4.85	2.49	1.58	1.04	0.68		
6	0.41	0.47	0.92	1.89	2.92	5.05	6.72	4.69	2.45	1.55	1.04	0.67		
7	0.40	0.50	0.94	1.92	3.01	5.23	6.73	4.57	2.41	1.53	1.02	0.66		
8	0.40	0.52	0.97	1.94	3.11	5.44	6.76	4.48	2.37	1.51	1.01	0.65		
9	0.40	0.54	1.00	1.96	3.25	5.66	6.78	4.37	2.34	1.49	1.00	0.64		
10	0.40	0.55	1.02	1.99	3.41	5.89	6.82	4.25	2.29	1.48	0.99	0.63		
11	0.40	0.57	1.07	2.00	3.55	6.08	6.90	4.15	2.25	1.46	0.98	0.62		
12	0.40	0.60	1.09	1.99	3.67	6.28	6.97	4.06	2.22	1.44	0.96	0.62		
13	0.40	0.62	1.12	2.04	3.77	6.48	7.02	3.97	2.19	1.41	0.94	0.61		
14	0.40	0.63	1.15	2.11	3.98	6.60	7.05	3.89	2.15	1.40	0.93	0.59		
15	0.41	0.66	1.17	2.17	4.15	6.78	7.13	3.81	2.12	1.38	0.92	0.59		
16	0.41	0.66	1.19	2.21	4.26	7.05	7.22	3.72	2.09	1.37	0.91	0.59		
17	0.42	0.69	1.26	2.26	4.04	7.31	7.28	3.64	2.05	1.37	0.90	0.59		
18	0.42	0.69	1.31	2.31	4.38	7.45	7.29	3.56	2.02	1.35	0.88	0.59		
19	0.43	0.70	1.33	2.34	4.42	7.50	7.24	3.49	1.98	1.33	0.88	0.58		
20	0.43	0.72	1.41	2.36	4.46	7.48	7.15	3.42	1.95	1.31	0.87	0.56		
21	0.44	0.73	1.44	2.38	4.48	7.45	7.00	3.34	1.92	1.29	0.86	0.55		
22	0.44	0.75	1.49	2.39	4.48	7.30	6.84	3.26	1.90	1.27	0.84	0.54		
23	0.44	1.60	1.54	2.40	4.46	7.25	6.64	3.19	1.87	1.25	0.82	0.53		
24	0.43	0.80	1.56	2.41	4.44	7.13	6.46	3.12	1.84	1.23	0.81	0.52		
25	0.43	0.81	1.60	2.43	4.43	7.03	6.26	3.04	1.82	1.22	0.80	0.52		
26	0.43	0.82	1.64	2.44	4.45	7.05	6.10	2.98	1.79	1.21	0.79	0.52		
27	0.43	0.83	1.68	2.46	4.47	7.18	5.92	2.91	1.76	1.19	0.79	0.52		
28	0.43	0.84	1.72	2.47	4.49	7.25	5.92	2.86	1.74	1.17	0.76	0.52		
29	0.43	0.84	1.75	2.49		7.29	5.61	2.80	1.72	1.16	0.76	0.52		
30	0.45	0.84	1.77	2.50		7.32	5.48	2.75	1.70	1.14	0.74	0.50		
31	0.45		1.78	2.51		7.26		2.72		1.12	0.73			
MEAN	0.42	0.67	1.27	2.18	3.76	6.42	6.72	3.82	2.13	1.38	0.91	0.60	2.51	
MAX.	0.45	1.60	1.78	2.51	4.49	7.50	7.29	5.33	2.68	1.67	1.11	0.72	7.50	
MIN.	0.40	0.44	0.85	1.80	2.54	4.52	5.48	2.72	1.70	1.12	0.73	0.50	0.40	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1984/85	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	59.5	59.7	95.7	213.5	336.6	804.2	1724.0	1055.9	363.1	194.5	123.4	83.7		
2	58.3	60.0	96.0	217.6	343.4	814.8	1670.6	1016.2	353.2	190.7	121.7	82.9		
3	57.4	60.5	96.6	218.9	352.6	828.9	1614.3	967.6	344.0	188.1	120.0	81.7		
4	56.9	60.5	99.0	221.7	369.6	854.9	1565.1	934.3	336.0	183.9	118.0	81.5		
5	58.3	60.2	100.3	223.1	389.4	914.6	1540.8	901.5	327.0	181.4	116.0	80.1		
6	57.2	61.7	103.1	226.8	411.0	965.6	1561.4	854.0	320.9	178.1	115.3	79.3		
7	56.2	64.1	105.3	231.4	430.0	1021.1	1566.3	818.3	313.7	175.7	114.0	78.2		
8	56.2	66.1	107.8	234.3	450.7	1091.3	1577.3	792.9	306.1	172.4	112.4	77.3		
9	56.2	67.4	111.0	237.6	481.4	1167.0	1585.9	762.8	300.8	170.0	111.7	76.5		
10	56.2	68.4	113.7	241.9	518.6	1247.4	1601.9	728.2	291.7	168.0	110.4	75.7		
11	56.5	70.4	119.0	243.8	550.0	1317.0	1635.4	703.5	284.9	166.0	109.1	74.7		
12	56.5	73.1	121.7	242.4	579.4	1391.9	1664.3	679.1	279.7	163.2	107.2	74.1		
13	56.5	74.4	124.4	249.6	604.9	1467.8	1683.2	655.2	274.6	159.7	105.3	73.3		
14	56.7	75.7	127.6	261.5	656.8	1513.0	1697.2	633.3	269.0	158.1	104.0	72.3		
15	57.4	77.6	130.4	271.0	701.0	1583.4	1727.8	613.3	263.0	155.8	103.1	72.0		
16	57.4	78.4	132.1	278.7	731.6	1695.9	1769.1	592.0	258.0	154.6	102.1	71.5		
17	57.9	80.4	141.5	287.0	772.7	1805.6	1792.5	572.7	251.6	154.3	100.6	72.0		
18	58.3	80.6	146.7	295.4	766.2	1866.5	1797.8	553.6	247.2	152.0	99.3	72.0		
19	58.6	81.7	148.9	300.2	777.3	1889.2	1775.6	536.4	241.4	148.9	99.0	70.7		
20	58.8	83.1	159.7	303.4	786.8	1878.5	1736.8	520.8	236.6	146.7	97.5	69.4		
21	59.7	84.8	163.6	307.8	792.9	1865.1	1676.9	501.9	231.4	144.8	96.6	68.1		
22	59.7	86.6	169.6	309.4	792.9	1803.0	1610.6	483.4	227.7	142.2	95.4	67.4		
23	59.5	184.8	178.1	311.0	787.7	1782.1	1528.7	467.9	223.5	139.7	93.3	66.9		
24	58.6	90.6	179.8	313.2	782.5	1730.4	1457.1	453.4	219.4	137.9	92.1	66.1		
25	58.8	92.1	184.4	315.9	778.2	1689.5	1383.9	435.8	216.7	136.1	91.2	65.9		
26	58.6	93.0	190.3	318.7	784.2	1695.9	1321.4	424.3	212.1	134.6	90.3	65.9		
27	58.6	93.6	195.4	321.4	791.2	1752.3	1258.3	409.2	207.7	132.5	89.7	66.4		
28	58.8	94.5	201.1	324.8	795.5	1779.5	1258.3	398.0	204.6	130.7	87.4	66.4		
29	59.0	95.4	205.5	328.1		1797.8	1149.1	386.4	201.1	128.6	86.8	65.9		
30	60.2	95.1	209.0	329.2		1810.9	1104.6	376.2	198.4	126.9	85.4	64.1		
31	60.7		210.3	331.5		1786.0		370.8		125.1	84.6			
MEAN	58.0	80.5	144.0	274.5	614.8	1471.3	1567.9	632.2	266.8	156.2	102.7	72.7	451.7	
MAX.	60.7	184.8	210.3	331.5	795.5	1889.2	1797.8	1055.9	363.1	194.5	123.4	83.7	1889.2	
MIN.	56.2	59.7	95.7	213.5	336.6	804.2	1104.6	370.8	198.4	125.1	84.6	64.1	56.2	

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$

[ Flow Regime (m3/s) ]:

Q(95day): 572.7      Q(185day): 198.4      Q(275day): 91.2      Q(355day): 57.4

<<< MASTER PROGRAM for DD-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1995/96		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.50	0.37	0.50	0.93	2.36	4.00	10.49	4.90	2.50	1.57	1.00	0.77				
2	0.49	0.37	0.49	0.93	2.50	3.90	10.62	4.91	2.44	1.55	1.07	0.75				
3	0.40	0.30	0.49	0.94	2.64	4.01	10.77	4.94	2.39	1.53	1.05	0.75				
4	0.47	0.40	0.51	0.97	2.73	4.09	10.90	4.77	2.34	1.51	1.05	0.74				
5	0.47	0.42	0.52	1.01	2.70	4.17	10.00	4.70	2.30	1.50	1.04	0.73				
6	0.46	0.45	0.54	1.07	2.84	4.20	10.73	4.64	2.25	1.48	1.02	0.72				
7	0.46	0.48	0.55	1.19	2.99	4.24	10.63	4.57	2.20	1.46	1.01	0.71				
8	0.45	0.46	0.55	1.26	3.16	4.33	10.51	4.50	2.16	1.44	1.01	0.71				
9	0.44	0.48	0.55	1.31	3.21	4.42	10.36	4.41	2.12	1.42	0.99	0.67				
10	0.43	0.49	0.55	1.35	3.36	4.60	10.15	4.33	2.11	1.41	0.99	0.64				
11	0.42	0.50	0.57	1.37	3.46	4.76	9.92	4.25	2.09	1.40	0.97	0.63				
12	0.42	0.52	0.60	1.38	3.56	4.97	9.65	4.17	2.05	1.37	0.97	0.62				
13	0.41	0.53	0.62	1.40	3.65	5.13	9.32	4.09	2.02	1.36	0.96	0.62				
14	0.40	0.55	0.64	1.41	3.74	5.30	8.94	4.00	1.99	1.34	0.95	0.61				
15	0.39	0.55	0.66	1.42	3.85	5.50	8.51	3.91	1.96	1.33	0.94	0.61				
16	0.40	0.56	0.69	1.43	3.96	5.74	8.03	3.83	1.92	1.31	0.92	0.60				
17	0.39	0.59	0.72	1.43	4.04	6.00	7.67	3.73	1.90	1.30	0.91	0.59				
18	0.38	0.57	0.73	1.44	4.12	6.20	7.29	3.65	1.87	1.29	0.90	0.58				
19	0.37	0.56	0.73	1.44	4.19	6.40	6.93	3.54	1.84	1.28	0.89	0.57				
20	0.36	0.56	0.73	1.45	4.20	6.63	6.61	3.46	1.82	1.25	0.88	0.55				
21	0.37	0.55	0.73	1.46	4.16	6.87	6.36	3.37	1.80	1.24	0.87	0.54				
22	0.39	0.54	0.75	1.48	4.10	7.04	6.17	3.20	1.79	1.22	0.86	0.53				
23	0.42	0.52	0.77	1.49	4.04	7.25	5.96	3.19	1.77	1.21	0.84	0.52				
24	0.44	0.51	0.80	1.53	3.99	7.56	5.90	3.09	1.74	1.19	0.83	0.52				
25	0.43	0.49	0.82	1.53	3.92	8.00	5.63	3.01	1.70	1.19	0.82	0.52				
26	0.41	0.49	0.85	1.77	3.89	8.53	5.49	2.92	1.67	1.16	0.82	0.51				
27	0.40	0.49	0.87	1.89	3.92	9.30	5.37	2.84	1.64	1.15	0.81	0.52				
28	0.39	0.50	0.88	1.99	3.99	9.22	5.27	2.75	1.63	1.14	0.80	0.53				
29	0.38	0.50	0.93	2.04	4.07	9.57	5.16	2.69	1.61	1.12	0.79	0.52				
30	0.38	0.50	0.92	2.14	4.14	9.94	5.06	2.62	1.59	1.11	0.79	0.51				
31	0.37	0.50	0.92	2.25	4.21	10.24	4.96	2.56	1.57	1.09	0.78	0.51				
MEAN	0.42	0.50	0.69	1.44	3.55	6.19	8.17	3.79	1.97	1.32	0.92	0.61	2.45			
MAX	0.50	0.50	0.93	2.25	4.20	10.24	10.00	4.99	2.50	1.57	1.00	0.77	10.00			
MIN	0.36	0.37	0.49	0.93	2.36	3.99	5.06	2.56	1.59	1.09	0.78	0.51	0.36			

*QM* ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1995/96		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	64.6	53.9	64.1	104.0	303.4	652.4	3435.9	941.0	320.7	190.2	120.0	80.0				
2	63.6	54.4	63.4	104.0	329.9	650.4	3512.3	920.2	319.7	177.3	110.7	86.6				
3	62.6	54.0	63.6	104.6	355.5	664.7	3604.3	899.7	300.0	174.8	117.3	86.0				
4	62.2	56.2	64.9	108.1	372.6	687.2	3637.0	870.5	300.0	173.2	116.3	85.1				
5	61.7	59.3	66.1	112.4	382.0	700.4	3617.3	850.5	292.0	171.2	115.3	84.0				
6	60.9	60.2	67.6	119.0	394.9	716.6	3574.0	830.7	284.9	168.0	114.0	83.1				
7	60.9	62.9	68.4	121.1	424.3	728.6	3516.0	819.2	276.6	166.4	113.0	82.6				
8	60.0	61.4	68.4	140.0	461.3	750.1	3443.2	799.0	269.5	164.0	112.0	82.3				
9	59.5	62.6	68.4	146.7	472.6	779.9	3355.0	773.9	265.5	161.6	110.7	79.3				
10	59.0	63.4	68.9	152.0	507.5	827.2	3234.6	751.7	261.0	159.3	109.4	76.5				
11	59.0	64.6	70.4	155.0	529.2	874.9	3102.5	729.9	256.5	157.7	109.5	75.7				
12	57.9	66.1	72.0	156.2	552.9	930.0	2951.5	700.4	251.1	154.6	107.0	74.9				
13	57.2	67.1	74.4	159.1	574.9	999.0	2773.2	685.6	246.7	153.1	107.2	74.4				
14	56.5	68.1	76.0	159.3	597.3	1043.9	2575.3	662.4	241.9	151.2	106.2	73.9				
15	56.0	68.4	78.2	160.9	624.0	1111.0	2359.2	640.3	239.1	149.9	105.0	73.3				
16	56.2	69.7	80.9	162.0	651.3	1193.5	2126.9	617.9	232.9	147.1	103.4	72.5				
17	56.0	71.0	83.4	162.4	673.5	1295.0	1965.0	595.1	227.7	145.6	102.1	71.7				
18	55.1	70.4	84.6	162.0	693.7	1361.0	1795.2	574.2	223.6	143.0	100.9	70.7				
19	54.4	69.7	84.0	162.0	710.9	1434.0	1646.7	549.3	219.4	141.5	100.3	69.9				
20	53.5	69.2	84.3	164.4	715.0	1525.1	1518.0	529.5	216.7	140.0	99.3	68.9				
21	54.2	68.4	84.6	166.0	705.1	1620.5	1410.5	509.5	213.5	138.6	99.1	67.2				
22	55.0	67.6	86.0	168.0	688.0	1690.0	1347.4	488.2	211.2	136.4	96.9	66.9				
23	57.9	65.9	89.0	169.6	672.7	1779.5	1273.7	467.9	209.6	134.6	95.1	66.1				
24	59.5	65.1	98.7	175.2	656.0	1914.0	1216.0	447.5	205.0	132.5	93.8	65.9				
25	59.6	63.4	92.7	189.0	641.9	2114.1	1156.4	429.4	199.9	131.1	93.3	65.6				
26	57.4	63.6	96.6	200.6	624.0	2360.2	1106.6	411.0	195.0	129.7	93.0	65.1				
27	56.7	63.9	97.8	226.3	641.1	2555.0	1067.9	394.3	190.7	129.3	92.4	66.1				
28	55.0	64.4	99.0	242.0	659.2	2721.4	1034.9	377.3	189.6	126.5	91.2	66.9				
29	55.1	64.4	103.7	250.6	671.4	2911.4	999.5	365.5	186.0	124.0	90.3	65.9				
30	55.1	64.4	102.0	266.0	681.0	3112.9	966.6	352.0	183.5	123.4	89.7	64.9				
31	54.6	64.4	103.1	294.9	694.9	3297.4	934.0	340.5	181.7	121.7	89.2	64.9				
MEAN	57.9	64.1	80.0	166.9	550.1	1452.1	2311.1	624.4	241.4	140.6	103.6	74.0	407.7			
MAX	64.6	71.0	103.7	284.9	715.0	3297.4	3637.0	941.0	329.7	190.2	120.0	88.0	3637.0			
MIN	53.5	53.9	63.4	104.0	303.4	650.4	966.6	340.5	193.5	121.7	99.2	64.9	53.5			

[Discharge Rating Curve]: Q=25.626\*(H+1.005)^2

[Flow Regime (m3/s)]:

Q(6day): 574.2      Q(105day): 152.0      Q(275day): 74.4      Q(365day): 55.0

GRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1906/07		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1		0.49	0.99	2.10	3.01	4.35	7.32	6.45	4.47	2.54	1.70	0.69	0.90			
2		0.40	1.00	2.25	3.04	4.33	7.50	6.44	4.36	2.53	1.75	1.20	0.99			
3		0.47	1.00	2.20	3.44	4.34	7.05	6.43	4.25	2.51	1.73	1.27	0.90			
4		0.40	1.02	2.22	3.61	4.35	6.20	6.42	4.15	2.45	1.71	1.25	0.87			
5		0.40	1.05	2.25	3.76	4.42	6.43	6.39	4.05	2.40	1.69	1.24	0.86			
6		0.49	1.10	2.20	3.86	4.49	6.51	6.36	3.95	2.38	1.68	1.23	0.86			
7		0.50	1.12	2.32	3.70	4.59	6.64	6.32	3.89	2.35	1.66	1.21	0.86			
8		0.51	1.16	2.51	3.86	4.70	6.60	6.27	3.70	2.31	1.64	1.19	0.85			
9		0.52	1.19	2.60	3.90	4.86	6.61	6.25	3.70	2.29	1.62	1.18	0.85			
10		0.54	1.23	2.84	3.93	5.05	6.53	6.23	3.61	2.25	1.60	1.17	0.84			
11		0.56	1.26	3.00	3.66	5.29	6.42	6.18	3.51	2.23	1.58	1.16	0.82			
12				3.11	3.69	5.59	6.33	6.12	3.40	2.21	1.56	1.14	0.79			
13		0.50	1.34	3.17	3.73	5.73	6.26	6.05	3.35	2.19	1.55	1.14	0.70			
14				3.22	3.72	5.79	6.12	6.00	3.32	2.16	1.54	1.12	0.77			
15		0.50	1.44	3.23	3.87	5.84	7.94	5.90	3.20	2.13	1.52	1.11	0.75			
16		0.59	1.49	3.22	3.90	5.92	7.71	5.81	3.22	2.12	1.52	1.10	0.74			
17		0.62	1.54	3.23	3.90	6.15	7.56	5.71	3.15	2.10	1.51	1.09	0.73			
18			1.59	3.25	3.99	6.24	7.42	5.62	3.08	2.08	1.49	1.08	0.72			
19		0.70	1.65	3.25	4.03	6.34	7.32	5.54	3.00	2.07	1.47	1.07	0.71			
20		0.70	1.69	3.26	4.05	6.56	7.13	5.43	2.96	2.05	1.46	1.05	0.70			
21		0.72	1.72	3.24	4.09	6.90	7.02	5.34	2.92	2.02	1.44	1.04	0.70			
22				3.24	4.14	7.03	6.93	5.27	2.88	2.00	1.43	1.03	0.69			
23		0.77	1.77	3.26	4.18	7.11	6.82	5.17	2.84	1.99	1.41	1.01	0.69			
24		0.79	1.80	3.26	4.22	7.16	6.77	5.12	2.80	1.94	1.40	1.00	0.67			
25		0.79	1.82	3.28	4.25	7.16	6.66	5.01	2.77	1.91	1.39	0.99	0.67			
26		0.80	1.85	3.31	4.30	7.16	6.61	4.92	2.72	1.89	1.37	0.97	0.66			
27		0.82	1.88	3.35	4.33	7.17	6.59	4.82	2.69	1.86	1.36	0.96	0.65			
28		0.86	1.93	3.50	4.36	7.21	6.56	4.67	2.66	1.82	1.34	0.95	0.65			
29		0.88	1.98	3.70	4.54		6.51	4.50	2.63	1.81	1.33	0.94	0.64			
30		0.91	2.04	3.70	4.39		6.47	4.52	2.60	1.80	1.31	0.93	0.64			
31		0.95		3.70	4.37		6.46		2.57		1.31	0.91				
MEAN		0.65	1.47	3.02	3.90	5.78	7.54	5.71	3.31	2.15	1.52	1.09	0.76	3.07		
M		0.95	2.04	3.70	4.54	7.21	9.60	6.45	4.47	2.54	1.70	1.20	0.90	6.68		
MIN		0.47	0.99	2.10	3.44	4.33	6.46	4.52	2.57	1.80	1.31	0.69	0.64	0.47		

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1906/07		[DISCHARGE (m <sup>3</sup> /sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1		63.9	110.4	259.5	614.0	756.0	1809.6	1456.0	789.4	336.6	209.2	90.6	100.9			
2		62.9	111.0	287.0	621.7	752.6	1807.0	1452.4	759.4	334.3	205.3	143.4	100.0			
3		62.2	111.7	290.2	525.7	753.4	2045.2	1447.7	720.2	320.9	203.7	142.2	99.0			
4		62.4	113.3	279.7	565.3	757.7	2210.3	1441.9	701.8	320.9	200.6	139.7	99.1			
5		62.9	110.0	285.4	602.6	776.5	2320.4	1432.5	675.1	312.1	197.6	139.2	97.2			
6		63.6	122.7	280.2	625.5	797.3	2359.2	1419.7	640.9	300.3	195.4	136.8	96.9			
7		64.4	124.8	297.0	606.4	825.4	2424.1	1404.6	634.8	302.4	193.7	135.3	96.6			
8		64.9	129.0	332.0	625.5	858.5	2443.9	1387.3	605.4	296.0	190.7	133.2	95.3			
9		65.6	133.2	363.7	637.2	905.2	2409.0	1377.0	587.6	292.3	187.7	131.1	95.7			
10		67.6	136.8	395.5	645.0	963.7	2371.2	1370.1	563.9	285.4	185.2	130.0	94.5			
11		69.2	141.1	420.1	576.4	1042.9	2314.5	1351.9	539.9	281.9	182.3	128.6	92.7			
12		70.7	145.9	450.7	589.8	1140.9	2271.6	1331.6	515.1	278.7	179.0	127.2	90.3			
13		70.7	150.5	463.9	595.1	1191.3	2237.9	1304.7	503.3	274.6	178.5	126.5	89.5			
14		71.0	155.8	474.6	592.0	1212.7	2172.7	1284.7	488.4	270.5	176.5	124.9	88.0			
15		71.0	162.0	476.7	629.4	1227.9	2087.3	1251.7	487.5	265.5	174.4	123.0	86.6			
16		71.7	169.6	476.0	637.2	1258.3	1982.9	1217.0	474.0	263.0	173.6	122.0	85.7			
17		74.1	176.1	470.0	637.2	1341.7	1914.8	1181.0	460.6	260.0	172.0	121.7	84.8			
18		79.3	183.9	400.7	660.0	1375.8	1854.5	1153.3	441.0	257.5	169.6	120.0	83.7			
19		81.7	192.0	482.1	670.3	1413.9	1808.3	1124.1	428.1	255.0	167.2	119.7	82.6			
20		82.0	196.7	484.1	677.5	1537.1	1730.4	1096.2	418.8	251.6	166.0	117.3	81.7			
21		83.1	201.9	479.4	686.4	1635.4	1684.5	1057.9	411.0	247.2	163.6	116.0	81.5			
22		85.4	205.5	479.4	699.4	1685.7	1643.4	1033.9	402.3	243.3	161.6	114.3	80.9			
23		88.6	209.5	482.7	711.7	1721.4	1600.7	1001.5	394.3	240.4	159.7	112.7	80.1			
24		90.0	213.9	482.7	719.9	1740.7	1581.0	986.9	386.4	234.3	158.1	111.7	79.3			
25		90.3	216.7	480.9	729.1	1743.2	1537.1	951.3	380.4	229.1	156.2	110.1	78.7			
26		90.9	220.8	495.0	742.5	1743.2	1519.0	924.0	371.4	225.8	155.0	108.5	78.2			
27		93.0	225.8	503.3	751.7	1744.5	1510.6	892.3	364.9	222.1	153.5	107.5	77.3			
28				550.0	760.2	1763.9	1496.3	849.5	358.6	217.1	151.2	106.5	76.8			
29		99.3	240.9	606.4	811.3		1479.6	823.6	353.2	215.3	149.3	105.6	76.3			
30		102.1	249.6	606.4	769.8		1463.0	806.0	348.0	212.6	147.1	104.3	76.3			
31		106.2		606.4	763.6		1459.5		342.0		146.7	102.4				
MEAN		77.7	170.1	437.5	660.4	1238.1	1923.6	1192.5	502.4	260.0	174.6	120.7	97.5	587.3		
M		106.2	249.6	606.4	811.3	1763.9	2443.9	1456.0	789.4	336.6	209.9	143.4	100.9	2443.9		
MIN		62.2	110.4	259.5	525.7	752.6	1459.5	906.0	342.0	212.6	146.7	80.6	76.3	62.2		

[Discharge Rating Curve]:  $Q=25.626*(H+1.095)^2$   
 [Flow Regime (m<sup>3</sup>/s)]:  
 Q(1day): 752.6      Q(105day): 292.3      Q(275day): 129.0      Q(355day): 69.2

<< MASTER PROGRAM for DB-05(Leap Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1987/88	(WATER LEVEL (m))
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.64	0.60	0.60	1.16	2.91	5.30	7.57	4.79	2.69	1.75	1.10	0.02		
2	0.65	0.66	0.71	1.17	2.90	5.38	7.38	4.72	1.05	1.73	1.16	0.01		
3	0.67	0.65	0.75	1.19	3.06	5.30	7.01	4.63	2.54	1.71	1.16	0.01		
4			0.77	1.20	3.39	5.15	6.09	4.56	2.51	1.60	1.13	0.00		
5	0.72	0.61	0.00	1.21	3.43	5.09	6.75	4.50	2.45	1.66	1.12	0.79		
6	0.73	0.60	0.01	1.21	3.51	5.00	6.66	4.43	2.40	1.65	1.11	0.79		
7	0.73	0.59	0.02	1.21	3.57	5.00	6.50	4.30	2.37	1.02	1.09	0.79		
8	0.60	0.50	0.04	1.21	3.67	5.00	6.43	4.31	2.34	1.62	1.07	0.79		
9	0.67	0.50	0.75	1.21	3.82	5.03	6.32	4.22	2.34	1.61	1.05	0.79		
10	0.60	0.50	0.95	1.21	3.93	5.07	6.17	4.16	2.20	1.60	1.05	1.69		
11	0.70	0.50	0.97	1.26	4.06	5.21	5.97	4.00	2.25	1.50	1.04	0.70		
12	0.72	0.50	0.99	1.20	4.22	5.34	5.85	4.01	2.21	1.54	1.03	0.70		
13	0.73	0.50	1.01	1.20	4.42	5.55	5.74	3.93	2.19	1.50	1.02	0.70		
14	0.75	0.50	1.04	1.32	4.66	5.78	5.67	3.89	2.17	1.40	1.00	0.70		
15	0.76	0.50	1.06	1.37	4.86	5.90	5.56	3.83	2.13	1.46	0.99	0.70		
16			1.07	1.41	4.96	6.22	5.50	3.76	2.11	1.43	0.98	0.70		
17	0.79	0.50	1.07	1.44	5.05	6.45	5.43	3.69	2.00	1.41	0.97	0.70		
18	0.79	0.50	1.06	1.47	5.15	6.60	5.33	3.61	2.07	1.40	0.96	0.70		
19	0.76	0.50	1.05	1.50	5.17	7.06	5.34	3.55	2.05	1.30	0.95	0.77		
20	0.74	0.50	1.06	1.69	5.16	7.47	5.37	3.47	2.03	1.36	0.93	0.76		
21	0.73	0.50	1.07	1.71	5.13	7.03	5.39	3.40	2.04	1.35	0.91	0.70		
22	0.72	0.50	1.09	1.72	5.12	9.11	5.45	3.32	1.90	1.34	0.91	0.69		
23	0.72	0.50	1.10	1.73	5.14	9.49	5.40	3.24	1.96	1.32	0.89	0.69		
24	0.70	0.50	1.10	1.80	5.15	9.41	5.36	3.16	1.92	1.31	0.80	0.69		
25	0.70	0.60	1.11	2.01	5.16	9.40	5.32	3.09	1.91	1.30	0.87	0.69		
26	0.70	0.61	1.11	2.13	5.19	9.37	5.24	3.02	1.90	1.27	0.87	0.69		
27	0.70	0.62	1.11	2.15	5.22	9.31	5.17	2.97	1.95	1.25	0.85	0.60		
28	0.70	0.64	1.12	2.33	5.25	9.21	5.09	2.93	1.93	1.24	0.85	0.67		
29	0.69	0.64	1.13	2.56	5.29	9.00	5.01	2.89	1.79	1.23	0.84	0.67		
30	0.69	0.65	1.15	2.73	5.27	7.92	4.93	2.92	1.77	1.21	0.83	0.66		
31	0.69		1.15	2.80		7.72		2.78		1.19	0.82			
MEAN	0.71	0.60	0.90	1.61	4.44	6.54	5.85	3.75	2.11	1.44	0.90	0.70	2.47	
M	0.79	0.60	1.16	2.00	5.29	9.49	7.57	4.79	2.69	1.75	1.10	1.69	0.49	
MIN.	0.64	0.50	0.60	1.16	2.91	5.00	4.93	2.76	1.05	1.02	0.62	0.66	0.50	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1987/88	(DISCHARGE (m3/s))
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	76.3	79.0	79.0	129.0	409.2	1943.9	1918.0	884.9	365.5	206.0	131.1	93.0		
2	76.0	70.2	92.3	130.0	423.0	1031.0	1820.0	853.9	117.0	203.7	129.0	92.4		
3	70.7	76.0	86.6	132.1	439.7	1011.2	1679.4	933.4	336.6	200.6	129.0	91.0		
4	80.6	73.6	88.3	133.9	513.7	994.6	1629.2	915.7	330.9	195.4	125.0	91.5		
5	83.4	73.6	90.6	135.3	522.2	977.2	1573.6	790.1	320.9	193.7	125.1	90.3		
6	84.6	72.0	92.1	135.0	541.4	948.5	1537.1	700.0	311.6	191.1	123.1	90.3		
7	83.4	71.7	93.3	135.0	554.4	948.5	1507.0	764.5	306.7	113.7	121.7	90.3		
8	80.1	71.0	94.8	134.6	580.1	948.5	1447.7	746.7	300.9	196.9	119.3	90.3		
9	79.0	71.0	96.0	134.6	619.4	950.0	1403.5	721.6	300.9	198.5	117.3	90.7		
10				135.3	645.0	971.4	1349.6	705.1	290.2	195.2	116.3	190.0		
11	81.7	71.0	100.1	141.5	670.3	1016.2	1277.0	684.0	284.9	191.0	115.3	90.9		
12	83.4	71.0	110.7	143.7	720.0	1057.9	1233.2	664.7	270.7	178.1	114.3	90.2		
13	84.9	71.0	112.7	143.7	776.5	1127.2	1194.5	643.4	274.6	171.2	113.3	90.7		
14	86.0	71.0	115.3	140.2	846.0	1206.3	1169.1	633.3	271.5	169.2	111.7	90.0		
15	87.1	71.0	117.6	153.9	907.1	1279.2	1132.4	617.9	265.0	165.6	110.4	90.3		
16	80.0	71.0	118.7	159.3	937.1	1369.0	1111.0	602.6	262.0	162.4	109.4	90.0		
17	90.0	71.0	118.7	163.6	963.7	1453.6	1097.2	583.0	257.5	159.7	109.1	90.7		
18	90.0	71.0	118.0	167.2	994.6	1543.2	1055.9	565.3	255.0	150.1	107.3	90.2		
19	87.1	71.0	117.0	171.6	1002.4	1690.4	1050.9	550.0	252.6	155.4	106.2	90.0		
20			118.0	197.1	999.5	1874.5	1067.9	531.4	240.6	153.5	104.3	96.0		
21	84.6	71.5	119.0	200.6	989.0	2030.2	1076.0	515.1	249.6	152.4	102.4	91.7		
22	83.7	71.7	121.0	201.9	980.0	2168.4	1094.3	497.1	240.4	150.5	101.5	91.2		
23	83.4	72.0	122.0	203.2	983.7	2340.0	1079.1	479.4	237.6	140.6	100.0	90.9		
24	82.0	72.3	122.7	224.9	996.6	2311.5	1052.9	462.0	233.3	145.7	99.0	90.6		
25	81.7	72.5	123.4	245.7	999.5	2307.1	1050.9	447.5	229.6	145.2	99.4	90.6		
26	81.7	73.6	123.0	265.5	1000.3	2290.0	1024.0	432.6	225.0	142.6	97.5	90.4		
27	81.7	74.7	123.0	269.0	1019.1	2264.3	1001.5	421.1	221.2	139.7	96.3	79.5		
28	81.7	76.0	124.1	290.6	1030.0	2216.1	977.2	412.3	217.6	139.6	96.0	79.0		
29	81.2	76.5	125.5	340.5	1042.9	2151.2	952.2	404.2	211.2	137.1	95.4	70.7		
30	90.6	77.3	127.6	372.6		2080.2	920.6	390.7	209.5	135.0	94.2	70.2		
31	80.6		129.0	402.9		1927.0		370.5		133.2	93.3			
MEAN	82.9	72.9	110.2	191.9	799.0	1936.2	1250.4	607.5	263.6	164.1	110.1	90.4	430.1	
M	90.0	79.0	129.0	402.9	1042.9	2340.0	1910.0	884.9	365.5	206.0	131.1	190.0	2340.0	
MIN.	76.3	71.0	79.0	129.0	409.2	948.5	920.6	370.5	117.0	113.7	93.3	70.2	71.0	

[Discharge Rating Curve]: Q=25.626\*(H+1.095)^2

[Low Regime (m3/s)]:

Q(5day): 633.3      Q(105day): 155.4      Q(275day): 90.6      Q(355day): 71.0

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*		ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1999/00		[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.66	0.65	1.19	2.12	5.19	7.90	9.55	9.70	4.12	2.57	1.73	1.21				
2	0.65	0.65	1.19	2.13	5.17	7.92	9.60	9.53	4.15	2.55	1.71	1.19				
3	0.64	0.70	1.19	2.14	5.15	7.92	9.67	9.41	4.19	2.51	1.70	1.19				
4			1.10	2.30	5.15	7.86	9.23	9.34	4.22	2.47	1.69	1.16				
5	0.62	0.73	1.10	2.44	5.13	7.70	9.31	9.14	4.05	2.42	1.66	1.16				
6	0.61	0.73	1.18	2.45	5.13	7.70	9.35	7.62	3.95	2.40	1.64	1.14				
7	0.59	0.75	1.19	2.47	5.17	7.59	9.40	7.59	3.92	2.37	1.62	1.12				
8			1.19	2.49	5.23	7.40	9.43	7.36	3.73	2.34	1.61	1.11				
9	0.57	0.77	1.22	2.62	5.27	7.41	9.49	7.16	3.67	2.31	1.59	1.10				
10			1.24	2.76	5.27	7.41	9.49	7.01	3.61	2.29	1.59	1.10				
11	0.55	0.87	1.27	2.79	5.31	7.41	9.56	6.99	3.51	2.25	1.57	1.09				
12	0.55	0.91	1.34	2.84	5.36	7.41	9.70	6.79	3.42	2.22	1.54	1.07				
13	0.56	0.91	1.43	3.23	5.45	7.44	9.91	6.60	3.49	2.20	1.51	1.06				
14	0.57	0.91	1.46	3.39	5.52	7.51	10.03	6.55	3.43	2.19	1.49	1.05				
15	0.57	0.94	1.41	3.59	5.77	7.57	10.10	6.43	3.21	2.19	1.47	1.04				
16	0.55	0.94	1.54	3.90	5.94	7.66	10.13	6.34	3.11	2.13	1.46	1.02				
17	0.55	0.96	1.59	4.01	6.09	7.78	10.20	6.23	3.10	2.07	1.45	1.01				
18	0.53	0.98	1.61	4.12	6.32	7.86	10.24	6.10	3.07	2.05	1.43	0.99				
19	0.53	1.01	1.66	4.24	6.50	7.93	10.27	5.97	3.04	2.03	1.41	0.99				
20	0.53	1.04	1.72	4.32	6.67	8.01	10.27	5.86	2.98	2.01	1.40	0.99				
21	0.52	1.07	1.80	4.42	7.00	8.01	10.23	5.71	2.94	1.99	1.39	0.97				
22	0.52	1.09	1.92	4.50	7.21	7.99	10.16	5.52	2.92	1.95	1.38	0.96				
23	0.52	1.11	1.86	4.77	7.35	7.96	10.07	5.39	2.86	1.91	1.35	1.01				
24	0.53	1.12	1.90	4.72	7.53	7.99	9.97	5.26	2.82	1.89	1.34	0.91				
25	0.55	1.13	1.94	4.85	7.65	8.00	9.85	4.95	2.79	1.86	1.33	0.91				
26	0.56	1.13	1.99	4.97	7.76	8.02	9.65	4.85	2.75	1.86	1.32	0.91				
27	0.57	1.14	2.02	5.04	7.90	8.05	9.46	4.72	2.71	1.85	1.30	0.90				
28	0.58	1.15	2.06	5.11	7.99	8.15	9.29	4.60	2.69	1.83	1.27	0.89				
29	0.59	1.17	2.09	5.17		8.29	9.11	4.46	2.62	1.82	1.25	0.88				
30	0.60	1.17	2.10	5.10		8.42	9.93	4.31	2.59	1.80	1.23	0.87				
31	0.62		2.11	5.19		8.49		4.22		1.76	1.22					
MEAN	0.57	0.92	1.57	3.69	6.12	7.93	9.62	6.25	3.32	2.13	1.47	1.03	3.32			
MAX	0.66	1.17	2.11	5.18	7.99	8.49	10.27	9.70	4.22	2.57	1.73	1.21	10.27			
MIN.	0.52	0.65	1.16	2.12	5.13	7.41	9.55	3.61	2.59	1.76	1.22	0.97	0.52			

*QM*		ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1999/00		[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	77.6	76.0	132.1	263.5	1006.3	2070.4	2378.9	2454.6	693.7	342.2	203.2	135.0				
2	77.1	79.4	132.5	264.5	1001.5	2080.2	2401.4	2371.2	703.5	337.7	199.7	133.2				
3	76.3	91.7	132.5	267.0	996.6	2077.4	2439.4	2309.6	713.2	330.4	198.4	131.1				
4	76.0	93.4	131.4	293.3	995.6	2052.2	2724.6	2274.6	722.4	324.2	195.9	129.3				
5	74.7	94.0	131.1	319.7	990.0	2013.2	2769.9	2179.9	676.7	315.4	193.7	129.6				
6	73.3	84.3	129.3	320.9	989.9	1977.4	2791.1	1941.9	640.9	311.6	190.7	126.9				
7	72.3	96.0	131.1	323.1	1001.5	1929.3	2935.6	1929.3	616.3	306.7	190.1	125.1				
8	71.2	87.4	133.2	325.9	1021.1	1991.2	2932.0	1929.0	595.1	300.2	186.5	123.4				
9	69.9	80.0	135.7	351.4	1035.9	1947.9	2964.9	1743.2	580.1	295.4	183.5	122.4				
10	69.9	92.7	139.6	379.1	1035.9	1947.9	2969.2	1679.4	565.3	290.2	182.3	122.0				
11	69.4	97.5	142.6	394.6	1046.9	1947.9	2901.4	1529.2	542.1	284.4	180.6	121.0				
12	69.4	102.4	150.8	395.5	1064.9	1947.9	3027.4	1500.4	530.0	280.3	176.1	119.3				
13	69.2	102.4	162.0	477.3	1095.4	1983.0	3035.7	1543.2	536.4	276.6	172.4	117.6				
14	69.9	102.4	165.6	510.2	1153.3	1991.9	3164.7	1495.1	523.2	275.1	170.0	116.6				
15	69.9	104.6	160.1	558.0	1203.1	1921.5	3204.0	1447.7	472.6	273.1	167.6	115.3				
16	69.9	105.6	176.9	635.6	1266.0	1959.6	3225.9	1412.7	450.7	264.5	166.9	114.0				
17	69.1	107.2	181.0	664.7	1319.1	2003.5	3260.9	1370.1	449.4	255.0	164.4	112.4				
18	67.1	79.0	185.0	695.3	1406.9	2049.4	3209.2	1321.4	442.9	252.1	162.0	110.4				
19	66.6	113.0	193.3	725.7	1513.0	2080.2	3301.6	1275.9	435.0	249.1	160.1	109.0				
20	66.6	115.6	201.9	749.2	1539.5	2119.4	3301.6	1130.4	423.0	244.0	158.5	109.0				
21	65.9	119.0	213.0	776.5	1675.9	2121.2	3270.6	565.3	414.9	240.0	158.2	109.5				
22	65.9	121.0	231.0	829.9	1761.3	2109.5	3239.1	1049.9	404.0	236.2	153.1	107.2				
23	66.4	123.1	222.1	879.5	1821.4	2097.2	3190.8	1011.2	399.6	230.5	151.6	112.4				
24			7.2	864.9	1901.3	2104.2	3130.1	967.6	390.7	226.8	150.9	102.4				
25	60.1	125.5	234.7	904.3	1955.5	2114.1	3061.4	933.3	383.4	225.4	149.7	102.4				
26	69.2	125.0	242.4	939.0	2004.9	2122.7	2951.5	901.5	377.2	221.7	147.0	102.1				
27	69.9	126.9	247.2	962.0	2057.0	2139.0	2951.7	864.9	368.4	220.3	145.2	100.9				
28	70.7	127.9	253.5	992.0	2066.2	2197.1	2750.6	829.0	362.5	217.6	142.6	100.0				
29	71.7	130.0	259.5	1001.5		2252.6	2665.4	796.0	351.4	216.2	139.7	99.0				
30	72.0	130.7	260.5	1006.3		2313.0	2570.6	746.7	345.1	213.0	137.5	97.5				
31	74.4		261.5	1006.3		2351.0		719.9		207.2	136.1					
MEAN	70.4	104.3	193.9	614.7	1354.5	2041.0	2945.2	1429.0	503.6	266.6	160.1	115.1	610.0			
MAX	77.6	130.7	261.5	1006.3	2066.2	2351.0	3301.6	2454.6	722.4	342.2	203.2	135.0	3301.6			
MIN.	65.9	76.9	129.3	263.5	990.0	1947.9	2379.9	565.3	345.1	207.2	136.1	97.5	65.9			

[Discharge Rating Curve]: Q=25.626\*(H+1.095)^2

[Flow Regime (m3/s)]:

Q(5day): 1153.3      Q(105day): 900.2      Q(275day): 131.1      Q(355day): 60.4

<<< MASTER PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1989/90	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.86	0.85	0.83	1.43	2.65	3.44	2.80	4.55	2.52	1.66	1.21	0.89		
2	0.85	0.85	0.82	1.48	2.78	3.39	2.89	4.50	2.49	1.65	1.20	0.87		
3	0.85	0.85	0.80	1.43	2.83	3.32	2.97	4.44	2.45	1.63	1.19	0.86		
4	0.85	0.85	0.79	1.56	2.93	3.28	3.06	4.37	2.40	1.61	1.17	0.85		
5	0.85	0.85	0.79	1.58	3.02	3.22	3.16	4.29	2.34	1.59	1.16	0.83		
6	0.84	0.85	0.80	1.60	3.04	3.15	3.26	4.21	2.33	1.58	1.15	0.81		
7	0.83	0.84	0.81	1.62	3.10	3.09	3.42	4.13	2.29	1.56	1.14	0.80		
8	0.83	0.84	0.83	1.63	3.19	3.00	3.53	4.07	2.25	1.55	1.12	0.80		
9	0.83	0.84	0.84	1.67	3.25	2.95	3.60	4.02	2.22	1.52	1.11	0.78		
10	0.84	0.83	0.85	1.69	3.31	2.92	3.92	3.95	2.19	1.51	1.10	0.77		
11	0.85	0.83	0.86	1.71	3.40	2.83	3.99	3.89	2.16	1.49	1.09	0.76		
12	0.86	0.82	0.89	1.73	3.45	2.85	4.12	3.77	2.13	1.48	1.08	0.75		
13	0.85	0.82	0.92	1.76	3.48	2.84	4.20	3.67	2.10	1.46	1.07	0.74		
14	0.85	0.83	0.90	1.78	3.51	2.84	4.30	3.58	2.07	1.44	1.06	0.73		
15	0.85	0.83	0.88	1.81	3.51	2.83	4.42	3.51	2.03	1.44	1.05	0.72		
16	0.85	0.82	0.89	1.84	3.57	2.81	4.50	3.46	2.00	1.42	1.05	0.70		
17	0.85	0.80	0.93	1.89	3.61	2.71	4.60	3.34	1.98	1.41	1.04	0.70		
18	0.86	0.79	0.98	1.94	3.65	2.64	4.99	3.31	1.96	1.39	1.03	0.69		
19	0.88	0.79	1.03	1.99	3.61	2.60	5.04	3.27	1.93	1.38	1.02	0.68		
20	0.89	0.79	1.04	2.02	3.55	2.56	5.04	3.19	1.91	1.37	1.01	0.66		
21	0.90	0.79	1.06	2.05	3.50	2.53	5.01	3.13	1.89	1.36	1.00	0.66		
22	0.89	0.78	1.09	2.09	3.48	2.49	4.94	3.04	1.87	1.35	0.98	0.65		
23	0.87	0.77	1.11	2.15	3.50	2.48	4.93	2.96	1.84	1.33	0.97	0.65		
24	0.87	0.79	1.15	2.18	3.51	2.47	5.03	2.94	1.81	1.32	0.97	0.64		
25	0.87	0.79	1.17	2.24	3.53	2.47	4.85	2.90	1.79	1.31	0.95	0.64		
26	0.88	0.79	1.20	2.32	3.55	2.46	4.81	2.85	1.77	1.29	0.95	0.62		
27	0.89	0.79	1.24	2.41	3.56	2.45	4.77	2.79	1.75	1.28	0.94	0.61		
28	0.89	0.79	1.25	2.48	3.47	2.51	4.71	2.71	1.72	1.27	0.93	0.61		
29	0.89	0.80	1.27	2.51		2.55	4.65	2.68	1.70	1.26	0.92	0.61		
30	0.89	0.84	1.34	2.57		2.61	4.59	2.64	1.68	1.25	0.91	0.61		
31	0.88		1.39	2.60		2.71		2.57		1.23	0.91			
MEAN	0.86	0.82	0.99	1.93	3.34	2.81	4.20	3.51	2.05	1.43	1.07	0.72	1.97	
MAX.	0.90	0.85	1.39	2.60	3.65	3.44	5.04	4.55	2.52	1.56	1.68	0.89	5.04	
MIN.	0.83	0.77	0.79	1.43	2.65	2.45	2.80	2.57	1.68	1.23	0.91	0.61	0.61	

*QM*	ST.: 1-150 ZAMBEZI PUMP HOUSE												YEAR : 1989/90	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	96.9	96.3	93.6	161.6	356.7	523.6	387.6	813.9	333.7	193.7	135.0	100.0		
2	96.3	96.3	92.7	168.4	382.2	510.2	404.8	798.1	328.1	191.5	133.9	98.1		
3	96.3	96.3	90.9	162.0	391.9	496.4	421.7	782.5	320.9	189.0	132.5	96.9		
4	96.0	96.3	90.3	179.4	413.5	488.9	441.0	762.8	311.6	185.5	130.7	95.7		
5	95.7	96.3	90.3	182.3	432.6	474.0	462.6	740.8	301.3	183.5	129.3	94.2		
6	94.8	96.0	91.5	185.2	437.1	460.6	482.7	719.1	299.7	182.3	127.9	92.4		
7	93.9	95.4	92.4	186.9	448.8	447.5	519.3	696.9	291.7	179.8	126.5	91.5		
8	93.6	94.8	93.6	188.6	467.3	428.1	545.0	681.5	285.4	177.7	125.1	90.6		
9	94.0	94.5	94.8	194.5	480.7	417.3	561.7	667.1	279.7	174.0	123.8	89.5		
10	95.1	94.2	96.0	198.0	495.0	411.7	641.1	648.9	275.1	172.4	122.7	88.3		
11	96.3	93.6	97.2	200.6	515.8	402.9	660.8	633.3	270.5	170.4	121.7	87.1		
12	96.9	93.3	100.3	203.2	527.9	397.4	693.7	604.1	264.5	168.0	120.3	86.3		
13	95.7	93.3	103.4	206.8	534.9	395.5	715.0	580.1	259.5	166.0	119.0	85.1		
14	96.0	93.6	100.6	210.3	539.9	394.3	744.2	558.7	255.0	164.0	119.4	84.0		
15	96.3	93.9	99.3	214.4	542.1	393.1	776.5	541.4	248.2	162.8	117.3	83.1		
16	96.3	93.0	100.3	219.4	554.4	388.8	800.7	529.9	244.3	161.2	116.3	82.0		
17	96.3	90.9	103.7	226.8	565.3	368.4	828.9	502.6	240.4	159.3	115.6	81.5		
18	96.9	90.3	108.8	234.3	574.9	356.1	944.7	495.0	237.1	157.3	115.0	80.6		
19	99.3	90.3	115.0	242.4	565.3	348.0	962.8	486.1	233.3	155.8	113.7	79.5		
20	100.3	90.3	116.0	247.2	550.7	340.0	962.8	467.3	229.6	154.3	112.4	78.4		
21	101.2	90.0	118.3	252.1	539.2	334.9	952.3	456.0	226.3	153.1	111.0	77.9		
22	100.0	89.2	121.0	258.0	534.2	328.1	929.5	436.4	223.5	151.6	109.8	77.3		
23	97.8	88.6	123.4	267.5	537.8	325.9	927.7	419.8	219.4	149.7	108.5	76.8		
24	97.5	90.3	127.6	273.6	542.1	323.7	958.0	414.2	214.8	148.2	107.8	76.5		
25	97.8	90.3	130.0	283.4	546.4	323.1	901.5	407.9	211.7	146.7	106.9	76.0		
26	99.3	90.3	133.5	297.0	550.7	322.0	890.5	396.8	209.0	144.9	106.2	74.7		
27	99.7	90.0	138.2	313.2	552.9	320.9	878.5	384.0	205.9	143.0	105.3	73.6		
28	99.7	90.0	139.7	325.3	530.7	331.5	860.3	369.0	201.5	141.9	104.3	73.6		
29	100.3	91.2	142.2	330.9		338.3	842.3	363.1	199.3	140.4	103.4	73.6		
30	100.0	95.1	150.8	341.7		350.3	824.5	354.9	196.3	139.3	102.4	73.6		
31	99.3		157.0	348.0		369.6		341.7		137.1	101.5			
MEAN	97.3	92.8	111.4	235.6	504.0	390.7	730.8	550.1	253.9	162.8	119.4	83.9	275.7	
MAX.	101.2	96.3	157.0	348.0	574.9	523.6	962.8	813.9	333.7	193.7	135.0	100.0	962.8	
MIN.	93.6	88.6	90.3	161.6	356.7	320.9	387.6	341.7	196.3	137.1	101.5	73.6	73.6	

[Discharge Rating Curve]:  $Q=25.626*(H+1.085)^2$

[Flow Regime (m3/s)]:

Q(95day): 393.1      Q(185day): 179.8      Q(275day): 98.1      Q(355day): 78.4



<< PROGRAM for DB-05(Normal Year):Daily River W/L & Discharge >>>

*HM* ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1990/91		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.61	0.55	0.76	1.49	6.17	7.68	5.94	4.22	2.22	1.39	0.66	0.73				
2	0.61	0.55	0.77	1.50	6.28	7.53	5.89	4.14	2.17	1.37	0.65	0.73				
3	0.63	0.54	0.78	1.51	6.43	7.42	5.87	4.04	2.13	1.35	0.64	0.72				
4	0.64	0.54	0.92	1.52	6.55	7.26	5.84	3.98	2.10	1.33	0.63	0.70				
5	0.62	0.54	0.94	1.53	6.64	7.13	5.77	3.89	2.04	1.31	0.62	0.69				
6	0.62	0.54	0.94	1.66	6.76	6.98	5.76	3.79	2.00	1.29	0.76	0.69				
7	0.62	0.55	0.97	1.73	6.89	6.86	5.74	3.72	1.96	1.28	0.91	0.69				
8	0.61	0.55	0.98	1.85	7.00	6.74	5.73	3.64	1.93	1.26	0.90	0.69				
9	0.62	0.55	1.00	2.08	7.30	6.61	6.14	3.57	1.91	1.25	0.89	0.68				
10	0.62	0.55	1.01	2.18	7.77	6.50	6.25	3.46	1.88	1.24	0.88	0.68				
11	0.63	0.55	1.04	2.39	8.09	6.37	6.30	3.38	1.87	1.22	0.87	0.61				
12	0.62	0.54	1.09	2.44	8.16	6.22	6.36	3.31	1.82	1.22	0.87	0.61				
13	0.61	0.54	1.11	2.48	8.25	6.01	6.36	3.21	1.80	1.20	0.87	0.62				
14	0.60	0.53	1.15	2.54	8.31	5.90	6.32	3.13	1.77	1.19	0.87	0.61				
15	0.59	0.52	1.16	2.62	8.38	5.88	6.22	3.07	1.75	1.18	0.85	0.60				
16	0.59	0.50	1.18	2.74	8.41	5.85	6.04	3.00	1.73	1.16	0.85	0.60				
17	0.58	0.50	1.21	2.87	8.41	5.88	5.79	2.94	1.69	1.15	0.82	0.60				
18	0.57	0.52	1.25	2.95	8.42	5.92	5.66	2.88	1.66	1.14	0.81	0.59				
19	0.56	0.55	1.29	3.08	8.43	5.97	5.54	2.82	1.65	1.12	0.81	0.58				
20	0.55	0.56	1.32	3.28	8.51	6.00	5.41	2.76	1.64	1.10	0.80	0.58				
21	0.55	0.54	1.36	3.49	8.49	6.06	5.29	2.70	1.62	1.09	0.80	0.56				
22	0.55	0.54	1.39	3.76	8.38	6.12	5.18	2.64	1.60	1.09	0.79	0.55				
23	0.55	0.56	1.41	4.05	8.30	6.15	5.04	2.59	1.58	1.08	0.79	0.56				
24	0.56	0.65	1.43	4.21	8.18	6.17	4.97	2.54	1.55	1.06	0.79	0.56				
25	0.55	0.65	1.43	4.36	8.10	6.20	4.90	2.43	1.52	1.05	0.79	0.56				
26	0.55	0.69	1.43	4.55	8.03	6.18	4.76	2.45	1.50	1.04	0.77	0.55				
27	0.55	0.69	1.44	4.75	7.89	6.15	4.61	2.41	1.48	1.02	0.76	0.55				
28	0.55	0.73	1.46	4.99	7.79	6.12	4.51	2.37	1.45	1.01	0.74	0.55				
29	0.55	0.74	1.47	5.21		6.08	4.40	2.34	1.43	1.00	0.73	0.54				
30	0.54	0.75	1.47	5.46		6.03	4.30	2.29	1.41	0.99	0.73	0.54				
31	0.54		1.48	5.79		5.99		2.25		0.98	0.73					
MEAN	0.58	0.58	1.18	3.07	7.73	6.39	5.56	3.10	1.76	1.17	0.79	0.62	2.67			
MAX.	0.64	0.75	1.48	5.79	8.51	7.68	6.36	4.22	2.22	1.39	0.91	0.73	8.51			
MIN.	0.54	0.50	0.76	1.49	6.17	5.85	4.30	2.25	1.41	0.98	0.62	0.54	0.50			

*QM* ST.: 1-150 ZAMBEZI PUMP HOUSE													YEAR : 1990/91		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	73.6	68.1	87.1	169.6	1347.4	1969.2	1264.9	721.6	279.2	156.6	78.2	84.0				
2	73.6	68.1	88.3	170.8	1389.6	1901.3	1248.4	698.6	272.0	153.9	77.1	84.0				
3	75.2	67.9	89.5	172.8	1445.4	1851.8	1238.7	672.7	264.5	151.6	76.3	83.4				
4	76.0	67.9	103.1	174.4	1492.7	1786.0	1228.9	656.8	259.5	148.9	75.7	82.0				
5	74.9	67.9	105.0	175.7	1528.7	1727.8	1205.2	633.3	249.6	146.7	74.9	81.2				
6	74.4	67.6	105.6	193.7	1577.3	1666.8	1202.0	610.2	243.3	144.8	74.4	81.2				
7	74.1	68.6	108.1	202.4	1630.5	1618.0	1192.4	592.0	238.1	143.7	101.5	80.4				
8	73.9	68.6	109.8	220.8	1676.9	1567.5	1191.3	571.2	233.3	141.5	100.6	80.4				
9	74.4	68.6	111.4	257.0	1801.7	1519.0	1336.1	554.4	229.6	139.3	100.0	79.8				
10	74.9	68.6	112.7	272.6	2010.5	1473.7	1377.0	528.5	225.8	138.6	99.3	79.5				
11	75.2	68.4	115.6	308.8	2158.4	1424.3	1397.7	510.2	223.1	136.4	98.4	73.6				
12	74.4	67.9	120.7	318.7	2191.5	1367.8	1420.8	494.3	216.7	136.1	97.8	73.6				
13	73.9	67.6	123.4	326.4	2233.6	1291.3	1422.0	472.6	213.0	133.5	97.5	74.1				
14	73.1	66.9	127.6	336.6	2262.8	1250.6	1404.6	454.7	209.5	133.2	97.5	73.6				
15	72.3	65.9	129.0	352.0	2293.8	1241.9	1366.7	442.9	205.9	131.8	96.0	73.1				
16	71.7	64.4	131.4	375.6	2309.6	1233.2	1302.4	428.1	202.8	129.7	95.7	72.8				
17	71.2	64.4	135.0	399.9	2311.5	1241.9	1211.7	415.4	197.1	128.3	92.7	72.5				
18	70.2	66.1	139.3	417.3	2316.0	1256.1	1211.7	402.9	193.7	126.5	92.1	72.3				
19	69.2	68.4	144.8	444.2	2318.9	1274.8	1165.9	391.3	191.1	124.4	91.8	71.0				
20	68.4	69.2	148.6	487.5	2360.7	1285.8	1082.1	378.5	190.7	122.7	91.2	71.0				
21	68.4	67.4	153.5	536.4	2348.8	1308.0	1040.9	367.2	187.7	121.0	90.9	69.7				
22	68.4	67.9	157.3	601.1	2296.7	1329.3	1006.3	354.9	184.8	120.7	90.3	68.9				
23	68.4	69.2	160.1	675.1	2257.0	1341.7	960.9	345.7	181.8	119.7	90.0	69.4				
24	68.4	76.8	162.4	717.5	2198.7	1349.6	939.0	336.0	177.3	118.3	89.7	69.7				
25	68.4	77.3	162.4	759.4	2161.2	1359.9	916.4	325.9	174.0	117.0	89.7	69.2				
26	68.4	80.4	162.4	814.8	2126.9	1353.0	875.8	319.8	171.6	115.3	87.7	68.4				
27	68.4	80.9	163.6	874.0	2063.4	1341.7	832.5	313.7	168.4	114.0	86.8	68.4				
28	58.4	84.3	166.4	945.6	2017.4	1330.4	803.4	305.6	164.8	113.0	85.4	68.1				
29	68.1	85.4	166.8	1014.2		1315.8	770.5	300.2	161.6	111.7	84.6	67.6				
30	67.6	86.0	167.6	1096.4		1296.9	744.2	292.3	159.3	110.4	84.3	67.6				
31	67.9		168.4	1211.7		1282.5		284.9		108.8	84.3					
MEAN	71.5	70.9	133.1	484.6	2004.5	1437.4	1145.3	457.3	209.0	130.3	89.9	74.3	515.2			
MAX.	76.0	86.0	168.4	1211.7	2360.7	1969.2	1422.0	721.6	279.2	156.6	101.5	84.0	2360.7			
MIN.	67.6	64.4	87.1	169.6	1347.4	1233.2	744.2	284.9	159.3	108.8	74.9	67.6	64.4			

[Discharge Rating Curve]: Q=25.626\*(H+1.085)^2

[Flow Regime (m3/s)]:

Q(95day): 759.4      Q(185day): 162.4      Q(275day): 83.4      Q(355day): 67.6