

HM ST.: 4-450 LUBUNGU

YEAR : 1959/60

[WATER LEVEL (m)]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.22	1.01	1.10	1.86	1.95	3.57	3.90	3.41	2.01	1.71	1.52	1.37	
2	1.22	1.01	1.10	1.92	1.98	3.57	3.87	3.38	2.01	1.71	1.52	1.37	
3	1.22	1.01	1.10	2.01	2.01	3.60	3.90	3.35	1.98	1.68	1.52	1.37	
4	1.22	1.01	1.10	2.07	2.01	3.63	3.90	3.32	1.95	1.58	1.52	1.34	
5	1.22	1.01	1.07	2.10	2.01	3.63	3.90	3.26	1.92	1.68	1.49	1.34	
6	1.16	0.98	1.07	2.13	2.01	3.63	3.90	3.20	1.92	1.65	1.49	1.34	
7	1.16	0.98	1.10	2.19	2.04	3.63	3.93	3.14	1.92	1.65	1.49	1.34	
8	1.16	0.98	1.10	2.23	2.10	3.66	3.96	3.08	1.89	1.65	1.49	1.34	
9	1.16	0.98	1.10	2.26	2.16	3.69	3.96	3.05	1.89	1.62	1.49	1.31	
10	1.16	0.98	1.13	2.26	2.23	3.69	3.96	2.99	1.89	1.62	1.49	1.31	
11	1.13	0.98	1.19	2.29	2.29	3.72	3.99	2.93	1.86	1.62	1.49	1.31	
12	1.13	1.01	1.19	2.32	2.38	3.72	3.93	2.87	1.80	1.62	1.46	1.31	
13	1.13	1.04	1.16	2.35	2.47	3.75	3.93	2.83	1.83	1.62	1.46	1.31	
14	1.13	1.10	1.15	2.38	2.53	3.78	3.93	2.77	1.83	1.62	1.46	1.31	
15	1.13	1.10	1.19	2.38	2.59	3.84	3.93	2.71	1.80	1.62	1.46	1.31	
16	1.10	1.10	1.22	2.38	2.68	3.87	3.93	2.65	1.80	1.62	1.46	1.28	
17	1.10	1.10	1.25	2.38	2.71	3.90	3.93	2.62	1.80	1.62	1.46	1.28	
18	1.10	1.10	1.31	2.35	2.90	3.87	3.90	2.53	1.80	1.58	1.46	1.28	
19	1.10	1.10	1.37	2.35	2.96	3.90	3.87	2.47	1.77	1.58	1.46	1.28	
20	1.10	1.10	1.40	2.32	3.05	3.90	3.87	2.41	1.77	1.58	1.43	1.25	
21	1.07	1.10	1.49	2.29	3.14	3.93	3.84	2.38	1.77	1.58	1.43	1.25	
22	1.07	1.10	1.52	2.26	3.20	3.93	3.81	2.32	1.77	1.58	1.43	1.25	
23	1.07	1.10	1.49	2.23	3.29	3.96	3.78	2.29	1.77	1.58	1.43	1.25	
24	1.07	1.10	1.52	2.19	3.36	3.96	3.75	2.23	1.77	1.58	1.43	1.25	
25	1.07	1.13	1.55	2.10	3.44	3.99	3.75	2.19	1.77	1.55	1.40	1.22	
26	1.04	1.13	1.65	2.04	3.47	3.99	3.72	2.19	1.74	1.55	1.40	1.22	
27	1.04	1.13	1.68	2.07	3.44	3.99	3.66	2.13	1.74	1.55	1.40	1.22	
28	1.04	1.13	1.74	2.04	3.44	3.96	3.63	2.13	1.74	1.55	1.40	1.19	
29	1.04	1.13	1.77	2.01	3.44	3.96	3.57	2.10	1.71	1.55	1.37	1.19	
30	1.04	1.13	1.83	2.04	3.44	3.93	3.54	2.04	1.71	1.52	1.37	1.19	
31	1.01		1.86	1.98		3.90		2.01		1.52	1.37		
MEAN	1.11	1.06	1.34	2.19	2.64	3.81	3.85	2.68	1.83	1.61	1.46	1.29	2.07
MAX.	1.22	1.13	1.86	2.38	3.47	3.99	3.96	3.41	2.01	1.71	1.52	1.37	3.99
MIN.	1.01	0.98	1.07	1.86	1.95	3.57	3.54	2.01	1.71	1.52	1.37	1.19	0.98

QM ST.: 4-450 LUBUNGU

YEAR : 1959/60

[WATER LEVEL (m)]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	17.5	8.9	12.2	60.6	68.9	302.7	371.9	273.5	74.7	48.0	34.8	25.4	
2	17.5	8.9	12.2	66.1	71.8	302.7	365.3	267.9	74.7	48.0	34.8	25.4	
3	17.5	8.9	12.2	74.7	74.7	308.7	371.9	262.3	71.8	45.7	34.8	25.4	
4	17.5	8.9	12.2	80.8	74.7	314.7	371.9	256.8	68.9	45.7	34.8	23.7	
5	17.5	8.9	11.1	83.9	74.7	314.7	371.9	245.9	66.1	45.7	32.8	23.7	
6	14.8	7.9	11.1	87.1	74.7	314.7	371.9	235.3	65.1	43.4	32.8	23.7	
7	14.8	7.9	12.2	93.6	77.7	314.7	378.5	224.8	66.1	43.4	32.8	23.7	
8	14.8	7.9	12.2	97.0	83.9	320.8	385.3	214.7	63.3	43.4	32.8	23.7	
9	14.8	7.9	12.2	100.4	90.3	327.0	385.3	209.7	63.3	41.2	32.8	22.1	
10	14.8	7.9	13.5	100.4	97.0	327.0	385.3	199.8	63.3	41.2	32.8	22.1	
11	13.5	7.9	16.1	103.8	103.8	333.2	378.5	190.3	60.6	41.2	32.8	22.1	
12	13.5	8.9	16.1	107.4	114.6	333.2	378.5	180.9	55.4	41.2	30.9	22.1	
13	13.5	10.0	14.8	110.9	125.9	339.5	378.5	176.3	58.0	41.2	30.9	22.1	
14	13.5	12.2	14.8	114.6	133.7	345.9	378.5	167.3	58.0	41.2	30.9	22.1	
15	13.5	12.2	16.1	114.6	141.8	358.8	378.5	158.6	55.4	41.2	30.9	22.1	
16	12.2	12.2	17.5	114.6	154.3	365.3	378.5	150.0	55.4	41.2	30.9	20.5	
17	12.2	12.2	19.0	114.6	158.6	371.9	378.5	145.9	55.4	41.2	30.9	20.5	
18	12.2	12.2	22.1	110.9	185.6	365.3	371.9	133.7	55.4	39.0	30.9	20.5	
19	12.2	12.2	25.4	110.9	195.0	371.9	365.3	125.9	52.9	39.0	30.9	20.5	
20	12.2	12.2	27.2	107.4	209.7	371.9	365.3	118.3	52.9	39.0	29.0	19.0	
21	11.1	12.2	32.8	103.8	224.8	378.5	358.8	114.6	52.9	39.0	29.0	19.0	
22	11.1	12.2	34.8	100.4	235.3	378.5	352.3	107.4	52.9	39.0	29.0	19.0	
23	11.1	12.2	32.8	97.0	251.3	385.3	345.9	103.8	52.9	39.0	29.0	19.0	
24	11.1	12.2	34.8	93.6	267.9	385.3	339.5	97.0	52.9	39.0	29.0	19.0	
25	11.1	13.5	36.9	83.9	279.2	392.0	339.5	93.6	52.9	36.9	27.2	17.5	
26	10.0	13.5	43.4	77.7	285.0	392.0	333.2	93.6	50.4	36.9	27.2	17.5	
27	10.0	13.5	45.7	80.8	279.2	392.0	320.8	87.1	50.4	36.9	27.2	17.5	
28	10.0	13.5	50.4	77.7	279.2	385.3	314.7	87.1	50.4	36.9	27.2	16.1	
29	10.0	13.5	52.9	74.7	285.4	385.3	302.7	83.9	48.0	36.9	25.4	16.1	
30	10.0	13.5	58.0	77.7	279.2	378.5	296.7	77.7	48.0	34.8	25.4	16.1	
31	8.9		60.6	71.8		371.9		74.7		34.8	25.4		
MEAN	13.0	10.9	25.6	93.3	162.0	352.6	360.5	159.9	58.3	40.7	30.5	20.9	110.4
MAX.	17.5	13.5	50.5	114.6	285.4	392.0	385.3	273.5	74.7	48.0	34.8	25.4	382.0
MIN.	8.9	7.9	11.1	60.6	68.9	302.7	296.7	74.7	48.0	34.8	25.4	16.1	7.9

[: : : Rating Curve]: Q=31.695*(H-0.476)²
 [Flow Regime (m3/s)]:
 Q(95day): 133.7 Q(185day): 48.0 Q(275day): 20.5 Q(355day): 8.9

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

HM ST.: 4-450 LUBUNGU		YEAR : 1960/61											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.19	1.10	1.31	1.68	2.44	4.02	4.88	4.47	3.22	2.26	1.95	1.71		
2	1.19	1.10	1.28	1.71	2.44	3.99	4.85	4.45	3.17	2.24	1.94	1.71		
3	1.19	1.10	1.30	1.78	2.47	4.08	4.83	4.42	3.12	2.23	1.92	1.71		
4	1.19	1.10	1.26	1.77	2.50	4.10	4.79	4.39	3.08	2.23	1.92	1.71		
5	1.19	1.10	1.25	1.77	2.59	4.18	4.75	4.37	3.02	2.21	1.92	1.69		
6	1.19	1.07	1.23	1.77	2.62	4.21	4.74	4.34	2.99	2.21	1.91	1.68		
7	1.16	1.07	1.23	1.78	2.74	4.27	4.79	4.31	2.96	2.19	1.91	1.66		
8	1.16	1.07	1.22	1.83	2.87	4.51	4.88	4.28	2.90	2.18	1.89	1.66		
9	1.16	1.07	1.22	1.86	2.97	4.77	4.94	4.25	2.85	2.16	1.89	1.65		
10	1.16	1.07	1.25	1.89	3.03	5.00	4.95	4.22	2.80	2.15	1.87	1.65		
11	1.16	1.07	1.25	1.94	3.05	5.00	4.91	4.18	2.77	2.13	1.86	1.63		
12	1.16	1.07	1.25	1.98	3.15	4.85	4.82	4.15	2.73	2.13	1.86	1.63		
13	1.16	1.08	1.26	2.00	3.20	4.75	4.77	4.11	2.71	2.12	1.84	1.62		
14	1.16	1.07	1.28	2.00	3.23	4.63	4.75	4.08	2.68	2.10	1.83	1.62		
15	1.16	1.07	1.28	2.07	3.26	4.59	4.75	4.04	2.65	2.09	1.83	1.60		
16	1.16	1.10	1.28	2.13	3.29	4.63	4.72	4.01	2.61	2.09	1.83	1.58		
17	1.13	1.10	1.30	2.12	3.64	4.74	4.72	3.96	2.58	2.09	1.81	1.58		
18	1.13	1.13	1.26	2.16	3.70	4.66	4.71	3.95	2.55	2.07	1.81	1.58		
19	1.13	1.16	1.25	2.18	3.78	4.66	4.71	3.89	2.53	2.07	1.81	1.57		
20	1.13	1.17	1.25	2.18	3.75	4.91	4.71	3.84	2.50	2.04	1.80	1.54		
21	1.13	1.16	1.25	2.18	3.75	4.97	4.69	3.79	2.47	2.04	1.80	1.55		
22	1.13	1.16	1.25	2.19	3.72	4.94	4.66	3.75	2.45	2.03	1.78	1.54		
23	1.13	1.16	1.26	2.19	3.78	4.82	4.63	3.69	2.44	2.03	1.77	1.52		
24	1.13	1.19	1.26	2.21	3.87	4.79	4.62	3.64	2.41	2.01	1.77	1.52		
25	1.13	1.20	1.26	2.23	3.90	4.91	4.60	3.60	2.38	2.01	1.75	1.51		
26	1.13	1.28	1.31	2.24	4.02	5.01	4.57	3.54	2.36	2.00	1.75	1.51		
27	1.10	1.26	1.37	2.27	4.02	5.06	4.56	3.47	2.38	2.00	1.74	1.51		
28	1.10	1.28	1.43	2.32	4.05	5.03	4.54	3.43	2.33	1.98	1.74	1.49		
29	1.10	1.28	1.52	2.35		4.94	4.51	3.38	2.29	1.98	1.74	1.48		
30	1.10	1.30	1.58	2.38		4.88	4.50	3.32	2.27	1.97	1.72	1.48		
31	1.10		1.62	2.41		4.88		3.28		1.95	1.72			
MEAN	1.14	1.14	1.30	2.05	3.28	4.67	4.73	3.96	2.67	2.10	1.83	1.60	2.53	
MAX.	1.19	1.30	1.62	2.41	4.05	5.06	4.95	4.47	3.22	2.26	1.95	1.71	5.06	
MIN.	1.10	1.07	1.22	1.68	2.44	3.99	4.50	3.28	2.27	1.95	1.72	1.48	1.07	

QM ST.: 4-450 LUBUNGU		YEAR : 1960/61											[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	16.1	12.2	22.1	45.7	122.1	398.8	613.8	504.4	237.9	100.4	68.9	48.0		
2	16.1	12.2	20.5	48.0	122.1	392.0	605.4	500.6	230.0	98.7	67.5	48.0		
3	16.1	12.2	21.3	54.1	125.9	412.7	601.2	492.9	222.3	97.0	66.1	48.0		
4	16.1	12.2	19.7	52.9	129.8	416.2	588.6	485.3	214.7	97.0	66.1	48.0		
5	16.1	12.2	19.0	52.9	141.8	433.8	580.3	481.6	204.7	95.3	66.1	46.8		
6	16.1	11.1	18.2	52.9	145.9	441.0	576.2	474.1	199.8	95.3	64.7	45.7		
7	14.8	11.1	18.2	54.1	162.9	455.6	588.6	466.6	195.0	93.6	64.7	44.5		
8	14.8	11.1	17.5	58.0	180.9	516.0	613.8	459.2	185.6	92.0	63.3	44.5		
9	14.8	11.1	17.5	60.6	197.4	584.4	631.0	451.9	178.6	90.3	63.3	43.4		
10	14.8	11.1	19.0	63.3	207.2	648.3	635.3	444.6	171.8	88.7	62.0	43.4		
11	14.8	11.1	19.0	67.5	209.7	648.3	622.4	433.8	167.3	87.1	60.6	42.3		
12	14.8	11.1	19.0	71.8	227.4	605.4	597.0	426.7	160.7	87.1	60.6	42.3		
13	14.8	11.6	19.7	73.3	235.3	580.3	584.4	419.7	158.6	85.5	59.3	41.2		
14	14.8	11.1	20.5	73.3	240.5	547.7	580.3	412.7	154.3	83.9	58.0	41.2		
15	14.8	11.1	20.5	80.8	245.9	535.7	580.3	402.3	150.0	82.3	58.0	40.1		
16	14.8	12.2	20.5	87.1	251.3	547.7	572.1	395.4	143.8	82.3	58.0	39.0		
17	13.5	12.2	21.3	85.5	317.8	576.2	572.1	385.3	139.7	82.3	56.7	39.0		
18	13.5	13.5	19.7	90.3	345.9	555.8	568.0	381.9	135.7	80.8	56.7	39.0		
19	13.5	14.8	19.0	92.0	345.9	555.8	568.0	368.6	133.7	80.8	56.7	37.9		
20	13.5	15.4	19.0	92.0	339.5	622.4	568.0	358.8	129.8	77.7	55.4	35.8		
21	13.5	14.8	19.0	92.0	339.5	639.6	563.9	349.1	125.9	77.7	55.4	36.9		
22	13.5	14.8	19.0	93.6	333.2	631.0	555.8	339.5	124.0	76.2	54.1	35.8		
23	13.5	14.8	19.7	93.6	345.9	597.0	547.7	327.0	122.1	76.2	52.9	34.8		
24	13.5	16.1	19.7	95.3	365.3	588.6	543.7	317.8	118.3	74.7	52.9	34.8		
25	13.5	16.8	19.7	97.0	371.9	622.4	539.7	308.7	114.6	74.7	51.7	33.8		
26	13.5	20.5	22.1	98.7	398.8	652.7	531.8	296.7	112.8	73.3	51.7	33.8		
27	12.2	19.7	25.4	102.1	398.8	665.9	527.8	285.0	114.6	73.3	50.4	33.8		
28	12.2	20.5	29.0	107.4	405.7	657.1	523.9	276.4	109.1	71.8	50.4	32.8		
29	12.2	20.5	34.8	110.9		631.0	516.0	267.9	103.8	71.8	50.4	31.8		
30	12.2	21.3	39.0	114.6		613.8	512.2	256.8	102.1	70.4	49.2	31.8		
31	12.2		41.2	113.3		613.8		248.6		68.9	49.2			
MEAN	14.2	14.0	21.9	80.0	259.1	560.9	573.6	387.7	155.4	83.5	58.1	39.9	186.7	
MAX.	16.1	21.3	41.2	118.3	405.7	665.9	635.3	504.4	237.9	100.4	68.9	48.0	665.9	
MIN.	12.2	11.1	17.5	45.7	122.1	392.0	512.2	248.6	102.1	68.9	49.2	31.8	11.1	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 327.0 Q(185day): 80.8 Q(275day): 31.8 Q(355day): 12.2

<< MASTER PROGRAM for 06-05(Normal Year):Daily River W/L & Discharge >>

HM	ST.: 4-450 LUBUNGU												YEAR : 1961/62		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	1.46	1.28	1.98	2.83	3.96	5.06	5.58	5.55	4.69	3.47	2.77	2.39				
2	1.46	1.28	2.01	2.87	4.13	4.94	5.65	5.52	4.65	3.44	2.74	2.38				
3	1.45	1.26	2.03	2.91	4.16	4.88	5.67	5.50	4.63	3.41	2.74	2.38				
4	1.43	1.25	2.04	2.93	4.15	4.86	5.68	5.47	4.60	3.37	2.73	2.36				
5	1.43	1.25	2.04	2.96	4.18	4.86	5.68	5.43	4.57	3.34	2.71	2.35				
6	1.43	1.25	2.07	2.99	4.15	4.86	5.70	5.39	4.54	3.05	2.70	2.35				
7	1.43	1.26	2.09	3.03	4.33	4.88	5.73	5.36	4.51	3.26	2.68	2.32				
8	1.42	1.28	2.10	3.06	4.42	4.88	5.76	5.33	4.48	3.23	2.67	2.32				
9	1.40	1.28	2.10	3.14	4.51	4.86	5.79	5.33	4.45	3.20	2.65	2.30				
10	1.40	1.28	2.09	3.17	4.45	4.82	5.82	5.30	4.40	3.17	2.65	2.29				
11	1.40	1.31	2.09	3.22	4.42	4.82	5.84	5.27	4.37	3.14	2.64	2.27				
12	1.39	1.33	2.10	3.28	4.53	4.88	5.84	5.24	4.34	3.11	2.62	2.26				
13	1.37	1.34	2.12	3.34	4.54	4.97	5.85	5.21	4.30	3.09	2.61	2.26				
14	1.37	1.34	2.16	3.35	4.50	5.06	5.85	5.18	4.25	3.05	2.59	2.23				
15	1.36	1.37	2.21	3.35	4.53	5.12	5.85	5.15	4.21	3.02	2.59	2.23				
16	1.34	1.37	2.19	3.35	4.62	5.17	5.84	5.12	4.18	3.02	2.58	2.19				
17	1.34	1.39	2.29	3.38	4.63	5.18	5.82	5.11	4.11	2.99	2.56	2.19				
18	1.34	1.40	2.35	3.38	4.57	5.27	5.82	5.07	4.07	2.96	2.56	2.16				
19	1.34	1.43	2.38	3.40	4.50	5.30	5.82	5.04	4.02	2.96	2.55	2.15				
20	1.34	1.49	2.41	3.40	4.53	5.43	5.84	5.01	3.98	2.93	2.53	2.13				
21	1.33	1.55	2.44	3.40	4.71	5.46	5.84	4.98	3.93	2.94	2.51	2.13				
22	1.31	1.62	2.50	3.41	4.91	5.46	5.84	4.95	3.87	2.93	2.50	2.12				
23	1.30	1.68	2.53	3.44	4.97	5.46	5.82	4.82	3.83	2.90	2.50	2.10				
24	1.30	1.72	2.59	3.47	5.07	5.49	5.79	4.89	3.78	2.90	2.47	2.09				
25	1.28	1.80	2.59	3.49	5.12	5.50	5.76	4.88	3.72	2.87	2.47	2.07				
26	1.31	1.86	2.62	3.51	5.56	5.50	5.70	4.85	3.69	2.87	2.45	2.07				
27	1.28	1.89	2.65	3.54	5.46	5.49	5.65	4.82	3.66	2.83	2.45	2.06				
28	1.26	1.92	2.70	3.55	5.24	5.49	5.62	4.79	3.63	2.83	2.44	2.06				
29	1.26	1.95	2.74	3.60		5.50	5.59	4.77	3.58	2.80	2.42	2.04				
30	1.26	1.98	2.76	3.67		5.56	5.56	4.74	3.54	2.80	2.41	2.04				
31	1.28		2.79	3.78		5.55		4.72		2.79	2.41					
MEAN	1.36	1.48	2.52	3.30	4.60	5.18	5.75	5.13	4.15	3.05	2.58	2.21	3.42			
MAX.	1.46	1.98	2.79	3.78	5.56	5.56	5.85	5.55	4.69	3.47	2.77	2.39	5.85			
MIN.	1.26	1.25	1.95	2.83	3.96	4.82	5.56	4.72	3.54	2.79	2.41	2.04	1.25			

QM	ST.: 4-450 LUBUNGU												YEAR : 1961/62		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	30.9	20.5	71.8	176.3	385.3	665.9	825.0	815.2	563.9	285.0	167.3	116.4				
2	30.9	20.5	74.7	180.9	423.2	631.0	849.8	805.4	551.7	279.2	162.9	114.6				
3	29.9	19.7	76.2	187.9	430.3	613.8	854.8	800.5	547.7	273.5	162.9	114.6				
4	29.0	19.0	77.7	190.3	426.7	609.6	859.8	790.8	539.7	265.1	160.7	112.8				
5	29.0	19.0	77.7	195.0	433.8	609.6	859.8	776.4	531.8	259.5	158.6	110.9				
6	29.0	19.0	80.8	199.8	426.7	609.6	864.9	756.9	523.9	209.7	156.4	110.9				
7	29.0	19.7	82.3	207.2	470.3	613.8	875.0	757.4	516.0	245.9	154.3	107.4				
8	28.1	20.5	83.9	212.2	492.9	613.8	885.2	748.0	508.3	240.5	152.2	107.4				
9	27.2	20.5	83.9	224.8	516.0	609.6	895.4	748.0	500.6	235.3	150.0	106.6				
10	27.2	20.5	82.3	230.0	500.6	597.0	905.7	738.7	489.1	230.0	150.9	103.8				
11	27.2	22.1	82.3	237.9	492.9	597.0	910.9	725.4	481.6	224.8	147.9	102.1				
12	26.3	22.9	83.9	248.6	519.9	513.8	910.9	720.1	474.1	219.7	145.9	100.4				
13	25.4	23.7	85.5	259.5	523.9	639.6	916.1	710.9	462.9	217.2	143.9	100.4				
14	25.4	23.7	90.3	262.3	512.2	665.9	916.1	701.8	451.9	209.7	141.8	97.3				
15	24.5	25.4	95.3	262.3	519.9	683.7	916.1	692.7	441.0	204.7	141.8	97.0				
16	23.7	25.4	93.6	262.3	543.7	697.3	910.9	683.7	433.8	204.7	139.7	93.6				
17	23.7	26.3	103.8	267.9	547.7	701.8	905.7	679.3	419.7	199.8	137.7	93.6				
18	23.7	27.2	110.9	267.9	531.8	729.4	905.7	670.4	409.2	195.0	137.7	90.3				
19	23.7	29.0	114.6	270.7	512.2	738.7	905.7	661.5	398.8	195.0	135.7	88.7				
20	23.7	32.8	118.3	270.7	519.9	776.4	910.9	652.7	388.6	190.3	133.7	87.1				
21	22.9	36.9	122.1	270.7	568.0	786.0	910.9	644.0	378.5	192.6	131.7	87.1				
22	22.1	41.2	129.8	273.5	622.4	786.0	910.9	635.3	365.3	190.3	129.8	85.5				
23	21.3	45.7	133.7	279.2	639.6	786.0	905.7	626.7	355.5	185.6	129.8	83.9				
24	21.3	49.2	141.8	285.0	670.4	795.7	895.4	618.1	345.9	185.6	125.9	82.3				
25	20.5	55.4	141.8	287.9	683.7	800.5	885.2	613.8	333.2	180.9	125.9	80.8				
26	22.1	60.6	145.9	290.8	820.1	800.5	864.9	605.4	327.0	180.9	124.0	80.8				
27	20.5	63.3	150.0	296.7	786.0	795.7	849.8	597.0	320.8	176.3	124.0	79.3				
28	19.7	66.1	156.4	299.7	720.1	795.7	839.8	588.6	314.7	176.3	122.1	79.3				
29	19.7	68.9	162.9	308.7		800.5	829.9	584.4	305.7	171.8	120.2	77.7				
30	19.7	71.8	165.1	323.9		820.1	820.1	576.2	296.7	171.8	118.3	77.7				
31	20.5		169.6	345.9		815.2		572.1		169.6	118.3					
MEAN	24.8	33.9	109.3	254.1	544.3	703.2	863.2	637.5	432.0	211.3	140.3	95.6	541.5			
MAX.	30.9	71.8	169.6	345.9	820.1	820.1	916.1	815.2	563.9	285.0	167.3	116.4	916.1			
MIN.	19.7	19.0	71.8	176.3	325.3	597.0	820.1	572.1	296.7	169.6	118.3	77.7	19.0			

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 597.0 Q(185day): 217.2 Q(275day): 93.6 Q(355day): 20.5

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

HM ST.: 4-450 LUBUNGU		YEAR : 1962/63											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	2.04	1.68	2.04	4.18	5.46	5.94	6.04	5.18	3.81	2.99	2.65	2.32	
2	2.01	1.68	2.07	4.48	5.49	5.97	6.00	5.12	3.78	2.99	2.65	2.32	
3	2.01	1.68	2.13	4.69	5.43	6.10	5.97	5.09	3.72	2.96	2.65	2.32	
4	1.98	1.65	2.19	4.72	5.39	6.19	5.94	5.06	3.69	2.96	2.62	2.29	
5	1.98	1.65	2.23	4.75	5.58	6.22	5.91	5.03	3.63	2.96	2.62	2.29	
6	1.95	1.65	2.29	4.91	5.79	6.13	5.91	4.97	3.60	2.93	2.62	2.26	
7	1.95	1.65	2.44	4.88	5.85	6.13	5.88	4.94	3.57	2.93	2.59	2.26	
8	1.95	1.65	2.41	4.82	5.73	6.16	5.85	4.91	3.51	2.90	2.59	2.26	
9	1.92	1.65	2.47	4.88	5.64	6.22	5.82	4.88	3.47	2.90	2.59	2.26	
10	1.92	1.65	2.53	4.97	5.58	6.28	5.79	4.85	3.44	2.90	2.56	2.23	
11	1.89	1.65	2.62	5.00	5.52	6.40	5.76	4.82	3.41	2.87	2.56	2.23	
12	1.89	1.65	2.83	4.97	5.70	6.52	5.73	4.79	3.38	2.87	2.56	2.19	
13	1.89	1.65	2.87	4.91	5.73	6.71	5.70	4.72	3.35	2.87	2.53	2.19	
14	1.89	1.65	2.93	4.91	5.76	6.61	5.67	4.69	3.32	2.83	2.53	2.19	
15	1.86	1.65	2.99	4.88	5.88	6.52	5.64	4.66	3.29	2.83	2.53	2.16	
16	1.86	1.68	3.05	4.91	5.91	6.43	5.64	4.60	3.26	2.83	2.50	2.16	
17	1.83	1.71	3.08	4.94	5.91	6.40	5.64	4.57	3.23	2.80	2.50	2.13	
18	1.83	1.71	3.17	4.91	5.97	6.34	5.64	4.54	3.20	2.80	2.50	2.13	
19	1.80	1.71	3.29	4.91	6.10	6.31	5.58	4.48	3.20	2.80	2.47	2.13	
20	1.80	1.80	3.20	4.91	6.13	6.28	5.55	4.45	3.17	2.77	2.47	2.10	
21	1.80	1.83	3.47	4.91	6.04	6.28	5.52	4.39	3.14	2.77	2.47	2.10	
22	1.80	1.86	3.63	4.94	5.91	6.25	5.49	4.33	3.14	2.77	2.44	2.10	
23	1.77	1.86	3.87	4.94	5.82	6.22	5.46	4.27	3.11	2.77	2.44	2.07	
24	1.77	1.89	3.99	5.00	5.79	6.19	5.43	4.24	3.11	2.74	2.44	2.07	
25	1.74	1.92	3.99	5.03	5.76	6.16	5.36	4.18	3.08	2.74	2.41	2.07	
26	1.74	1.92	4.11	5.06	5.79	6.13	5.33	4.15	3.08	2.71	2.41	2.07	
27	1.74	1.95	4.33	5.09	5.88	6.13	5.33	4.08	3.05	2.71	2.38	2.04	
28	1.71	1.98	4.39	5.12	5.91	6.10	5.27	4.02	3.05	2.71	2.38	2.04	
29	1.71	2.01	4.24	5.15		6.10	5.24	3.99	3.02	2.68	2.38	2.01	
30	1.71	2.01	4.15	5.27		6.07	5.21	3.93	3.02	2.68	2.35	2.01	
31	1.71		4.18	5.33		6.04		3.87		2.68	2.35		
MEAN	1.85	1.75	3.13	4.91	5.77	6.24	5.64	4.57	3.33	2.83	2.51	2.17	3.71
MAX.	2.04	2.01	4.39	5.33	6.13	6.71	6.04	5.18	3.81	2.99	2.65	2.32	6.71
MIN.	1.71	1.65	2.04	4.18	5.39	5.94	5.21	3.87	3.02	2.68	2.35	2.01	1.65

QM ST.: 4-450 LUBUNGU		YEAR : 1962/63											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	77.7	45.7	77.7	433.8	786.0	947.5	979.5	701.8	352.3	199.8	150.0	107.4	
2	74.7	45.7	80.8	508.3	795.7	958.1	968.8	683.7	345.9	199.8	150.0	107.4	
3	74.7	45.7	87.1	563.9	776.4	1001.1	958.1	674.8	333.2	195.0	150.0	107.4	
4	71.8	43.4	93.6	572.1	766.9	1033.9	947.5	665.9	327.0	195.0	145.9	103.6	
5	71.8	43.4	97.0	580.3	825.0	1045.0	937.0	657.1	314.7	195.0	145.9	103.8	
6	68.9	43.4	103.8	622.4	895.4	1012.0	937.0	639.6	308.7	190.3	145.9	100.4	
7	68.9	43.4	122.1	613.8	916.1	1012.0	926.5	631.0	302.7	190.3	141.8	100.4	
8	68.9	43.4	118.3	597.0	875.0	1022.9	916.1	622.4	290.8	185.6	141.8	100.4	
9	66.1	43.4	125.9	613.8	844.8	1045.0	905.7	613.8	285.0	185.6	141.8	100.4	
10	66.1	43.4	133.7	639.6	825.0	1067.3	895.4	605.4	279.2	185.6	137.7	97.0	
11	63.3	43.4	145.9	648.3	805.4	1112.6	885.2	597.0	273.5	180.9	137.7	97.0	
12	63.3	43.4	176.3	639.6	864.9	1158.9	875.0	588.6	267.9	180.9	137.7	93.6	
13	63.3	43.4	180.9	622.4	875.0	1230.0	864.9	572.1	262.3	180.9	133.7	93.6	
14	63.3	43.4	190.3	622.4	885.2	1194.2	854.8	563.9	256.8	176.3	133.7	93.6	
15	60.6	43.4	199.8	613.8	926.5	1158.9	844.8	555.8	251.3	176.3	133.7	90.3	
16	60.6	45.7	209.7	622.4	937.0	1124.1	844.8	539.7	245.9	176.3	129.8	90.3	
17	58.0	48.0	214.7	631.0	937.0	1112.6	844.8	531.8	240.5	171.8	129.8	87.1	
18	58.0	48.0	230.0	622.4	958.1	1089.8	844.8	523.9	235.3	171.8	129.8	87.1	
19	55.4	48.0	251.3	622.4	1001.1	1078.5	825.0	508.3	235.3	171.8	125.9	87.1	
20	55.4	55.4	235.3	622.4	1012.0	1067.3	815.2	500.6	230.0	167.3	125.9	83.9	
21	55.4	58.0	285.0	622.4	979.5	1067.3	805.4	485.3	224.8	167.3	125.9	83.9	
22	55.4	60.6	314.7	631.0	937.0	1055.1	795.7	470.3	224.8	167.3	122.1	83.9	
23	52.9	60.6	365.3	631.0	905.7	1045.0	786.0	455.6	219.7	167.3	122.1	80.8	
24	52.9	63.3	392.0	648.3	895.4	1033.9	776.4	448.3	219.7	162.9	122.1	80.8	
25	50.4	66.1	392.0	657.1	885.2	1022.9	757.4	433.8	214.7	162.9	118.3	80.8	
26	50.4	66.1	419.7	665.9	895.4	1012.0	748.0	426.7	214.7	158.6	118.3	80.8	
27	50.4	68.9	470.3	674.8	926.5	1012.0	748.0	412.7	209.7	158.6	114.6	77.7	
28	48.0	71.8	485.3	683.7	937.0	1001.1	729.4	398.8	209.7	158.6	114.6	77.7	
29	48.0	74.7	448.3	692.7		1001.1	720.1	392.0	204.7	154.3	114.6	74.7	
30	48.0	74.7	426.7	729.4		990.2	710.9	378.5	204.7	154.3	110.9	74.7	
31	48.0		433.8	748.0		979.5		365.3		154.3	110.9		
MEAN	60.4	52.3	242.2	625.7	888.2	1054.6	848.3	536.9	259.5	175.6	131.0	90.9	411.0
MAX.	77.7	74.7	485.3	748.0	1012.0	1230.0	979.5	701.8	352.3	199.8	150.0	107.4	1230.0
MIN.	48.0	43.4	77.7	433.8	766.9	947.5	710.9	365.3	204.7	154.3	110.9	74.7	43.4

[Discharge Rating Curve]: Q=31.695*(H-0.476)²

[Flow Regime (m3/s)]:

Q(95day): 683.7 Q(185day): 230.0 Q(275day): 100.4 Q(355day): 43.4

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

HM	ST.: 4-450 LUBUNGU													YEAR : 1963/64	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	1.98	1.86	2.23	2.83	3.54	4.82	4.48	3.14	2.32	2.10	1.95	1.77			
2	1.98	1.86	2.26	2.83	3.57	4.79	4.45	3.11	2.29	2.10	1.95	1.77			
3	1.98	1.86	2.29	2.87	3.63	4.79	4.42	3.02	2.29	2.07	1.95	1.77			
4	1.95	1.83	2.35	2.83	3.75	4.79	4.39	2.99	2.26	2.07	1.95	1.77			
5	1.95	1.86	2.38	2.87	3.84	4.79	4.36	2.96	2.26	2.07	1.92	1.77			
6	1.95	1.86	2.41	2.87	3.96	4.79	4.33	2.93	2.26	2.07	1.92	1.74			
7	1.95	1.86	2.53	2.87	4.05	4.79	4.30	2.90	2.26	2.07	1.92	1.74			
8	1.92	1.89	2.56	2.96	4.11	4.82	4.27	2.83	2.23	2.04	1.92	1.74			
9	1.92	1.92	2.62	3.02	4.18	4.82	4.24	2.80	2.23	2.04	1.92	1.74			
10	1.92	1.92	2.71	3.05	4.21	4.82	4.18	2.77	2.23	2.04	1.92	1.71			
11	1.89	1.95	2.77	3.14	4.24	4.85	4.15	2.74	2.23	2.04	1.92	1.71			
12	1.89	1.98	2.83	3.23	4.24	4.88	4.11	2.71	2.19	2.04	1.89	1.71			
13	1.89	2.01	2.87	3.32	4.30	4.88	4.05	2.68	2.19	2.04	1.89	1.71			
14	1.89	2.01	2.87	3.38	4.39	4.88	4.02	2.65	2.19	2.01	1.89	1.71			
15	1.86	2.01	2.87	3.35	4.45	4.88	3.96	2.62	2.19	2.01	1.89	1.68			
16	1.86	2.04	2.87	3.32	4.60	4.88	3.93	2.59	2.16	2.01	1.89	1.68			
17	1.86	2.04	2.87	3.29	5.00	4.88	3.87	2.56	2.16	2.01	1.89	1.68			
18	1.83	2.04	2.83	3.29	5.15	4.88	3.84	2.53	2.16	2.01	1.86	1.68			
19	1.83	2.07	2.83	3.26	5.03	4.85	3.78	2.50	2.16	2.01	1.86	1.68			
20	1.83	2.07	2.87	3.26	4.94	4.82	3.72	2.47	2.16	2.01	1.86	1.68			
21	1.83	2.10	2.87	3.29	5.00	4.79	3.66	2.47	2.16	2.01	1.86	1.65			
22	1.80	2.13	2.90	3.29	4.91	4.75	3.63	2.44	2.13	2.01	1.86	1.65			
23	1.80	2.13	2.90	3.32	4.91	4.72	3.57	2.44	2.13	2.01	1.86	1.62			
24	1.80	2.13	2.93	3.32	4.91	4.72	3.51	2.44	2.13	2.01	1.86	1.62			
25	1.80	2.16	2.93	3.38	4.88	4.69	3.44	2.41	2.13	2.01	1.86	1.62			
26	1.80	2.16	2.93	3.38	4.88	4.66	3.38	2.41	2.13	1.98	1.83	1.62			
27	1.83	2.13	2.93	3.41	4.88	4.63	3.32	2.38	2.10	1.98	1.83	1.62			
28	1.86	2.16	2.90	3.47	4.85	4.60	3.29	2.35	2.10	1.98	1.80	1.58			
29	1.86	2.16	2.87	3.51	4.85	4.57	3.23	2.35	2.10	1.98	1.80	1.58			
30	1.86	2.19	2.87	3.54		4.54	3.20	2.32	2.07	1.98	1.80	1.58			
31	1.86		2.83	3.54		4.51		2.32		1.98	1.80				
MEAN	1.88	2.01	2.73	3.20	4.46	4.77	3.90	2.64	2.19	2.03	1.88	1.68	2.78		
MAX.	1.98	2.19	2.93	3.54	5.15	4.88	4.48	3.14	2.32	2.10	1.95	1.77	5.15		
MIN.	1.80	1.83	2.23	2.83	3.54	4.51	3.20	2.32	2.07	1.98	1.80	1.58	1.58		

QM	ST.: 4-450 LUBUNGU													YEAR : 1963/64	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	71.8	60.6	97.0	176.3	296.7	597.0	508.3	224.8	107.4	83.9	68.9	52.9			
2	71.8	60.6	100.4	176.3	302.7	588.6	500.6	219.7	103.8	83.9	68.9	52.9			
3	71.8	60.6	103.8	180.9	314.7	588.6	492.9	204.7	103.8	80.8	68.9	52.9			
4	68.9	58.0	110.9	176.3	339.5	588.6	485.3	199.8	100.4	80.8	68.9	52.9			
5	68.9	60.6	114.6	180.9	358.8	588.6	477.8	195.0	100.4	80.8	66.1	52.9			
6	68.9	60.6	118.3	180.9	385.3	588.6	470.3	190.3	100.4	80.8	66.1	50.4			
7	68.9	60.6	133.7	180.9	405.7	588.6	462.9	185.6	100.4	80.8	66.1	50.4			
8	66.1	63.3	137.7	195.0	419.7	597.0	455.6	176.3	97.0	77.7	66.1	50.4			
9	66.1	66.1	145.9	204.7	433.8	597.0	448.3	171.8	97.0	77.7	66.1	50.4			
10	66.1	66.1	158.6	209.7	441.0	597.0	433.8	167.3	97.0	77.7	66.1	48.0			
11	63.3	68.9	167.3	224.8	448.3	605.4	426.7	162.9	97.0	77.7	66.1	48.0			
12	63.3	71.9	176.3	240.5	448.3	613.8	419.7	159.6	93.6	77.7	63.3	48.0			
13	63.3	74.7	180.9	256.8	462.9	613.8	405.7	154.3	93.6	77.7	63.3	48.0			
14	63.3	74.7	180.9	267.9	485.3	613.8	398.8	150.0	93.6	74.7	63.3	48.0			
15	60.6	74.7	180.9	262.3	500.6	613.8	385.3	145.9	93.6	74.7	63.3	45.7			
16	60.6	77.7	180.9	256.8	539.7	613.8	378.5	141.8	90.3	74.7	63.3	45.7			
17	60.6	77.7	180.9	251.3	548.3	613.8	365.3	137.7	90.3	74.7	63.3	45.7			
18	58.0	77.7	176.3	251.3	692.7	613.8	358.8	133.7	90.3	74.7	60.6	45.7			
19	58.0	80.8	176.3	245.9	657.1	605.4	345.9	129.8	90.3	74.7	60.6	45.7			
20	58.0	80.8	180.9	245.9	631.0	597.0	333.2	125.9	90.3	74.7	60.6	45.7			
21	58.0	83.9	180.9	251.3	648.3	588.6	320.8	125.9	90.3	74.7	60.6	43.4			
22	55.4	87.1	185.6	251.3	622.4	580.3	314.7	122.1	87.1	74.7	60.6	43.4			
23	55.4	87.1	185.6	256.8	622.4	572.1	302.7	122.1	87.1	74.7	60.6	41.2			
24	55.4	87.1	190.3	256.8	622.4	572.1	290.8	122.1	87.1	74.7	60.6	41.2			
25	55.4	90.3	190.3	267.9	613.8	563.9	279.2	118.3	87.1	74.7	60.6	41.2			
26	55.4	90.3	190.3	267.9	613.8	555.8	267.9	118.3	87.1	71.8	58.0	41.2			
27	58.0	87.1	190.3	273.5	613.8	547.7	256.8	114.6	83.9	71.8	58.0	41.2			
28	60.6	90.3	185.6	285.0	605.4	539.7	251.3	110.9	83.9	71.8	55.4	39.0			
29	60.6	90.3	180.9	290.8	605.4	531.8	240.5	110.9	83.9	71.8	55.4	39.0			
30	60.6	93.6	180.9	296.7		523.9	235.3	107.4	80.8	71.8	55.4	39.0			
31	60.6		176.3	296.7		516.0		107.4		71.8	55.4				
MEAN	62.4	75.5	162.6	237.4	509.6	584.4	377.1	150.2	93.0	76.3	62.6	46.3	202.0		
MAX.	71.8	93.6	190.3	296.7	692.7	613.8	508.3	224.8	107.4	83.9	68.9	52.9	692.7		
MIN.	55.4	58.0	97.0	176.3	296.7	516.0	235.3	107.4	80.8	71.8	55.4	39.0	39.0		

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 262.3 Q(185day): 100.4 Q(275day): 68.9 Q(355day): 45.7

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

HM ST.: 4-450 LUBUNGU		YEAR : 1964/65											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.58	1.37	1.55	2.10	3.90	4.15	3.81	2.87	2.10	1.89	1.77	1.62	
2	1.58	1.37	1.62	2.16	3.90	4.11	3.81	2.83	2.10	1.86	1.77	1.58	
3	1.58	1.37	1.65	2.26	3.99	4.11	3.78	2.77	2.07	1.86	1.77	1.58	
4	1.55	1.37	1.68	2.35	4.02	4.11	3.75	2.74	2.07	1.86	1.74	1.58	
5	1.55	1.37	1.71	2.41	4.02	4.11	3.72	2.71	2.07	1.86	1.74	1.58	
6	1.55	1.40	1.71	2.47	4.08	4.11	3.69	2.68	2.04	1.83	1.74	1.58	
7	1.52	1.40	1.74	2.47	4.21	4.11	3.66	2.65	2.04	1.83	1.74	1.58	
8	1.52	1.40	1.77	2.47	4.27	4.11	3.63	2.59	2.04	1.83	1.74	1.55	
9	1.52	1.40	1.80	2.56	4.27	4.15	3.60	2.56	2.01	1.83	1.74	1.55	
10	1.49	1.40	1.80	2.74	4.27	4.15	3.57	2.53	2.01	1.83	1.74	1.55	
11	1.49	1.40	1.80	2.80	4.27	4.15	3.57	2.50	1.98	1.83	1.71	1.55	
12	1.49	1.40	1.83	2.77	4.24	4.15	3.54	2.47	1.98	1.83	1.71	1.52	
13	1.49	1.43	1.83	2.80	4.21	4.11	3.51	2.44	1.98	1.83	1.71	1.52	
14	1.49	1.43	1.83	2.96	4.24	4.11	3.47	2.44	1.98	1.83	1.71	1.52	
15	1.46	1.43	1.80	3.14	4.24	4.08	3.44	2.41	1.98	1.83	1.71	1.52	
16	1.46	1.43	1.80	3.23	4.27	4.08	3.41	2.38	1.98	1.83	1.68	1.52	
17	1.46	1.43	1.83	3.35	4.27	4.05	3.38	2.35	1.98	1.80	1.68	1.52	
18	1.46	1.46	1.83	3.47	4.27	4.05	3.35	2.32	1.95	1.80	1.68	1.52	
19	1.43	1.46	1.83	3.44	4.24	4.05	3.32	2.32	1.95	1.80	1.68	1.52	
20	1.43	1.49	1.86	3.44	4.21	4.02	3.29	2.29	1.95	1.80	1.68	1.52	
21	1.43	1.49	1.83	3.47	4.21	4.02	3.26	2.26	1.95	1.80	1.65	1.52	
22	1.43	1.55	1.86	3.51	4.18	3.99	3.20	2.23	1.95	1.80	1.65	1.52	
23	1.43	1.55	1.86	3.51	4.15	3.99	3.17	2.23	1.92	1.80	1.65	1.49	
24	1.40	1.55	1.89	3.69	4.15	3.96	3.14	2.19	1.92	1.80	1.65	1.49	
25	1.40	1.52	1.89	3.72	4.15	3.96	3.11	2.19	1.92	1.80	1.65	1.49	
26	1.40	1.52	1.92	3.72	4.18	3.93	3.05	2.16	1.92	1.80	1.65	1.46	
27	1.40	1.52	1.92	3.72	4.18	3.93	3.02	2.16	1.92	1.80	1.62	1.49	
28	1.37	1.52	1.92	3.75	4.11	3.90	2.99	2.16	1.89	1.77	1.62	1.46	
29	1.37	1.55	1.92	3.96		3.87	2.96	2.13	1.89	1.77	1.62	1.43	
30	1.40	1.55	1.95	3.84		3.87	2.90	2.13	1.89	1.77	1.62	1.40	
31	1.37		2.01	3.87		3.84		2.10		1.77	1.62		
MEAN	1.47	1.45	1.81	3.10	4.17	4.04	3.40	2.41	1.98	1.82	1.69	1.53	2.40
MAX.	1.58	1.55	2.01	3.96	4.27	4.15	3.81	2.87	2.10	1.89	1.77	1.62	4.27
MIN.	1.37	1.37	1.55	2.10	3.90	3.84	2.90	2.10	1.89	1.77	1.62	1.40	1.37

QM ST.: 4-450 LUBUNGU		YEAR : 1964/65											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	39.0	25.4	36.9	83.9	371.9	426.7	352.3	180.9	83.9	63.3	52.9	41.2	
2	39.0	25.4	41.2	90.3	371.9	419.7	352.3	176.3	83.9	60.6	52.9	39.0	
3	39.0	25.4	43.4	100.4	392.0	419.7	345.9	167.3	80.8	60.6	52.9	39.0	
4	36.9	25.4	45.7	110.9	398.8	419.7	339.5	162.9	80.8	60.6	50.4	39.0	
5	36.9	25.4	48.0	118.3	398.8	419.7	333.2	158.6	80.8	60.6	50.4	39.0	
6	36.9	27.2	48.0	125.9	412.7	419.7	327.0	154.3	77.7	58.0	50.4	39.0	
7	34.8	27.2	50.4	125.9	441.0	419.7	320.8	150.0	77.7	58.0	50.4	39.0	
8	34.8	27.2	52.9	125.9	455.6	419.7	314.7	141.8	77.7	58.0	50.4	36.9	
9	34.8	27.2	55.4	137.7	455.6	426.7	308.7	137.7	74.7	58.0	50.4	36.9	
10	32.8	27.2	55.4	162.9	455.6	426.7	302.7	133.7	74.7	58.0	50.4	36.9	
11	32.8	27.2	55.4	171.8	455.6	426.7	302.7	129.8	71.8	58.0	48.0	36.9	
12	32.8	27.2	58.0	167.3	448.3	426.7	296.7	125.9	71.8	58.0	48.0	34.8	
13	32.8	29.0	58.0	171.8	441.0	419.7	290.8	122.1	71.8	58.0	48.0	34.8	
14	32.8	29.0	58.0	195.0	448.3	419.7	285.0	122.1	71.8	58.0	48.0	34.8	
15	30.9	29.0	55.4	224.8	448.3	412.7	279.2	118.3	71.8	58.0	48.0	34.8	
16	30.9	29.0	55.4	240.5	455.6	412.7	273.5	114.6	71.8	58.0	45.7	34.8	
17	30.9	29.0	58.0	262.3	455.6	405.7	267.9	110.9	71.8	55.4	45.7	34.8	
18	30.9	30.9	58.0	285.0	455.6	405.7	262.3	107.4	68.9	55.4	45.7	34.8	
19	29.0	30.9	58.0	279.2	448.3	405.7	256.8	107.4	68.9	55.4	45.7	34.8	
20	29.0	32.8	60.6	279.2	441.0	398.8	251.3	103.8	68.9	55.4	45.7	34.8	
21	29.0	32.8	58.0	285.0	441.0	398.8	245.9	100.4	68.9	55.4	43.4	34.8	
22	29.0	36.9	60.6	290.8	433.8	392.0	235.3	97.0	68.9	55.4	43.4	34.8	
23	29.0	36.9	60.6	290.8	426.7	392.0	230.0	97.0	66.1	55.4	43.4	32.8	
24	27.2	36.9	63.3	327.0	426.7	385.3	224.8	93.6	66.1	55.4	43.4	32.8	
25	27.2	34.8	63.3	333.2	426.7	385.3	219.7	93.6	66.1	55.4	43.4	32.8	
26	27.2	34.8	66.1	333.2	433.8	378.5	209.7	90.3	66.1	55.4	43.4	30.9	
27	27.2	34.8	66.1	333.2	433.8	378.5	204.7	90.3	66.1	55.4	41.2	32.8	
28	25.4	34.8	66.1	339.5	419.7	371.9	199.8	90.3	63.3	52.9	41.2	30.9	
29	25.4	36.9	66.1	385.3		365.3	195.0	87.1	63.3	52.9	41.2	29.0	
30	27.2	36.9	68.9	358.8		365.3	185.6	87.1	63.3	52.9	41.2	27.2	
31	25.4		74.7	365.3		358.8		83.9		52.9	41.2		
MEAN	31.5	30.4	57.0	229.1	431.9	404.0	273.8	120.5	72.0	56.9	46.7	35.2	147.3
MAX.	39.0	36.9	74.7	385.3	455.6	426.7	352.3	180.9	83.9	63.3	52.9	41.2	455.6
MIN.	25.4	25.4	36.9	83.9	371.9	358.8	185.6	83.9	63.3	52.9	41.2	27.2	25.4

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 245.9 Q(185day): 63.3 Q(275day): 39.0 Q(355day): 27.2

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

HM	ST.: 4-450 LUBUNGU			YEAR : 1965/66									[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.40	1.28	1.49	2.04	2.35	3.60	3.81	2.93	2.13	1.83	1.65	1.52		
2	1.40	1.28	1.49	2.07	2.29	3.60	3.81	2.87	2.10	1.83	1.65	1.49		
3	1.40	1.28	1.52	2.07	2.47	3.57	3.78	2.83	2.10	1.80	1.65	1.49		
4	1.37	1.28	1.52	2.07	2.44	3.54	3.78	2.80	2.07	1.80	1.65	1.49		
5	1.40	1.28	1.55	2.07	2.50	3.57	3.78	2.74	2.07	1.80	1.62	1.49		
6	1.40	1.28	1.55	2.07	2.50	3.60	3.75	2.71	2.04	1.80	1.65	1.46		
7	1.37	1.28	1.58	2.04	2.47	3.63	3.75	2.68	2.04	1.80	1.62	1.46		
8	1.37	1.28	1.62	2.07	2.53	3.66	3.72	2.68	2.01	1.80	1.62	1.46		
9	1.37	1.31	1.62	2.07	2.59	3.66	3.72	2.62	2.01	1.77	1.62	1.46		
10	1.37	1.28	1.62	2.10	2.65	3.69	3.72	2.62	1.98	1.77	1.62	1.46		
11	1.37	1.28	1.65	2.10	2.68	3.75	3.66	2.59	1.98	1.77	1.58	1.46		
12	1.37	1.31	1.68	2.10	2.80	3.90	3.66	2.56	1.98	1.77	1.58	1.43		
13	1.37	1.25	1.71	2.10	2.93	3.93	3.63	2.50	1.95	1.77	1.58	1.43		
14	1.37	1.28	1.74	2.10	3.08	3.96	3.60	2.47	1.95	1.77	1.58	1.43		
15	1.34	1.31	1.77	2.10	3.05	3.99	3.57	2.44	1.95	1.74	1.58	1.43		
16	1.34	1.28	1.83	2.10	2.99	3.96	3.54	2.41	1.92	1.74	1.58	1.43		
17	1.34	1.31	1.80	2.10	2.99	3.93	3.51	2.41	1.92	1.74	1.58	1.43		
18	1.34	1.37	1.83	2.13	3.02	3.90	3.44	2.38	1.92	1.74	1.58	1.43		
19	1.34	1.40	1.86	2.16	3.05	3.90	3.41	2.35	1.92	1.71	1.55	1.43		
20	1.34	1.43	1.89	2.16	3.08	3.87	3.38	2.32	1.89	1.71	1.55	1.43		
21	1.34	1.43	1.89	2.13	3.08	3.87	3.35	2.29	1.89	1.71	1.55	1.40		
22	1.34	1.43	1.92	2.13	3.14	3.87	3.29	2.29	1.89	1.71	1.55	1.40		
23	1.34	1.43	1.92	2.13	3.14	3.84	3.26	2.26	1.89	1.71	1.55	1.40		
24	1.31	1.46	1.95	2.13	3.20	3.84	3.20	2.26	1.89	1.68	1.55	1.37		
25	1.31	1.46	1.98	2.13	3.23	3.84	3.17	2.23	1.86	1.68	1.55	1.37		
26	1.31	1.49	1.98	2.13	3.26	3.84	3.14	2.23	1.86	1.68	1.52	1.37		
27	1.31	1.49	2.01	2.13	3.32	3.84	3.08	2.19	1.86	1.68	1.52	1.37		
28	1.31	1.49	2.01	2.23	3.51	3.84	3.05	2.19	1.83	1.68	1.52	1.37		
29	1.31	1.49	2.01	2.19		3.84	2.99	2.16	1.83	1.65	1.52	1.37		
30	1.28	1.49	2.01	2.26		3.84	2.96	2.16	1.83	1.65	1.52	1.37		
31	1.28		2.04	2.32		3.81		2.13		1.65	1.52			
MEAN	1.35	1.36	1.78	2.12	2.87	3.79	3.48	2.46	1.95	1.74	1.58	1.43	2.15	
MAX.	1.40	1.49	2.04	2.32	3.51	3.99	3.81	2.93	2.13	1.83	1.65	1.52	3.99	
MIN.	1.28	1.25	1.49	2.04	2.29	3.54	2.96	2.13	1.83	1.65	1.52	1.37	1.25	

QM	ST.: 4-450 LUBUNGU			YEAR : 1965/66									[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	27.2	20.5	32.8	77.7	110.9	308.7	352.3	190.3	87.1	58.0	43.4	34.8		
2	27.2	20.5	32.8	80.8	103.8	308.7	352.3	180.9	83.9	58.0	43.4	32.8		
3	27.2	20.5	34.8	80.8	125.9	302.7	345.9	176.3	83.9	55.4	43.4	32.8		
4	25.4	20.5	34.8	80.8	122.1	296.7	345.9	171.8	80.8	55.4	43.4	32.8		
5	27.2	20.5	36.9	80.8	129.8	302.7	345.9	162.9	80.8	55.4	41.2	32.8		
6	27.2	20.5	36.9	80.8	129.8	308.7	339.5	158.6	77.7	55.4	43.4	30.9		
7	25.4	20.5	39.0	77.7	125.9	314.7	339.5	154.3	77.7	55.4	41.2	30.9		
8	25.4	20.5	41.2	80.8	133.7	320.8	333.2	154.3	74.7	55.4	41.2	30.9		
9	25.4	22.1	41.2	80.8	141.8	320.8	333.2	145.9	74.7	52.9	41.2	30.9		
10	25.4	20.5	41.2	83.9	150.0	327.0	333.2	145.9	71.8	52.9	41.2	30.9		
11	25.4	20.5	43.4	83.9	154.3	339.5	320.8	141.8	71.8	52.9	39.0	30.9		
12	25.4	22.1	45.7	83.9	171.8	371.9	320.8	137.7	71.8	52.9	39.0	29.0		
13	25.4	19.0	48.0	83.9	190.3	378.5	314.7	129.8	68.9	52.9	39.0	29.0		
14	25.4	20.5	50.4	83.9	214.7	385.3	308.7	125.9	68.9	52.9	39.0	29.0		
15	23.7	22.1	52.9	83.9	209.7	392.0	302.7	122.1	68.9	50.4	39.0	29.0		
16	23.7	20.5	58.0	83.9	199.8	385.3	296.7	118.3	66.1	50.4	39.0	29.0		
17	23.7	22.1	55.4	83.9	199.8	378.5	290.8	118.3	66.1	50.4	39.0	29.0		
18	23.7	25.4	58.0	87.1	204.7	371.9	279.2	114.6	66.1	50.4	39.0	29.0		
19	23.7	27.2	60.6	90.3	209.7	371.9	273.5	110.9	66.1	48.0	36.9	29.0		
20	23.7	29.0	63.3	90.3	214.7	365.3	267.9	107.4	63.3	48.0	36.9	29.0		
21	23.7	29.0	63.3	87.1	214.7	365.3	262.3	103.8	63.3	48.0	36.9	27.2		
22			66.1	87.1	224.8	365.3	251.3	103.8	63.3	48.0	36.9	27.2		
23	23.7	29.0	66.1	87.1	224.8	358.8	245.9	100.4	63.3	48.0	36.9	27.2		
24	22.1	30.9	68.9	87.1	235.3	358.8	235.3	100.4	63.3	45.7	36.9	25.4		
25	22.1	30.9	71.8	87.1	240.5	358.8	230.0	97.0	60.6	45.7	36.9	25.4		
26	22.1	32.8	71.8	87.1	245.9	358.8	224.8	97.0	60.6	45.7	34.8	25.4		
27	22.1	32.8	74.7	87.1	256.8	358.8	214.7	93.6	60.6	45.7	34.8	25.4		
28	22.1	32.8	74.7	97.0	290.8	358.8	209.7	93.6	58.0	45.7	34.8	25.4		
29	22.1	32.8	74.7	93.6		358.8	199.8	90.3	58.0	43.4	34.8	25.4		
30	20.5	32.8	74.7	100.4		358.8	195.0	90.3	58.0	43.4	34.8	25.4		
31	20.5		77.7	107.4		352.3		87.1		43.4	34.8			
MEAN	24.2	24.9	54.6	86.1	184.9	348.5	288.9	126.6	69.4	50.5	38.8	29.1	110.0	
MAX.	27.2	32.8	77.7	107.4	290.8	392.0	352.3	190.3	87.1	58.0	43.4	34.8	392.0	
MIN.	20.5	19.0	32.8	77.7	103.8	296.7	195.0	87.1	58.0	43.4	34.8	25.4	19.0	

[Discharge Rating Curve]: Q=31.695*(H-0.476)²

[Flow Regime (m3/s)]:

Q(95day): 129.8 Q(185day): 63.3 Q(275day): 32.8 Q(355day): 20.5

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

HM		ST.: 4-450 LUBUNGU											YEAR : 1966/67		[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	1.36	1.14	1.14	1.63	2.34	3.08	4.11	3.94	2.57	1.98	1.75	1.61			
2	1.35	1.14	1.15	1.66	2.35	3.10	4.11	3.93	2.53	1.98	1.75	1.60			
3	1.35	1.14	1.14	1.67	2.33	3.21	4.10	3.92	2.48	1.96	1.75	1.60			
4	1.34	1.12	1.13	1.68	2.38	3.25	4.08	3.90	2.45	1.95	1.74	1.59			
5	1.33	1.12	1.13	1.69	2.40	3.22	4.08	3.89	2.42	1.94	1.73	1.59			
6	1.31	1.12	1.13	1.73	2.42	3.20	4.07	3.86	2.39	1.94	1.73	1.58			
7	1.30	1.13	1.13	1.76	2.45	3.21	4.06	3.84	2.36	1.92	1.72	1.58			
8	1.30	1.15	1.16	1.78	2.54	3.23	4.05	3.82	2.33	1.91	1.73	1.57			
9	1.29	1.15	1.27	1.79	2.58	3.26	4.05	3.79	2.31	1.90	1.73	1.55			
10	1.29	1.16	1.23	1.77	2.65	3.29	4.05	3.76	2.28	1.90	1.71	1.55			
11	1.27	1.17	1.27	1.77	2.66	3.33	4.05	3.75	2.27	1.89	1.70	1.55			
12	1.27	1.16	1.27	1.83	2.65	3.35	4.05	3.69	2.24	1.87	1.70	1.54			
13	1.26	1.15	1.30	1.80	2.68	3.07	4.05	3.65	2.22	1.86	1.70	1.54			
14	1.26	1.14	1.26	1.82	2.69	3.40	4.04	3.62	2.20	1.86	1.69	1.54			
15	1.25	1.15	1.23	1.87	2.73	3.43	4.04	3.56	2.18	1.86	1.69	1.54			
16	1.25	1.14	1.28	1.90	2.73	3.48	4.04	3.51	2.16	1.85	1.69	1.54			
17	1.25	1.14	1.33	1.92	2.70	3.53	4.03	3.46	2.14	1.85	1.68	1.53			
18	1.25	1.14	1.39	1.94	2.69	3.60	4.03	3.41	2.12	1.83	1.67	1.53			
19	1.24	1.13	1.41	2.01	2.71	3.66	4.03	3.35	2.10	1.83	1.67	1.51			
20	1.23	1.13	1.37	2.05	2.69	3.69	4.02	3.28	2.09	1.82	1.66	1.51			
21	1.23	1.14	1.34	2.08	2.70	3.74	4.01	3.22	2.08	1.81	1.66	1.48			
22	1.22	1.16	1.34	2.09	2.72	3.79	4.00	3.15	2.07	1.80	1.66	1.47			
23	1.22	1.16	1.36	2.12	2.77	3.80	3.99	3.09	2.06	1.80	1.64	1.46			
24	1.20	1.17	1.38	2.13	2.83	3.81	3.98	3.03	2.05	1.80	1.64	1.47			
25	1.19	1.17	1.42	2.15	2.79	3.82	3.97	2.96	2.04	1.78	1.64	1.46			
26	1.18	1.17	1.46	2.17	2.95	3.86	3.96	2.90	2.03	1.78	1.64	1.45			
27	1.17	1.16	1.50	2.21	2.96	3.94	3.94	2.84	2.02	1.79	1.64	1.44			
28	1.16	1.16	1.54	2.22	3.03	3.97	3.94	2.78	2.01	1.79	1.63	1.44			
29	1.16	1.15	1.58	2.28		3.97	3.94	2.72	2.00	1.77	1.62	1.44			
30	1.15	1.14	1.61	2.41		3.96	3.96	2.67	1.99	1.76	1.62	1.43			
31	1.15		1.62	2.38		4.07		2.62		1.76	1.62				
MEAN	1.25	1.15	1.32	1.95	2.65	3.53	4.03	3.42	2.21	1.86	1.68	1.52	2.21		
MAX.	1.36	1.17	1.62	2.41	3.03	4.07	4.11	3.94	2.57	1.98	1.75	1.61	4.11		
MIN.	1.15	1.12	1.13	1.63	2.33	3.07	3.94	2.62	1.99	1.76	1.62	1.43	1.12		

QM		ST.: 4-450 LUBUNGU											YEAR : 1966/67		[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	24.9	14.0	13.8	42.5	110.6	215.2	417.6	380.6	138.9	72.1	51.7	40.5			
2	24.4	14.0	14.5	44.1	111.3	218.2	419.7	377.2	133.3	71.2	51.4	40.3			
3	24.1	13.8	14.1	45.0	109.5	236.8	415.5	375.2	127.8	70.1	51.4	40.1			
4	23.6	13.2	13.7	46.1	114.6	244.3	411.3	371.9	123.6	68.9	50.7	39.6			
5	22.9	13.2	13.5	46.8	116.8	238.4	412.0	368.6	119.4	68.4	50.2	39.4			
6	22.2	13.3	13.7	49.9	120.2	234.7	409.2	363.3	116.1	67.5	49.7	38.6			
7	21.8	13.6	13.6	52.4	124.0	236.8	406.4	359.4	112.0	66.4	49.2	38.8			
8	21.3	14.5	14.9	53.6	134.9	240.5	404.3	354.2	109.5	65.3	49.5	37.9			
9	21.0	14.4	20.2	54.4	140.9	246.4	404.3	347.8	106.3	64.2	49.5	36.9			
10	20.8	14.6	17.8	53.4	150.5	250.8	404.3	342.1	103.5	64.2	48.5	36.7			
11	20.2	15.3	19.9	52.9	151.7	258.4	405.0	338.9	102.1	63.6	47.8	36.4			
12	19.9	14.9	20.2	58.3	149.2	261.8	405.0	327.6	98.3	61.7	47.8	36.0			
13	19.7	14.4	21.6	55.7	153.4	213.2	404.3	319.6	96.6	60.9	47.8	36.0			
14	19.4	14.1	19.7	57.2	155.6	270.7	403.7	312.9	94.6	60.4	46.8	36.0			
15	19.1	14.4	18.1	62.0	160.7	277.0	401.6	302.1	92.3	60.4	46.8	35.8			
16	19.0	14.0	20.3	64.4	161.6	286.8	401.6	292.0	89.7	60.1	46.6	35.6			
17	19.1	14.0	22.9	66.4	157.3	295.5	400.9	282.7	87.4	59.6	45.9	35.4			
18	18.8	13.8	26.5	68.4	154.7	308.7	400.2	272.4	85.2	58.5	45.2	35.0			
19	18.4	13.7	27.4	74.7	158.1	322.1	399.5	262.3	83.9	58.0	45.0	34.0			
20	17.9	13.6	25.6	79.0	156.0	327.6	398.2	249.7	82.3	57.5	44.7	33.6			
21	17.8	14.1	23.9	81.1	156.8	337.6	395.4	237.9	81.4	56.7	44.5	32.2			
22	17.5	14.9	23.9	83.0	159.0	349.1	394.1	226.9	80.8	55.9	44.1	31.3			
23	17.5	14.9	24.6	85.8	166.9	351.0	391.3	217.2	79.6	55.9	43.2	30.9			
24	16.8	15.4	25.9	87.1	175.0	352.3	388.6	206.7	78.3	55.2	43.2	31.1			
25	16.2	15.4	28.3	88.7	170.0	353.6	385.9	196.0	77.4	54.1	43.2	30.5			
26	15.7	15.3	30.9	90.6	194.1	362.7	383.9	186.5	76.5	54.1	43.2	29.9			
27	15.4	14.8	33.2	94.9	195.5	381.2	381.2	176.8	75.6	54.7	42.9	29.7			
28	15.0	14.6	36.0	96.6	206.2	385.9	379.9	167.8	74.5	54.4	42.3	29.6			
29	14.9	14.2	38.3	103.1		387.3	379.9	160.3	73.6	52.9	41.6	29.4			
30	14.5	14.0	40.5	118.3		384.6	385.3	152.6	73.0	52.1	41.4	29.0			
31	14.2		41.4	115.3		409.9		145.0		51.9	41.2				
MEAN	19.2	14.3	23.2	70.1	150.5	298.0	399.7	279.8	95.8	60.5	46.3	34.9	124.0		
MAX.	24.9	15.4	41.4	118.3	206.2	409.9	419.7	380.6	138.9	72.1	51.7	40.5	419.7		
MIN.	14.2	13.2	13.5	42.5	109.5	213.2	379.9	145.0	73.0	51.9	41.2	29.0	13.2		

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 166.9 Q(185day): 58.5 Q(275day): 29.9 Q(355day): 13.8

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

HM	ST.: 4-450 LUBUNGU			YEAR : 1967/68									[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.43	1.33	1.58	2.12	3.00	3.53	3.44	2.79	2.02	1.78	1.69	1.54		
2	1.42	1.33	1.61	2.11	3.04	3.54	3.44	2.76	2.00	1.78	1.69	1.54		
3	1.41	1.34	1.64	2.11	3.07	3.53	3.43	2.72	1.99	1.79	1.68	1.52		
4	1.41	1.34	1.69	2.12	3.13	3.52	3.43	2.70	1.98	1.78	1.68	1.53		
5	1.40	1.35	1.72	2.12	3.16	3.52	3.42	2.67	1.98	1.79	1.68	1.52		
6	1.39	1.34	1.73	2.15	3.19	3.51	3.41	2.65	1.96	1.78	1.68	1.55		
7	1.38	1.34	1.71	2.15	3.21	3.49	3.40	2.63	1.95	1.78	1.68	1.52		
8	1.37	1.34	1.70	2.15	3.25	3.48	3.38	2.59	1.95	1.79	1.66	1.52		
9	1.37	1.37	1.71	2.17	3.29	3.46	3.36	2.57	1.94	1.78	1.65	1.50		
10	1.38	1.40	1.72	2.18	3.35	3.44	3.35	2.54	1.94	1.77	1.66	1.50		
11	1.37	1.43	1.75	2.19	3.38	3.43	3.33	2.51	1.93	1.77	1.66	1.49		
12	1.37	1.45	1.79	2.21	3.43	3.43	3.31	2.49	1.92	1.77	1.65	1.49		
13	1.36	1.48	1.84	2.23	3.46	3.45	3.29	2.47	1.91	1.77	1.65	1.46		
14	1.36	1.51	1.87	2.27	3.49	3.53	3.26	2.44	1.90	1.76	1.62	1.48		
15	1.36	1.51	1.90	2.30	3.50	3.56	3.24	2.43	1.89	1.76	1.62	1.48		
16	1.35	1.51	1.92	2.32	3.51	3.53	3.22	2.40	1.88	1.75	1.62	1.48		
17	1.35	1.50	1.94	2.39	3.59	3.51	3.19	2.36	1.87	1.75	1.62	1.47		
18	1.34	1.50	1.96	2.43	3.62	3.48	3.15	2.34	1.87	1.75	1.62	1.46		
19	1.33	1.54	1.97	2.48	3.59	3.45	3.14	2.31	1.86	1.74	1.62	1.47		
20	1.32	1.51	1.98	2.52	3.57	3.43	3.10	2.29	1.85	1.74	1.60	1.45		
21	1.32	1.54	1.99	2.55	3.57	3.42	3.07	2.26	1.85	1.74	1.59	1.45		
22	1.31	1.51	1.99	2.58	3.57	3.40	3.04	2.23	1.84	1.74	1.58	1.46		
23	1.30	1.51	2.05	2.68	3.56	3.40	3.01	2.20	1.83	1.73	1.58	1.44		
24	1.30	1.50	2.09	2.72	3.56	3.39	2.98	2.17	1.83	1.72	1.58	1.43		
25	1.28	1.50	2.09	2.76	3.55	3.40	2.96	2.15	1.81	1.71	1.59	1.42		
26	1.28	1.51	2.14	2.80	3.55	3.41	2.94	2.13	1.81	1.71	1.57	1.42		
27	1.30	1.51	2.11	2.83	3.54	3.42	2.90	2.11	1.80	1.71	1.58	1.42		
28	1.30	1.53	2.11	2.87	3.54	3.43	2.87	2.08	1.81	1.71	1.56	1.40		
29	1.33	1.55	2.20	2.92	3.52	3.43	2.84	2.07	1.81	1.71	1.55	1.41		
30	1.34	1.56	2.16	2.94	3.52	3.44	2.81	2.05	1.79	1.69	1.55	1.39		
31	1.34		2.12	2.97		3.44		2.03		1.68	1.54			
MEAN	1.35	1.45	1.90	2.43	3.41	3.46	3.19	2.39	1.89	1.75	1.62	1.47	2.19	
MAX.	1.43	1.56	2.20	2.97	3.62	3.56	3.44	2.79	2.02	1.79	1.69	1.55	3.62	
MIN.	1.28	1.33	1.58	2.11	3.00	3.39	2.81	2.03	1.79	1.68	1.54	1.39	1.26	

QM	ST.: 4-450 LUBUNGU			YEAR : 1967/68									[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	28.6	23.2	39.0	85.2	202.3	296.1	278.1	169.1	75.3	54.1	46.4	35.8		
2	28.3	23.1	40.9	84.5	208.7	296.7	277.5	164.7	73.9	54.1	46.4	35.8		
3	27.9	23.6	42.9	84.9	213.7	295.5	277.0	160.3	72.7	54.4	45.7	34.8		
4	27.5	23.7	46.4	85.2	223.3	293.2	275.8	156.4	72.1	54.1	45.7	35.4		
5	27.0	24.2	48.7	85.2	229.0	294.4	274.1	153.0	71.2	54.4	45.7	34.8		
6	26.5	23.6	49.5	88.7	233.2	292.0	273.0	149.6	70.1	54.1	45.7	36.4		
7	25.9	23.4	48.3	88.4	237.4	288.5	270.1	147.1	69.2	54.1	45.7	34.8		
8	25.1	23.9	47.8	89.3	243.7	285.6	267.3	142.2	68.6	54.4	44.5	34.8		
9	25.4	25.1	48.0	90.6	251.3	282.1	264.5	138.5	67.8	53.6	43.4	33.4		
10	26.1	27.2	49.2	92.0	261.2	278.1	261.8	134.9	67.5	53.1	44.1	33.4		
11	25.6	29.0	51.4	93.3	267.9	276.4	258.4	131.3	67.0	53.1	44.1	32.8		
12	25.1	30.3	54.7	94.9	275.8	275.8	255.1	128.2	65.8	52.9	43.8	32.4		
13	24.9	31.8	58.8	97.6	282.7	280.4	250.8	125.9	64.7	52.9	43.6	30.9		
14	24.9	33.8	61.7	102.1	288.5	296.1	246.4	122.8	64.2	52.4	41.2	31.8		
15	24.7	33.6	64.2	105.9	289.1	301.5	242.1	120.5	63.3	51.9	41.8	31.8		
16	24.1	33.6	66.4	108.1	292.6	296.1	238.4	116.8	62.5	51.7	41.2	31.8		
17	24.2	33.4	68.4	116.1	306.9	291.4	232.6	112.8	61.7	51.7	41.8	31.5		
18	23.9	33.0	70.1	120.9	314.1	286.2	226.9	109.9	61.5	51.4	41.8	30.9		
19	23.2	35.8	70.9	127.8	307.5	279.8	224.3	106.7	60.6	50.9	41.8	31.5		
20	22.7	34.2	71.8	132.5	303.9	275.8	218.2	103.8	59.8	50.7	40.1	29.9		
21	22.4	35.8	73.0	136.1	303.3	274.1	213.7	101.1	59.6	50.7	39.6	29.9		
22	21.9	33.8	73.0	140.9	302.7	271.3	208.7	97.3	58.8	50.7	39.0	30.5		
23	21.6	33.6	78.7	153.8	302.1	270.1	203.7	93.9	58.3	50.2	39.0	29.6		
24	21.3	33.2	82.7	159.0	300.9	269.6	198.9	90.6	57.7	49.2	39.0	29.0		
25	20.7	33.4	82.3	165.1	299.1	270.1	195.5	88.4	56.7	48.5	39.2	28.1		
26	20.5	33.6	88.0	170.9	299.1	273.5	191.7	86.8	56.2	48.0	37.9	28.1		
27	21.4	34.0	84.5	175.9	298.5	274.7	186.0	84.2	55.9	48.0	38.6	28.1		
28	21.4	35.0	84.2	181.8	297.3	276.4	181.4	81.7	56.7	48.0	37.5	27.2		
29	23.1	36.9	94.3	188.8	293.8	277.0	177.2	80.2	56.2	48.0	36.9	27.7		
30	23.6	37.3	90.3	192.6		277.5	172.7	78.0	54.7	46.8	36.9	26.3		
31	23.6		85.5	196.5		277.5		76.8		45.7	35.8			
MEAN	24.3	30.5	65.0	123.7	273.4	283.0	234.7	117.9	63.7	51.4	41.7	31.6	111.1	
MAX.	28.6	37.3	94.3	196.5	314.1	301.5	278.1	169.1	75.3	54.4	46.4	36.4	314.1	
MIN.	20.5	23.1	39.0	84.5	202.3	269.6	172.7	76.8	54.7	45.7	35.8	26.3	20.5	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 172.7 Q(185day): 62.5 Q(275day): 36.9 Q(355day): 23.2

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

HM ST.: 4-450 LUBUNGU		YEAR : 1968/69											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.39	1.19	1.43	2.75	4.46	5.30	6.32	5.40	4.46	3.15	2.69	2.38	
2	1.39	1.16	1.49	2.80	4.49	5.28	6.29	5.38	4.40	3.13	2.68	2.37	
3	1.38	1.17	1.46	2.84	4.47	5.27	6.28	5.35	4.37	3.10	2.67	2.37	
4	1.37	1.17	1.48	2.92	4.55	5.24	6.28	5.32	4.32	3.08	2.65	2.35	
5	1.37	1.17	1.46	2.98	4.61	5.23	6.34	5.29	4.28	3.06	2.65	2.34	
6	1.38	1.14	1.46	3.08	4.62	5.26	6.30	5.27	4.23	3.04	2.64	2.33	
7	1.36	1.13	1.49	3.15	4.61	5.39	6.23	5.24	4.18	3.02	2.63	2.33	
8	1.37	1.13	1.49	3.21	4.78	5.36	6.21	5.20	4.13	3.01	2.62	2.30	
9	1.34	1.14	1.52	3.28	4.80	5.33	6.17	5.15	4.07	3.00	2.61	2.29	
10	1.34	1.14	1.54	3.54	4.78	5.33	6.14	5.13	4.02	2.98	2.60	2.28	
11	1.33	1.13	1.57	3.70	4.75	5.32	6.11	5.11	3.97	2.95	2.59	2.27	
12	1.32	1.14	1.61	3.64	4.73	5.35	6.11	5.07	3.91	2.94	2.57	2.26	
13	1.31	1.16	1.63	3.61	4.97	5.36	6.09	5.05	3.86	2.93	2.56	2.25	
14	1.32	1.17	1.66	3.64	5.04	5.37	6.07	5.02	3.81	2.91	2.55	2.24	
15	1.31	1.16	1.73	3.72	5.01	5.43	6.05	4.99	3.76	2.90	2.55	2.23	
16	1.29	1.16	1.77	3.82	5.07	5.62	6.03	4.96	3.70	2.88	2.53	2.21	
17	1.28	1.16	1.82	3.87	5.06	5.70	6.01	4.93	3.66	2.87	2.52	2.19	
18	1.27	1.19	1.85	3.90	5.15	5.75	5.99	4.89	3.60	2.85	2.51	2.18	
19	1.26	1.19	1.92	3.88	5.19	5.78	5.95	4.90	3.55	2.84	2.50	2.16	
20	1.26	1.26	1.96	3.93	5.16	5.94	5.91	4.87	3.51	2.83	2.50	2.15	
21	1.26	1.23	2.00	3.92	5.13	6.07	5.86	4.84	3.47	2.82	2.48	2.14	
22	1.26	1.22	2.04	3.93	5.23	6.16	5.77	4.81	3.43	2.80	2.48	2.12	
23	1.25	1.23	2.08	3.98	5.30	6.25	5.69	4.78	3.38	2.78	2.47	2.12	
24	1.24	1.23	2.13	4.00	5.30	6.27	5.63	4.75	3.34	2.77	2.45	2.10	
25	1.22	1.23	2.19	4.02	5.25	6.32	5.59	4.71	3.31	2.76	2.44	2.09	
26	1.22	1.27	2.24	4.03	5.21	6.34	5.56	4.68	3.28	2.76	2.44	2.08	
27	1.21	1.30	2.27	4.05	5.32	6.33	5.52	4.65	3.25	2.73	2.44	2.07	
28	1.20	1.36	2.36	4.07	5.34	6.36	5.50	4.61	3.23	2.72	2.42	2.06	
29	1.20	1.44	2.42	4.11		6.36	5.47	4.57	3.20	2.71	2.41	2.06	
30	1.20	1.49	2.62	4.23		6.34	5.43	4.54	3.17	2.70	2.40	2.05	
31	1.19		2.64	4.35		6.34		4.50		2.69	2.39		
MEAN	1.29	1.21	1.85	3.64	4.94	5.73	5.96	4.97	3.76	2.90	2.54	2.21	3.41
MAX.	1.39	1.49	2.64	4.35	5.34	6.36	6.34	5.40	4.46	3.15	2.69	2.38	6.36
MIN.	1.19	1.13	1.43	2.75	4.46	5.23	5.43	4.50	3.17	2.69	2.39	2.05	1.13

QM ST.: 4-450 LUBUNGU		YEAR : 1968/69											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	26.3	16.1	29.0	164.2	502.9	738.7	1084.2	769.8	502.9	227.4	155.1	114.6	
2	26.3	14.8	32.4	171.8	510.6	732.1	1072.9	761.2	489.1	222.8	154.3	114.2	
3	25.9	15.4	30.9	177.7	506.7	727.5	1066.2	752.7	480.8	218.2	152.6	113.1	
4	25.4	15.4	31.8	189.3	526.2	718.3	1067.3	744.3	468.8	214.7	150.5	111.7	
5	25.4	15.4	30.9	198.9	542.1	715.5	1089.8	735.9	458.5	212.2	149.2	110.6	
6	25.9	14.1	30.9	214.7	543.7	724.7	1074.0	727.5	446.8	209.2	148.4	109.5	
7	24.6	13.5	32.4	226.4	542.1	765.0	1049.4	718.3	436.0	205.7	147.1	108.4	
8	25.1	13.5	32.8	236.8	586.9	755.5	1041.6	706.4	423.2	203.3	145.0	105.6	
9	23.7	14.1	34.8	248.6	592.8	746.1	1026.2	692.7	409.2	201.3	143.8	104.5	
10	23.4	13.8	35.8	298.5	586.9	746.1	1015.2	686.4	397.5	198.9	142.6	102.8	
11	22.9	13.5	37.9	330.1	578.6	743.3	1007.6	682.0	387.3	194.1	142.2	102.1	
12	22.6	14.1	40.7	316.5	574.5	752.7	1006.5	670.4	373.9	192.2	139.3	101.4	
13	22.1	14.8	42.3	310.5	639.6	755.5	998.9	663.9	362.7	190.3	137.7	99.7	
14	22.6	15.2	44.5	317.8	659.7	760.3	991.3	655.3	351.7	187.9	136.9	98.3	
15	21.9	14.8	49.9	333.2	650.9	779.3	983.8	646.6	341.4	186.5	135.7	97.0	
16	21.0	14.8	52.9	354.2	668.6	837.8	978.4	637.9	330.1	183.7	134.1	95.3	
17	20.5	14.8	57.5	365.3	665.9	864.9	969.8	628.4	320.8	182.3	132.5	93.6	
18	20.2	16.1	60.1	370.6	692.7	880.1	962.4	617.2	309.9	179.1	131.7	91.6	
19	19.7	16.1	66.1	367.3	704.5	890.3	949.6	620.7	299.7	177.2	130.2	90.3	
20	19.7	19.7	69.8	377.2	695.5	947.5	937.0	612.1	292.0	175.0	129.8	89.3	
21	19.4	17.9	73.3	375.2	686.4	990.2	917.1	603.7	284.4	174.5	127.8	87.7	
22	19.4	17.5	77.1	378.5	715.5	1022.9	888.3	594.4	275.8	171.8	127.0	85.8	
23	19.0	17.9	81.7	388.6	736.8	1056.1	860.9	586.9	266.8	168.7	125.9	85.2	
24	18.7	18.2	86.4	394.1	736.8	1065.0	842.8	577.8	260.1	166.9	124.0	83.9	
25	17.5	18.2	92.9	397.5	722.9	1081.9	828.9	567.1	254.0	165.6	122.1	82.3	
26	17.5	20.2	98.7	400.9	710.9	1089.8	818.1	561.4	249.1	165.1	122.4	81.1	
27	17.2	21.8	102.1	405.7	743.3	1087.6	807.3	550.9	243.7	161.6	121.7	80.5	
28	16.8	24.6	112.8	409.2	750.8	1095.5	798.6	541.3	240.0	160.3	120.2	79.6	
29	16.5	29.6	120.2	418.3		1098.9	788.9	531.8	234.7	158.6	118.7	79.3	
30	16.5	32.4	145.0	446.8		1089.8	779.3	522.3	230.5	156.8	117.9	78.0	
31	16.1		147.9	476.3		1089.8		512.2		156.0	116.1		
MEAN	21.3	17.3	63.9	324.5	634.8	882.2	956.7	641.2	347.4	186.0	134.9	95.9	356.6
MAX.	26.3	32.4	147.9	476.3	750.8	1098.9	1089.8	769.8	502.9	227.4	155.1	114.6	1098.9
MIN.	16.1	13.5	29.0	164.2	502.9	715.5	779.3	512.2	230.5	156.0	116.1	78.0	13.5

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 620.7 Q(185day): 201.3 Q(275day): 83.9 Q(355day): 14.8

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

HM	ST.: 4-450 LUBUNGU													YEAR : 1969/70	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	2.05	1.94	2.06	3.89	4.38	4.51	4.26	3.10	2.36	2.09	1.90	1.73			
2	2.03	2.01	2.07	3.82	4.37	4.52	4.22	3.06	2.35	2.08	1.89	1.72			
3	2.02	2.03	2.12	3.80	4.41	4.51	4.19	3.03	2.36	2.08	1.88	1.72			
4	2.00	1.99	2.09	3.83	4.47	4.50	4.16	3.00	2.32	2.06	1.88	1.71			
5	2.00	2.00	2.12	4.05	4.51	4.48	4.12	2.97	2.30	2.06	1.88	1.70			
6	1.99	2.02	2.16	4.04	4.54	4.48	4.10	2.94	2.29	2.06	1.88	1.69			
7	1.98	2.04	2.18	4.01	4.56	4.45	4.03	2.90	2.28	2.04	1.88	1.69			
8	1.96	2.05	2.21	3.95	4.55	4.47	4.00	2.88	2.27	2.07	1.87	1.69			
9	1.96	2.05	2.19	3.92	4.60	4.45	3.97	2.85	2.26	2.03	1.86	1.67			
10	1.95	2.07	2.17	3.90	4.64	4.42	3.93	2.82	2.25	2.03	1.85	1.66			
11	1.94	2.07	2.17	3.91	4.72	4.42	3.89	2.80	2.23	2.02	1.85	1.64			
12	1.94	2.08	2.19	3.92	4.73	4.43	3.85	2.78	2.22	2.02	1.84	1.64			
13	1.93	2.10	2.27	3.92	4.70	4.43	3.80	2.75	2.21	2.01	1.84	1.64			
14	1.92	2.09	2.35	3.94	4.68	4.43	3.76	2.73	2.21	2.00	1.83	1.62			
15	1.91	2.07	2.36	3.95	4.69	4.44	3.73	2.70	2.21	2.00	1.82	1.62			
16	1.90	2.06	2.39	4.02	4.72	4.45	3.68	2.67	2.20	2.00	1.82	1.61			
17	1.90	2.05	2.42	4.15	4.75	4.45	3.65	2.65	2.19	1.98	1.81	1.59			
18	1.89	2.04	2.56	4.06	4.75	4.45	3.63	2.63	2.18	1.97	1.80	1.58			
19	1.91	2.03	2.58	4.15	4.69	4.45	3.58	2.61	2.18	1.97	1.80	1.58			
20	1.89	2.02	2.76	4.40	4.65	4.44	3.51	2.58	2.16	1.97	1.80	1.57			
21	1.89	2.03	2.80	4.42	4.63	4.43	3.48	2.56	2.15	1.96	1.79	1.57			
22	1.88	2.04	2.85	4.41	4.61	4.43	3.44	2.54	2.15	1.95	1.79	1.56			
23	1.87	2.04	2.88	4.42	4.62	4.42	3.41	2.51	2.14	1.95	1.78	1.55			
24	1.85	2.04	3.01	4.46	4.60	4.42	3.36	2.50	2.13	1.94	1.77	1.54			
25	1.87	2.04	3.08	4.37	4.60	4.42	3.47	2.47	2.13	1.94	1.76	1.53			
26	1.87	2.04	3.22	4.32	4.58	4.40	3.28	2.46	2.12	1.94	1.76	1.53			
27	1.87	2.06	3.35	4.36	4.56	4.39	3.24	2.44	2.11	1.92	1.76	1.51			
28	1.92	2.06	3.40	4.41	4.54	4.37	3.20	2.43	2.10	1.91	1.76	1.51			
29	1.92	2.06	3.40	4.47		4.35	3.16	2.41	2.10	1.91	1.75	1.50			
30	1.93	2.06	3.65	4.48		4.32	3.14	2.39	2.10	1.91	1.75	1.48			
31	1.95		3.79	4.44		4.29		2.38		1.91	1.73				
MEAN	1.93	2.04	2.61	4.14	4.60	4.43	3.71	2.70	2.21	1.99	1.82	1.61	2.81		
MAX.	2.05	2.10	3.79	4.48	4.75	4.52	4.26	3.10	2.36	2.09	1.90	1.73	4.75		
MIN.	1.85	1.94	2.06	3.80	4.37	4.29	3.14	2.38	2.10	1.91	1.73	1.48	1.48		

QM	ST.: 4-450 LUBUNGU													YEAR : 1969/70	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	78.3	68.1	79.6	369.3	483.8	516.0	452.6	217.7	112.8	82.7	64.2	49.5			
2	76.5	74.2	80.2	354.2	480.1	518.4	445.4	212.2	111.7	82.0	63.1	49.2			
3	75.3	76.5	86.1	351.0	491.4	516.0	438.1	207.2	112.8	81.4	62.5	49.0			
4	73.9	72.7	83.0	357.5	504.4	512.2	430.3	202.3	107.7	79.9	62.5	48.5			
5	73.3	73.6	86.1	405.0	516.0	508.3	421.8	196.5	105.6	79.3	62.8	47.5			
6	72.4	75.9	90.3	403.7	522.3	508.3	415.5	192.2	104.5	79.3	62.5	46.9			
7	71.8	77.7	92.0	395.4	527.8	500.6	400.9	187.0	103.5	77.7	62.3	46.6			
8	70.1	78.0	94.9	381.9	526.2	504.4	394.1	182.8	102.1	80.8	61.5	46.4			
9	69.5	79.0	92.9	375.9	539.7	500.6	386.6	178.6	101.1	76.2	60.4	45.2			
10	68.6	80.5	91.0	372.6	550.1	492.9	378.5	174.5	99.3	76.2	59.8	44.3			
11	68.1	80.5	91.3	373.2	572.1	492.9	369.3	171.3	97.3	75.6	59.6	43.2			
12	67.8	81.1	92.9	375.9	574.5	495.2	360.1	167.8	96.6	75.3	59.1	42.9			
13	67.0	83.9	102.1	376.5	566.3	496.7	351.0	164.2	95.3	74.5	58.8	42.7			
14	66.1	82.7	110.9	379.9	559.8	495.2	341.4	161.6	94.9	73.9	58.0	41.8			
15	65.6	80.5	112.4	383.2	562.3	499.0	335.8	156.8	94.9	73.9	57.2	41.2			
16	64.4	79.3	116.1	397.5	572.1	500.6	325.8	153.0	94.3	73.3	57.0	40.7			
17	63.9	78.0	120.2	428.9	578.6	501.3	320.2	150.0	92.6	72.1	56.4	39.6			
18	63.3	77.4	137.3	407.1	578.6	500.6	315.9	147.1	92.0	70.9	55.9	39.0			
19	64.7	76.8	140.5	427.4	562.3	500.6	304.5	143.8	92.0	70.9	55.7	38.3			
20	63.6	75.9	165.1	487.6	551.7	499.0	292.6	140.9	90.3	70.4	55.4	37.9			
21	63.3	76.5	171.8	492.9	547.7	496.7	286.2	137.7	89.3	69.8	54.9	37.7			
22	62.3	77.4	178.6	490.6	542.1	495.2	279.2	134.5	88.7	69.2	54.4	37.1			
23	61.2	77.7	183.2	492.9	543.7	493.7	272.4	131.7	88.0	68.6	53.6	36.2			
24	60.1	77.1	202.8	502.9	539.7	493.7	264.5	129.8	86.8	68.1	53.1	35.6			
25	61.7	77.1	215.7	480.1	539.7	492.9	285.0	126.7	86.8	68.1	52.4	35.2			
26	62.0	77.4	239.5	468.8	534.1	489.1	248.6	124.7	85.5	67.8	52.4	35.2			
27	62.0	79.6	262.9	477.8	527.8	485.3	242.1	122.8	84.2	66.1	52.1	34.2			
28	65.8	79.9	271.8	491.4	523.9	480.8	234.7	120.5	83.9	65.6	51.9	33.8			
29	66.1	79.3	270.7	504.4		474.8	229.0	118.7	83.6	65.3	51.7	33.0			
30	66.7	79.9	319.6	508.3		468.8	224.3	116.4	83.3	65.0	51.2	32.0			
31	68.9		349.1	499.0		461.4		115.0		65.0	50.2				
MEAN	67.2	77.8	152.6	426.2	540.0	496.5	334.9	157.6	95.4	73.1	57.2	41.0	208.0		
MAX.	78.3	83.9	349.1	508.3	578.6	518.4	452.6	217.7	112.8	82.7	64.2	49.5	578.6		
MIN.	60.1	68.1	79.6	351.0	480.1	461.4	224.3	115.0	83.3	65.0	50.2	32.0	32.0		

[Discharge Rating Curve]: Q=31.695*(H-0.476)^2

[Flow Regime (m3/s)]:

Q(95day): 373.2 Q(185day): 94.9 Q(275day): 68.6 Q(355day): 37.9

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

HM	ST.: 4-450 LUBUNGU													YEAR : 1970/71	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.48	1.37	1.82	3.20	4.44	4.84	4.71	4.33	2.84	2.33	2.11	1.87			
2	1.48	1.36	1.88	3.21	4.47	4.84	4.70	4.29	2.81	2.31	2.11	1.86			
3	1.48	1.35	1.92	3.29	4.64	4.86	4.70	4.26	2.79	2.31	2.10	1.86			
4	1.47	1.34	1.96	3.35	4.63	4.90	4.69	4.21	2.76	2.30	2.09	1.85			
5	1.47	1.36	1.99	3.44	4.75	4.91	4.68	4.17	2.73	2.30	2.08	1.85			
6	1.47	1.37	2.06	3.59	4.88	4.94	4.67	4.14	2.71	2.29	2.08	1.83			
7	1.47	1.38	2.12	3.66	5.00	4.96	4.67	4.09	2.69	2.27	2.07	1.83			
8	1.46	1.39	2.19	3.70	4.84	4.96	4.66	4.04	2.68	2.26	2.06	1.82			
9	1.46	1.38	2.28	3.76	4.76	4.93	4.65	4.00	2.64	2.25	2.06	1.81			
10	1.45	1.37	2.30	3.81	4.70	4.92	4.64	3.94	2.62	2.25	2.05	1.81			
11	1.44	1.38	2.33	3.83	4.68	4.90	4.64	3.90	2.61	2.24	2.04	1.81			
12	1.43	1.38	2.34	3.86	4.65	4.90	4.63	3.84	2.58	2.23	2.03	1.80			
13	1.43	1.37	2.42	3.88	4.64	4.88	4.62	3.78	2.55	2.23	2.02	1.79			
14	1.44	1.37	2.47	3.91	4.63	4.87	4.61	3.72	2.54	2.22	2.01	1.78			
15	1.45	1.39	2.50	3.90	4.63	4.86	4.61	3.67	2.53	2.21	2.01	1.77			
16	1.44	1.41	2.56	3.90	4.66	4.85	4.60	3.60	2.51	2.20	2.00	1.76			
17	1.44	1.44	2.58	3.91	4.66	4.84	4.59	3.54	2.50	2.19	1.99	1.76			
18	1.44	1.47	2.60	3.96	4.78	4.83	4.58	3.47	2.49	2.19	1.98	1.75			
19	1.44	1.50	2.64	4.06	4.88	4.82	4.58	3.41	2.47	2.18	1.97	1.75			
20	1.42	1.51	2.69	4.15	5.03	4.82	4.58	3.36	2.45	2.17	1.96	1.74			
21	1.40	1.54	2.76	4.12	5.03	4.81	4.71	3.31	2.42	2.17	1.96	1.74			
22	1.39	1.62	2.76	4.10	5.01	4.80	4.53	3.26	2.41	2.16	1.95	1.74			
23	1.39	1.67	2.78	4.12	4.98	4.78	4.51	3.20	2.40	2.15	1.94	1.73			
24	1.40	1.68	2.82	4.12	4.93	4.77	4.50	3.15	2.39	2.15	1.93	1.72			
25	1.41	1.67	2.83	4.14	4.90	4.76	4.48	3.10	2.38	2.15	1.92	1.71			
26	1.41	1.69	2.84	4.26	4.87	4.75	4.46	3.06	2.37	2.14	1.91	1.70			
27	1.41	1.69	2.89	4.24	4.86	4.74	4.44	3.02	2.36	2.13	1.91	1.69			
28	1.40	1.69	2.95	4.30	4.85	4.73	4.42	2.98	2.35	2.13	1.90	1.69			
29	1.40	1.77	2.99	4.32		4.73	4.39	2.94	2.34	2.12	1.89	1.68			
30	1.39	1.77	3.07	4.38		4.72	4.36	2.91	2.33	2.12	1.88	1.68			
31	1.38		3.16	4.46		4.71		2.87		2.12	1.87				
MEAN	1.43	1.49	2.50	3.90	4.78	4.84	4.59	3.60	2.54	2.21	2.00	1.77	2.96		
MAX.	1.48	1.77	3.16	4.46	5.03	4.96	4.71	4.33	2.84	2.33	2.11	1.87	5.03		
MIN.	1.38	1.34	1.82	3.20	4.44	4.71	4.36	2.87	2.33	2.12	1.87	1.68	1.34		

QM	ST.: 4-450 LUBUNGU													YEAR : 1970/71	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	31.8	25.2	57.0	235.3	499.0	604.5	567.1	470.3	177.7	108.4	84.9	61.5			
2	31.8	24.9	62.8	236.3	505.2	604.5	566.3	462.2	173.1	107.0	84.5	60.9			
3	31.6	24.1	66.1	250.8	550.1	608.7	564.7	452.6	169.6	106.3	83.9	60.6			
4	31.5	23.9	69.5	261.8	547.7	621.5	563.9	442.5	165.1	105.6	83.0	60.1			
5	31.3	24.7	72.7	279.2	577.8	624.1	560.6	431.7	161.2	105.6	82.0	59.6			
6	31.3	25.4	79.9	307.5	615.5	631.8	558.2	424.6	158.1	104.2	81.4	58.5			
7	31.1	25.8	85.2	320.8	647.4	637.9	558.2	413.4	155.6	101.7	80.5	57.7			
8	30.9	26.5	93.6	329.5	604.5	637.0	555.8	403.7	153.4	100.4	79.9	57.2			
9	30.5	25.8	103.1	342.7	581.1	630.1	552.5	392.7	148.8	100.0	79.3	56.7			
10	29.9	25.4	105.6	352.3	566.3	624.9	550.1	381.2	146.3	99.3	78.3	56.2			
11	29.2	25.9	108.8	357.5	560.6	621.5	548.5	372.6	143.8	98.7	77.4	56.2			
12	29.0	25.9	110.2	362.7	553.9	619.0	547.7	359.4	140.1	97.6	76.9	55.7			
13	29.0	25.6	119.8	367.9	548.5	615.5	544.5	346.5	136.9	97.0	75.9	54.7			
14	29.4	25.6	126.7	373.2	546.9	613.0	542.9	332.6	135.3	96.3	75.0	54.1			
15	30.1	26.3	129.8	371.9	546.1	610.4	541.3	323.3	133.3	95.3	74.2	53.4			
16	29.7	27.7	137.3	371.9	555.0	606.2	538.9	308.7	131.7	94.3	73.6	52.6			
17	29.7	29.2	139.7	374.5	554.1	602.8	535.7	296.7	130.2	93.6	72.7	52.1			
18	29.7	31.3	143.0	383.9	586.9	600.3	534.9	285.0	128.6	92.9	71.8	51.7			
19	29.2	33.0	148.4	407.8	615.5	597.8	534.1	273.0	126.3	92.3	70.9	51.2			
20	28.1	33.8	155.6	426.7	656.2	597.0	532.5	263.4	123.2	91.3	70.1	50.9			
21	26.8	35.8	165.1	421.1	657.1	595.3	568.0	254.0	120.2	90.6	69.5	50.4			
22	26.5	41.4	165.1	416.9	652.7	591.9	521.5	244.8	118.7	90.0	68.6	50.4			
23	26.6	45.0	168.2	420.4	642.2	587.8	516.8	235.8	116.8	89.3	67.8	49.9			
24	27.0	45.7	174.1	421.1	630.1	584.4	512.9	225.9	116.1	88.7	67.0	49.2			
25	27.5	45.0	175.4	425.3	620.7	582.8	508.3	218.2	115.0	88.7	66.4	48.5			
26	27.5	47.1	177.2	452.6	612.1	579.5	502.1	211.2	114.2	87.7	65.6	47.5			
27	27.4	47.1	184.2	449.7	608.7	577.0	497.5	204.7	112.8	87.1	65.0	47.1			
28	26.8	47.1	194.1	463.7	605.4	574.5	492.9	198.9	111.3	86.8	64.2	46.6			
29	26.8	52.9	200.3	467.4		572.9	486.1	193.1	110.2	85.8	63.3	46.1			
30	25.5	53.4	213.2	483.8		571.2	478.5	187.4	109.1	85.8	62.5	45.7			
31	25.9		227.9	502.1		568.0		182.3		85.2	62.0				
MEAN	29.0	33.2	134.2	375.4	587.4	603.0	536.1	315.9	136.1	95.3	73.5	53.4	245.6		
MAX.	31.8	53.4	227.9	502.1	657.1	637.9	568.0	470.3	177.7	108.4	84.9	61.5	657.1		
MIN.	25.9	23.9	57.0	235.3	499.0	568.0	478.5	182.3	109.1	85.2	62.0	45.7	23.9		

[Discharge Rating Curve]: Q=31.695*(H-0.476)^2

[Flow Regime (m3/s)]:

Q(95day): 462.2 Q(185day): 129.8 Q(275day): 60.9 Q(355day): 25.8

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

HM	ST.: 4-450 LUBUNGU			YEAR : 1971/72								[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.67	1.55	1.94	2.44	3.56	3.35	4.00	3.90	2.84	2.22	2.00	1.80	
2	1.66	1.54	1.94	2.54	3.53	3.38	4.00	3.90	2.80	2.21	1.99	1.80	
3	1.66	1.53	2.21	2.64	3.50	3.40	4.11	3.87	2.77	2.21	1.99	1.79	
4	1.65	1.51	2.15	2.65	3.47	3.41	4.07	3.85	2.73	2.20	1.98	1.79	
5	1.64	1.50	1.94	2.71	3.45	3.43	4.04	3.83	2.70	2.18	1.97	1.78	
6	1.63	1.51	1.91	2.79	3.47	3.44	4.02	3.80	2.67	2.18	1.97	1.79	
7	1.62	1.51	1.89	3.00	3.46	3.47	4.00	3.78	2.64	2.17	1.96	1.76	
8	1.62	1.54	1.87	2.94	3.47	3.47	4.00	3.75	2.62	2.17	1.95	1.74	
9	1.61	1.55	1.86	2.96	3.46	3.54	3.99	3.72	2.58	2.16	1.95	1.74	
10	1.60	1.50	1.85	3.03	3.44	3.69	3.99	3.69	2.56	2.16	1.94	1.73	
11	1.59	1.50	1.85	3.02	3.45	3.71	3.99	3.62	2.54	2.15	1.93	1.73	
12	1.58	1.49	1.85	3.21	3.43	3.70	3.99	3.75	2.52	2.14	1.93	1.73	
13	1.57	1.51	1.86	3.33	3.41	3.65	3.99	3.56	2.49	2.13	1.93	1.72	
14	1.57	1.52	1.87	3.29	3.39	3.63	3.99	3.54	2.47	2.13	1.92	1.72	
15	1.56	1.53	1.91	3.30	3.37	3.65	3.98	3.51	2.46	2.12	1.92	1.72	
16	1.56	1.55	1.91	3.30	3.36	3.68	3.99	3.47	2.44	2.11	1.91	1.71	
17	1.56	1.64	1.95	3.29	3.36	3.71	3.98	3.44	2.41	2.11	1.90	1.70	
18	1.55	1.64	1.96	3.31	3.36	3.76	3.98	3.41	2.40	2.10	1.89	1.69	
19	1.55	1.62	2.00	3.33	3.35	3.91	3.97	3.37	2.38	2.09	1.89	1.68	
20	1.55	1.59	2.01	3.60	3.36	3.89	3.97	3.34	2.36	2.09	1.88	1.68	
21	1.54	1.62	2.03	3.75	3.38	3.87	3.96	3.30	2.35	2.08	1.87	1.67	
22	1.44	1.66	2.05	3.74	3.40	3.86	3.96	3.26	2.33	2.07	1.87	1.67	
23	1.36	1.67	2.09	3.98	3.41	3.85	3.94	3.22	2.32	2.07	1.86	1.66	
24	1.36	1.69	2.14	3.76	3.38	3.84	3.94	3.17	2.31	2.06	1.85	1.64	
25	1.45	1.72	2.19	3.65	3.37	3.85	3.93	3.13	2.29	2.05	1.84	1.64	
26	1.55	1.76	2.23	3.57	3.38	3.87	3.95	3.08	2.29	2.04	1.84	1.63	
27	1.55	1.82	2.29	3.52	3.35	3.87	3.96	3.04	2.27	2.04	1.84	1.63	
28	1.55	1.86	2.29	3.51	3.35	3.88	3.94	3.00	2.25	2.02	1.83	1.62	
29	1.56	1.91	2.30	3.51	3.35	3.89	3.93	2.96	2.24	2.01	1.83	1.61	
30	1.55	1.94	2.34	3.53		3.90	3.92	2.92	2.23	2.01	1.82	1.60	
31	1.55		2.41	3.57		3.90		2.88		2.00	1.81		
MEAN	1.56	1.62	2.04	3.25	3.42	3.69	3.98	3.45	2.47	2.11	1.90	1.71	2.60
MAX.	1.67	1.94	2.41	3.98	3.56	3.91	4.11	3.90	2.84	2.22	2.00	1.80	4.11
MIN.	1.36	1.49	1.85	2.44	3.35	3.35	3.92	2.88	2.23	2.00	1.81	1.60	1.36

QM	ST.: 4-450 LUBUNGU			YEAR : 1971/72								[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	45.4	36.2	67.5	122.8	302.1	262.3	394.1	372.6	177.2	96.6	73.6	55.7	
2	44.7	35.8	68.4	134.5	294.9	267.3	393.4	370.6	171.3	94.8	73.0	55.4	
3	44.5	35.0	94.9	148.8	289.7	271.3	417.6	365.3	166.4	94.9	72.7	54.9	
4	43.8	33.6	89.0	149.2	283.3	273.0	409.9	360.7	161.2	93.9	71.8	54.4	
5	42.7	33.2	68.4	157.7	280.4	276.4	403.7	355.5	156.4	92.3	70.9	53.9	
6	42.5	33.8	65.0	169.1	285.0	279.2	398.8	350.4	152.6	91.6	70.4	54.7	
7	41.8	34.2	63.1	201.3	282.7	284.4	393.4	345.3	147.9	91.0	69.8	52.1	
8	41.4	36.0	62.0	191.7	285.0	285.0	392.7	339.5	145.0	90.6	69.2	50.9	
9	40.9	36.4	60.4	196.0	282.1	297.9	391.3	333.2	140.9	90.3	68.6	50.4	
10	40.1	33.4	59.6	206.7	278.7	326.4	390.7	326.4	137.7	89.7	67.5	50.2	
11	39.4	33.0	59.6	204.7	279.8	330.7	391.3	314.1	134.5	89.0	67.0	49.7	
12	38.8	32.8	60.1	236.3	277.0	329.5	390.7	338.9	132.1	87.7	66.7	49.5	
13	38.1	33.8	60.4	257.3	273.0	320.2	390.7	302.1	129.0	87.1	66.7	49.2	
14	37.7	34.6	62.0	250.2	269.0	315.3	390.7	297.3	126.7	86.8	66.1	49.0	
15	37.3	35.4	64.7	252.4	266.2	319.0	390.0	290.8	124.3	85.8	65.8	49.0	
16	37.5	36.4	64.7	252.4	264.0	325.8	390.7	284.4	122.4	84.9	65.0	48.5	
17	37.3	43.2	68.9	250.8	262.9	332.0	388.6	278.1	119.0	84.2	63.9	47.3	
18	36.9	42.9	70.1	254.0	262.9	340.8	388.6	272.4	116.8	83.6	63.3	46.4	
19	36.9	41.2	73.9	258.4	262.3	374.5	386.6	265.7	114.6	83.0	63.1	46.1	
20	36.7	39.6	74.5	308.7	264.5	369.3	386.6	259.5	112.8	82.3	62.3	45.7	
21	35.8	41.6	76.2	339.5	267.9	364.7	385.3	252.4	111.3	81.7	61.7	45.2	
22	29.7	44.1	78.3	337.0	270.7	362.0	383.9	244.8	109.1	80.8	61.2	45.0	
23	24.9	45.4	82.7	388.6	273.0	360.7	381.2	237.9	107.4	80.2	60.6	44.5	
24	24.7	46.6	88.0	341.4	266.8	359.4	379.9	230.5	106.3	79.3	60.1	43.2	
25	30.1	49.0	93.6	318.4	266.2	361.4	378.5	223.3	104.5	78.3	59.3	42.9	
26	36.2	52.1	98.0	302.7	266.8	364.7	381.9	215.7	103.8	77.7	59.3	42.0	
27	36.7	57.5	103.8	293.8	262.3	366.0	383.9	209.2	102.1	77.1	58.8	42.3	
28	36.9	60.6	104.5	291.4	261.8	367.3	380.6	202.9	99.7	75.9	58.3	41.6	
29	37.3	64.7	105.6	291.4	262.3	368.6	377.9	195.5	98.7	74.7	57.7	40.7	
30	36.9	67.5	110.6	294.9		371.9	375.2	189.3	97.0	74.7	57.2	39.8	
31	36.7		118.3	303.9		370.6		182.8		73.9	56.4		
MEAN	37.8	41.7	78.0	248.6	273.9	329.0	389.6	284.1	127.6	85.0	64.8	48.0	156.9
MAX.	45.4	67.5	118.3	388.6	302.1	374.5	417.6	372.6	177.2	96.6	73.6	55.7	417.6
MIN.	24.7	32.8	59.6	122.8	261.8	262.3	375.2	182.8	97.0	73.9	56.4	39.8	24.7

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 278.7 Q(185day): 99.7 Q(275day): 58.3 Q(355day): 34.2

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

HM	ST.: 4-450 LUBUNGU												YEAR : 1972/73												[WATER LEVEL (m)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL							
1	1	1.59	1.44	1.38	1.74	2.11	2.66	2.73	2.18	1.67	1.52	1.42	1.32	1.32	2	1	1.58	1.42	1.37	1.74	2.12	2.69	2.69	2.16	1.66	1.52	1.41	1.31								
2	2	1.57	1.42	1.37	1.74	2.11	2.72	2.68	2.14	1.65	1.52	1.41	1.31	1.31	3	1	1.56	1.41	1.37	1.74	2.09	2.76	2.64	2.13	1.64	1.51	1.41	1.30								
3	3	1.56	1.42	1.37	1.74	2.08	2.78	2.62	2.12	1.63	1.51	1.41	1.30	1.30	4	1	1.55	1.43	1.37	1.73	2.07	2.81	2.60	2.09	1.62	1.50	1.41	1.29								
4	4	1.55	1.43	1.39	1.74	2.06	2.84	2.58	2.08	1.62	1.50	1.41	1.29	1.29	5	1	1.55	1.43	1.39	1.74	2.07	2.87	2.56	2.06	1.61	1.50	1.40	1.29								
5	5	1.55	1.46	1.39	1.77	2.07	2.87	2.56	2.06	1.61	1.50	1.40	1.29	1.29	6	1	1.61	1.53	1.39	1.76	2.06	2.88	2.55	2.06	1.60	1.50	1.40	1.28								
6	6	1.57	1.51	1.39	1.80	2.05	2.90	2.53	2.10	1.59	1.49	1.40	1.28	1.28	7	1	1.57	1.51	1.39	1.80	2.05	2.90	2.53	2.10	1.59	1.49	1.40	1.28								
7	7	1.56	1.47	1.40	1.81	2.05	2.92	2.49	2.10	1.58	1.48	1.40	1.28	1.28	8	1	1.56	1.47	1.40	1.81	2.05	2.92	2.49	2.10	1.58	1.48	1.40	1.28								
8	8	1.55	1.45	1.43	1.83	2.05	2.93	2.46	2.05	1.58	1.48	1.40	1.28	1.28	9	1	1.55	1.45	1.43	1.83	2.05	2.93	2.46	2.05	1.58	1.48	1.40	1.28								
9	9	1.53	1.44	1.45	1.81	2.05	2.95	2.43	2.00	1.57	1.48	1.39	1.26	1.26	10	1	1.53	1.44	1.45	1.81	2.05	2.95	2.43	2.00	1.57	1.48	1.39	1.26								
10	10	1.52	1.44	1.45	1.80	2.10	2.95	2.41	1.98	1.56	1.48	1.39	1.26	1.26	11	1	1.52	1.44	1.45	1.80	2.10	2.95	2.41	1.98	1.56	1.48	1.39	1.26								
11	11	1.51	1.44	1.45	1.83	2.13	2.96	2.39	1.96	1.56	1.47	1.39	1.25	1.25	12	1	1.51	1.44	1.45	1.83	2.13	2.96	2.39	1.96	1.56	1.47	1.39	1.25								
12	12	1.52	1.43	1.45	1.84	2.14	2.95	2.37	1.95	1.55	1.46	1.38	1.25	1.25	13	1	1.52	1.43	1.45	1.84	2.14	2.95	2.37	1.95	1.55	1.46	1.38	1.25								
13	13	1.51	1.42	1.51	1.86	2.15	2.94	2.34	1.92	1.55	1.46	1.37	1.26	1.26	14	1	1.51	1.42	1.51	1.86	2.15	2.94	2.34	1.92	1.55	1.46	1.37	1.26								
14	14	1.50	1.42	1.50	1.88	2.19	2.93	2.32	1.92	1.55	1.46	1.37	1.26	1.26	15	1	1.50	1.42	1.50	1.88	2.19	2.93	2.32	1.92	1.55	1.46	1.37	1.26								
15	15	1.50	1.42	1.52	1.90	2.25	2.92	2.30	1.91	1.55	1.46	1.37	1.26	1.26	16	1	1.50	1.42	1.52	1.90	2.25	2.92	2.30	1.91	1.55	1.46	1.37	1.26								
16	16	1.49	1.42	1.55	1.92	2.26	2.91	2.28	1.87	1.54	1.46	1.37	1.24	1.24	17	1	1.49	1.42	1.55	1.92	2.26	2.91	2.28	1.87	1.54	1.46	1.37	1.24								
17	17	1.49	1.43	1.55	1.95	2.30	2.91	2.27	1.88	1.53	1.45	1.35	1.23	1.23	18	1	1.49	1.43	1.55	1.95	2.30	2.91	2.27	1.88	1.53	1.45	1.35	1.23								
18	18	1.48	1.43	1.56	1.98	2.32	2.91	2.26	1.86	1.55	1.44	1.35	1.22	1.22	19	1	1.48	1.43	1.56	1.98	2.32	2.91	2.26	1.86	1.55	1.44	1.35	1.22								
19	19	1.48	1.43	1.56	2.01	2.35	2.90	2.26	1.83	1.55	1.45	1.37	1.22	1.22	20	1	1.48	1.43	1.56	2.01	2.35	2.90	2.26	1.83	1.55	1.45	1.37	1.22								
20	20	1.47	1.42	1.57	2.05	2.39	2.90	2.25	1.82	1.53	1.45	1.36	1.22	1.22	21	1	1.47	1.42	1.57	2.05	2.39	2.90	2.25	1.82	1.53	1.45	1.36	1.22								
21	21	1.49	1.41	1.58	2.09	2.44	2.88	2.25	1.81	1.53	1.44	1.34	1.22	1.22	22	1	1.49	1.41	1.58	2.09	2.44	2.88	2.25	1.81	1.53	1.44	1.34	1.22								
22	22	1.49	1.44	1.59	2.11	2.50	2.87	2.24	1.78	1.52	1.44	1.34	1.22	1.22	23	1	1.49	1.44	1.59	2.11	2.50	2.87	2.24	1.78	1.52	1.44	1.34	1.22								
23	23	1.49	1.41	1.64	2.12	2.54	2.85	2.23	1.77	1.52	1.44	1.33	1.21	1.21	24	1	1.49	1.41	1.64	2.12	2.54	2.85	2.23	1.77	1.52	1.44	1.33	1.21								
24	24	1.48	1.41	1.66	2.14	2.63	2.83	2.22	1.76	1.52	1.43	1.33	1.21	1.21	25	1	1.48	1.41	1.66	2.14	2.63	2.83	2.22	1.76	1.52	1.43	1.33	1.21								
25	25	1.47	1.41	1.68	2.15		2.81	2.19	1.72	1.52	1.43	1.33	1.23	1.23	26	1	1.47	1.41	1.68	2.15		2.81	2.19	1.72	1.52	1.43	1.33	1.23								
26	26	1.46	1.40	1.71	2.15		2.77	2.19	1.71	1.52	1.44	1.32	1.23	1.23	27	1	1.46	1.40	1.71	2.15		2.77	2.19	1.71	1.52	1.44	1.32	1.23								
27	27	1.45		1.72	2.13		2.76		1.69		1.44	1.32			28	1	1.45		1.72	2.13		2.76		1.69		1.44	1.32									
28	28														29	1																				
29	29														30	1																				
30	30														31	1																				
31	31																																			
		MEAN	1.52	1.43	1.49	1.90	2.20	2.86	2.41	1.95	1.57	1.47	1.38	1.26	1.79																					
		MAX.	1.61	1.53	1.72	2.15	2.63	2.96	2.73	2.18	1.67	1.52	1.42	1.32	2.96																					
		MIN.	1.45	1.40	1.37	1.73	2.05	2.66	2.19	1.69	1.52	1.43	1.32	1.21	1.21																					

QM	ST.: 4-450 LUBUNGU												YEAR : 1972/73												[DISCHARGE (m3/sec)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL							
1	1	39.2	29.6	25.8	50.4	84.9	151.3	161.6	91.6	45.4	34.8	28.4	22.6	22.6	2	1	38.8	28.4	25.2	50.9	85.5	156.0	154.7	90.0	44.7	34.6	27.9	22.2								
2	2	38.1	28.1	25.4	50.9	84.5	159.9	153.8	87.7	43.6	34.4	27.7	22.2	22.2	3	1	37.5	27.9	25.4	50.4	82.7	164.7	148.4	86.4	42.9	33.8	27.9	21.8								
3	3	37.1	28.4	25.4	50.4	81.1	168.7	145.0	86.1	42.0	33.8	27.9	21.3	21.3	4	1	36.4	28.8	25.6	50.2	80.2	172.2	142.6	82.7	41.4	33.4	27.7	21.0								
4	4	36.2	29.0	26.6	50.4	79.3	177.2	139.7	82.0	41.2	33.4	27.5	21.0	21.0	5	1	36.2	29.0	26.6	50.4	79.3	177.2	139.7	82.0	41.2	33.4	27.5	21.0								
5	5	36.2	30.5	26.3	53.4	80.2	182.3	137.3	79.6	40.7	33.2	27.2	20.8	20.8	6	1	40.9	35.4	26.5	52.4	79.3	183.7	136.5	79.6	39.8	33.0	27.0	20.5								
6	6	37.7	33.6	26.6	55.2	79.0	186.0	133.3	83.6	39.2	32.6	27.0	20.7	20.7	7	1	37.1	31.3	27.2	56.2	79.0	188.8	128.6	83.3	39.0	31.8	26.8	20.3								
7	7	36.4	30.1	26.8	57.7	78.0	190.7	125.1	78.3	38.6	31.6	26.8	20.3	20.3	8	1	35.4	29.7	29.9	56.7	78.0	193.6	120.9	73.6	38.1	31.6	26.6	19.7								
8	8	34.8	29.4	30.1	55.7	83.6	194.5	118.3	71.5	37.3	31.6	26.6	19.6	19.6	9	1	34.2	29.2	30.1	58.3	86.8	195.0	116.4	70.1	37.1	31.3	26.5	19.0								
9	9	34.2	28.6	30.1	58.8	87.4	193.6	113.1	68.6	36.9	30.9	25.8	19.1	19.1	10	1	34.2	28.3	33.8	60.6	89.3	193.1	110.2	66.1	36.9	30.9	25.2	19.4								
10	10	33.4	28.1	33.0	62.3	92.6	191.2	108.1	65.8	36.4	30.7	25.4	19.4	19.4	11	1	33.0	28.1	34.8	63.9	99.3	189.3	105.2	64.7	36.2	30.7	25.4	19.6								
11	11	32.8	28.3	36.7	66.4	101.4	188.4	103.5	62.0	36.0	30.5	25.1	18.7	18.7	12	1	32.4	28.6	36.9	69.2	105.2	187.4	102.1	62.8	35.4	30.1	24.4	18.1								
12	12	32.2	28.8	37.1	71.8	108.1	187.4	101.4	60.4	36.2	29.7	24.2	17.7	17.7	13	1	31.8	28.6	37.1	74.7	111.7	186.5	100.4	58.5	36.7	30.1	25.2	17.5								
13	13	31.5	28.3	37.9	78.0	116.1	186.5	100.0	57.5	35.0	29.8	24.7	17.4	17.4	14	1	32.6	27.9	39.0	82.7	121.7	183.7	99.3	56.2	35.2	29.6	23.9	17.4								
14	14	32.6	29.6	39.4	84.9	129.4	180.9	98.3	53.9	34.8	29.4	23.4	17.4	17.4	15	1	32.6	29.6	39.4	84.9	129.4	180.9	98.3	53.9	34.8	29.4</										

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

HM	ST.: 4-450 LUBUNGU													YEAR : 1973/74	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.22	1.13	1.45	1.90	3.44	4.37	4.36	3.77	2.75	2.13	1.91	1.70			
2	1.22	1.12	1.45	1.90	3.61	4.40	4.38	3.72	2.73	2.13	1.91	1.70			
3	1.21	1.12	1.45	2.05	3.97	4.39	4.45	3.68	2.71	2.12	1.90	1.69			
4	1.22	1.13	1.45	1.98	3.93	4.39	4.50	3.65	2.68	2.11	1.89	1.69			
5	1.21	1.13	1.43	2.00	3.74	4.37	4.51	3.59	2.65	2.11	1.88	1.69			
6	1.19	1.12	1.44	2.04	3.76	4.36	4.48	3.54	2.62	2.10	1.87	1.67			
7	1.19	1.14	1.45	2.12	3.83	4.36	4.43	3.49	2.59	2.09	1.87	1.67			
8	1.19	1.16	1.48	2.17	3.87	4.40	4.39	3.46	2.56	2.08	1.87	1.66			
9	1.18	1.23	1.56	2.20	3.89	4.42	4.36	3.39	2.53	2.08	1.86	1.66			
10	1.17	1.24	1.47	2.39	3.89	4.47	4.33	3.34	2.50	2.07	1.86	1.66			
11	1.17	1.20	1.55	2.49	3.89	4.52	4.31	3.28	2.47	2.10	1.85	1.65			
12	1.16	1.20	1.54	2.60	3.85	4.54	4.28	3.23	2.44	2.06	1.85	1.63			
13	1.16	1.22	1.54	2.82	3.86	4.50	4.26	3.18	2.42	2.05	1.84	1.62			
14	1.15	1.24	1.54	2.87	4.11	4.45	4.24	3.13	2.40	2.04	1.83	1.62			
15	1.15	1.26	1.55	2.86	4.19	4.43	4.22	3.09	2.37	2.04	1.82	1.61			
16	1.15	1.27	1.64	2.72	4.09	4.42	4.20	3.05	2.35	2.03	1.81	1.61			
17	1.16	1.28	1.70	2.62	4.03	4.42	4.18	3.01	2.33	2.02	1.80	1.60			
18	1.16	1.26	1.60	2.61	4.00	4.43	4.13	2.97	2.31	2.01	1.80	1.59			
19	1.17	1.32	1.63	2.65	4.03	4.47	4.08	2.94	2.29	2.00	1.79	1.58			
20	1.16	1.33	1.64	2.69	4.10	4.46	4.07	2.91	2.27	1.99	1.79	1.58			
21	1.15	1.35	1.63	2.72	4.36	4.45	4.06	2.89	2.25	1.98	1.78	1.56			
22	1.15	1.37	1.63	2.86	4.68	4.43	4.04	2.88	2.24	1.98	1.77	1.55			
23	1.14	1.38	1.64	2.97	4.75	4.43	4.02	2.86	2.23	1.98	1.77	1.53			
24	1.14	1.39	1.66	3.03	4.57	4.40	3.99	2.85	2.21	1.97	1.76	1.53			
25	1.13	1.40	1.85	3.00	4.47	4.38	3.97	2.84	2.20	1.97	1.76	1.52			
26	1.12	1.41	1.94	2.95	4.39	4.36	3.94	2.83	2.19	1.95	1.75	1.51			
27	1.11	1.42	1.87	3.32	4.35	4.35	3.92	2.83	2.17	1.94	1.74	1.51			
28	1.10	1.44	1.82	3.58	4.36	4.33	3.89	2.82	2.16	1.93	1.73	1.50			
29	1.09	1.43	1.83	3.48		4.33	3.85	2.81	2.15	1.92	1.72	1.49			
30	1.10	1.44	1.86	3.44		4.33	3.81	2.80	2.14	1.92	1.72	1.48			
31	1.11		1.90	3.42		4.31		2.78		1.91	1.71				
MEAN	1.16	1.27	1.62	2.66	4.07	4.41	4.19	3.15	2.40	2.03	1.81	1.60	2.52		
MAX.	1.22	1.44	1.94	3.58	4.75	4.54	4.51	3.77	2.75	2.13	1.91	1.70	4.75		
MIN.	1.09	1.12	1.43	1.90	3.44	4.31	3.81	2.78	2.14	1.91	1.71	1.48	1.09		

QM	ST.: 4-450 LUBUNGU													YEAR : 1973/74	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	17.5	13.5	30.1	64.4	278.1	480.8	477.0	344.0	164.2	87.1	65.0	47.8			
2	17.7	13.3	30.3	63.9	311.1	488.4	483.8	334.5	161.6	86.4	64.7	47.3			
3	17.2	13.2	30.1	78.0	388.0	485.3	501.3	324.5	157.7	85.8	64.2	47.1			
4	17.5	13.5	29.9	71.8	377.9	486.1	514.5	319.6	153.8	84.9	63.1	46.6			
5	16.9	13.5	28.8	73.9	338.3	481.6	516.0	308.1	149.6	84.2	62.5	47.1			
6	16.4	13.3	29.7	77.4	340.8	478.5	508.3	298.5	145.5	83.6	62.0	45.4			
7	16.1	13.8	30.3	85.5	357.5	477.8	496.0	288.5	141.3	82.7	61.5	45.0			
8	16.0	14.8	31.8	91.0	366.0	487.6	486.1	281.5	137.7	82.0	61.5	44.5			
9	15.8	17.9	37.1	94.6	369.9	492.9	478.5	268.5	133.3	81.4	60.9	44.3			
10	15.4	18.4	31.5	115.7	369.3	505.2	471.8	260.6	129.4	80.8	60.6	44.1			
11	15.4	16.5	36.7	128.2	369.3	518.4	466.6	249.7	125.9	83.3	60.1	43.4			
12	14.9	16.8	35.6	143.0	360.7	523.1	458.5	240.5	122.4	79.3	59.8	42.3			
13	14.8	17.5	35.6	173.6	362.0	512.2	453.4	232.1	119.8	78.3	59.1	41.6			
14	14.5	19.7	35.8	181.4	419.0	501.3	448.3	223.8	116.8	77.7	58.3	41.4			
15	14.4	19.3	36.9	180.5	437.4	495.2	443.9	216.2	113.9	77.1	57.5	40.7			
16	14.5	20.2	42.7	160.3	414.8	492.2	438.9	209.7	110.9	76.2	56.2	40.5			
17	14.6	20.5	47.8	146.3	400.9	492.9	433.8	203.3	108.8	75.3	55.4	40.3			
18	14.9	19.4	39.8	144.2	392.7	495.2	423.2	197.4	106.7	74.7	55.2	39.6			
19	15.2	22.4	42.5	149.6	399.5	505.2	412.7	192.2	104.2	73.9	54.9	39.0			
20	14.6	23.2	43.2	156.0	415.5	502.9	409.9	188.4	101.7	73.0	54.4	39.8			
21	14.4	24.2	42.3	160.3	477.0	501.3	407.1	185.1	100.0	72.1	53.9	37.3			
22	14.2	25.2	42.5	180.0	560.6	496.0	402.3	182.8	98.7	71.8	53.4	36.2			
23	14.0	25.8	42.9	196.5	580.3	495.2	397.5	180.0	97.3	71.5	52.9	35.4			
24	14.0	26.6	44.5	206.7	531.0	487.6	391.3	178.6	95.6	70.9	52.4	35.0			
25	13.5	27.2	59.8	202.3	506.7	483.8	387.3	176.8	93.9	70.7	52.1	34.8			
26	13.2	27.5	67.8	194.1	484.6	479.3	381.2	176.3	93.3	68.9	51.4	34.2			
27	12.7	28.4	61.7	256.8	476.3	474.8	375.9	175.4	91.3	67.8	50.4	33.6			
28	12.4	29.4	57.0	305.7	479.3	471.8	369.3	174.5	90.3	66.7	49.5	33.4			
29	12.1	28.6	58.0	285.6		470.3	361.4	172.7	89.0	66.1	49.2	32.6			
30	12.2	29.4	60.9	278.1		469.6	353.0	170.5	88.0	66.1	48.7	32.0			
31	12.6		63.9	274.7		466.6		167.8		65.6	48.3				
MEAN	14.8	20.4	42.2	158.7	413.0	490.3	438.3	229.7	118.1	76.3	56.7	40.4	173.2		
MAX.	17.7	29.4	67.3	305.7	580.3	523.1	516.0	344.0	164.2	87.1	65.0	47.8	580.3		
MIN.	12.1	13.2	28.8	63.9	278.1	466.6	353.0	167.8	88.0	65.6	48.3	32.0	12.1		

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 298.5 Q(185day): 81.4 Q(275day): 40.3 Q(355day): 13.5

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

HM	ST.: 4-450 LUBUNGU												YEAR : 1974/75	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.48	1.26	1.50	3.42	4.35	4.46	4.57	4.26	2.81	2.25	1.98	1.81		
2	1.46	1.26	1.56	3.56	4.34	4.46	4.55	4.25	2.77	2.24	1.98	1.80		
3	1.46	1.25	1.57	3.50	4.52	4.57	4.54	4.22	2.73	2.23	1.98	1.80		
4	1.45	1.24	1.61	3.56	4.65	4.80	4.52	4.20	2.71	2.22	1.97	1.80		
5	1.44	1.23	1.62	3.72	4.59	4.78	4.52	4.16	2.68	2.21	1.95	1.79		
6	1.44	1.24	1.67	3.79	4.28	4.78	4.53	4.15	2.65	2.20	1.94	1.78		
7	1.43	1.24	1.69	3.98	4.52	4.83	4.54	4.11	2.62	2.19	1.94	1.78		
8	1.43	1.24	1.77	4.11	4.33	4.79	4.54	4.08	2.61	2.19	1.94	1.76		
9	1.42	1.23	1.81	4.04	4.28	4.72	4.54	4.04	2.59	2.18	1.94	1.76		
10	1.41	1.23	1.84	3.96	4.21	4.64	4.53	4.00	2.57	2.17	1.94	1.75		
11	1.39	1.22	1.93	3.89	4.15	4.59	4.52	3.96	2.55	2.16	1.93	1.75		
12	1.38	1.21	1.91	3.86	4.13	4.62	4.51	3.91	2.53	2.16	1.92	1.74		
13	1.38	1.20	1.94	3.86	4.11	4.65	4.50	3.86	2.50	2.15	1.91	1.74		
14	1.37	1.20	1.97	3.87	4.11	4.66	4.49	3.81	2.48	2.13	1.91	1.73		
15	1.36	1.21	2.31	3.90	4.10	4.71	4.48	3.76	2.47	2.13	1.90	1.72		
16	1.35	1.22	2.37	3.90	4.08	4.64	4.47	3.70	2.45	2.12	1.90	1.71		
17	1.36	1.20	2.35	3.96	4.04	4.58	4.46	3.62	2.43	2.11	1.90	1.70		
18	1.35	1.25	2.30	4.05	4.03	4.54	4.45	3.55	2.42	2.10	1.89	1.69		
19	1.34	1.25	2.25	4.08	4.01	4.54	4.44	3.47	2.40	2.09	1.89	1.69		
20	1.34	1.25	2.28	4.28	3.99	4.75	4.43	3.40	2.39	2.08	1.88	1.68		
21	1.34	1.27	2.44	4.43	3.97	4.92	4.43	3.32	2.37	2.07	1.88	1.67		
22	1.33	1.26	2.57	4.44	3.96	5.00	4.41	3.24	2.36	2.07	1.87	1.66		
23	1.33	1.27	2.69	4.37	3.98	4.86	4.40	3.24	2.35	2.06	1.86	1.66		
24	1.32	1.33	2.65	4.58	4.01	4.87	4.39	3.19	2.33	2.05	1.86	1.65		
25	1.32	1.31	2.64	4.64	4.00	4.90	4.37	3.12	2.32	2.05	1.85	1.64		
26	1.29	1.33	2.80	4.70	4.03	4.84	4.36	3.08	2.31	2.03	1.85	1.63		
27	1.29	1.37	2.82	4.59	4.16	4.79	4.34	3.02	2.29	2.02	1.84	1.62		
28	1.28	1.40	2.92	4.47	4.25	4.72	4.32	2.97	2.28	2.01	1.83	1.61		
29	1.29	1.41	2.91	4.42		4.65	4.31	2.92	2.27	2.01	1.83	1.60		
30	1.28	1.44	3.31	4.40		4.61		2.88	2.26	2.00	1.83	1.60		
31	1.26		3.34	4.36		4.58		2.84		1.98	1.82			
MEAN	1.37	1.27	2.24	4.09	4.18	4.70	4.46	3.62	2.48	2.12	1.90	1.71	2.83	
MAX.	1.48	1.44	3.34	4.70	4.65	5.00	4.57	4.26	2.81	2.25	1.98	1.81	5.00	
MIN.	1.26	1.20	1.50	3.42	3.96	4.46	4.31	2.84	2.26	1.98	1.82	1.60	1.20	

QM	ST.: 4-450 LUBUNGU												YEAR : 1974/75	[DISCHARGE (m ³ /sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	31.6	19.4	33.2	275.2	476.3	502.1	530.2	454.8	172.2	100.0	72.1	56.4		
2	30.9	19.3	37.3	302.1	473.3	503.6	527.0	451.2	166.9	98.7	71.8	55.9		
3	30.5	18.8	37.9	289.1	517.6	531.0	522.3	445.4	161.6	97.3	71.5	55.7		
4	30.1	18.5	40.7	300.9	551.7	593.6	519.2	438.9	158.1	96.3	70.9	55.4		
5	29.7	18.1	41.8	334.5	535.7	586.1	519.2	429.6	154.3	94.9	69.2	54.7		
6	29.4	18.4	45.4	347.8	458.5	586.1	520.7	426.7	150.0	93.9	68.4	54.1		
7	29.0	18.5	46.8	388.6	518.4	601.2	522.3	418.3	145.5	93.3	68.4	53.9		
8	28.8	18.4	52.9	418.3	470.3	589.4	523.9	411.3	143.8	92.9	68.4	52.6		
9	28.3	18.2	56.7	403.7	457.8	569.6	523.1	403.0	141.8	92.0	68.1	52.1		
10	27.4	17.8	59.1	383.9	441.0	548.5	520.7	394.1	139.3	91.3	67.5	51.7		
11	26.6	17.5	67.2	369.3	428.1	537.3	518.4	384.6	136.5	90.3	67.2	51.2		
12	26.1	17.2	64.7	362.0	423.9	543.7	516.8	373.9	133.7	89.7	66.1	50.7		
13	26.1	16.8	68.1	362.7	418.3	552.5	512.9	363.3	129.8	88.4	65.6	50.4		
14	25.6	16.7	70.7	364.7	418.3	554.1	510.6	352.3	127.4	87.1	65.0	49.7		
15	24.9	16.9	106.3	372.6	415.5	567.1	507.5	340.8	125.9	86.8	64.4	49.0		
16	24.4	17.5	113.5	371.9	410.6	549.3	504.4	329.5	123.2	85.8	64.4	48.0		
17	24.6	16.5	111.7	383.9	401.6	533.3	502.9	314.1	121.3	84.5	64.2	47.5		
18	24.2	19.0	105.2	404.3	399.5	524.7	500.6	299.1	119.8	83.6	63.3	46.8		
19	23.7	19.0	100.0	412.7	396.1	523.1	499.0	284.4	117.6	83.0	63.1	46.6		
20	23.9	19.0	103.5	458.5	392.0	579.5	496.7	270.1	115.7	82.0	62.5	45.7		
21	23.6	20.2	122.1	496.7	387.3	626.7	494.4	256.2	114.2	80.8	62.3	45.0		
22	23.1	19.3	138.5	497.5	383.9	649.2	491.4	242.7	112.4	80.2	61.5	44.5		
23	23.2	19.9	155.6	481.6	390.0	610.4	488.4	242.7	110.9	79.3	60.6	44.1		
24	22.6	23.2	150.0	532.5	395.4	611.3	484.6	239.2	109.1	78.3	60.4	43.4		
25	22.4	22.1	148.8	550.1	393.4	619.0	480.8	222.3	107.7	78.0	60.1	42.7		
26	21.1	23.2	170.5	565.5	400.2	604.5	477.8	214.2	107.0	76.8	60.1	42.3		
27	21.0	25.6	174.1	537.3	429.6	588.6	473.3	204.7	104.5	75.6	59.3	41.6		
28	20.7	26.8	188.8	506.7	451.2	571.2	468.8	196.9	103.1	74.7	58.5	40.5		
29	21.0	27.9	188.4	492.2		551.7	465.1	188.8	102.4	74.7	58.0	40.1		
30	20.7	29.4	255.1	486.8		541.3	7.2	183.7	101.1	73.6	58.0	39.8		
31	19.7		259.5	478.5		534.1		177.2		72.1	57.2			
MEAN	25.3	20.0	106.9	417.2	437.0	567.2	487.7	320.9	128.6	85.7	64.5	48.4	224.6	
MAX.	31.6	29.4	259.5	565.5	551.7	649.2	530.2	454.8	172.2	100.0	72.1	56.4	649.2	
MIN.	19.7	16.5	33.2	275.2	383.9	502.1	7.2	177.2	101.1	72.1	57.2	39.8	7.2	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m³/s)]:

Q(95day): 418.3 Q(185day): 111.7 Q(275day): 52.1 Q(355day): 18.2

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

HM	ST.: 4-450 LUBUNGU												YEAR : 1975/76	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.59	1.39	1.38	2.06	4.07	4.03	4.88	5.00	4.47	3.13	2.54	2.19		
2	1.59	1.39	1.39	2.05	4.21	4.04	4.82	4.99	4.44	3.09	2.53	2.19		
3	1.58	1.39	1.40	2.07	4.19	4.16	4.78	4.97	4.41	3.06	2.52	2.18		
4	1.58	1.39	1.40	2.09	4.42	4.37	4.75	4.97	4.38	3.02	2.51	2.17		
5	1.58	1.38	1.47	2.14	4.09	4.27	4.87	5.03	4.36	2.99	2.50	2.16		
6	1.56	1.37	1.41	2.20	3.92	4.32	5.00	5.03	4.32	2.97	2.48	2.15		
7	1.55	1.37	1.39	2.24	3.76	4.28	5.10	5.03	4.29	2.95	2.47	2.14		
8	1.54	1.36	1.38	2.27	3.65	4.36	5.17	5.02	4.25	2.92	2.46	2.13		
9	1.53	1.36	1.43	2.35	3.61	4.55	5.22	5.00	4.21	2.90	2.45	2.12		
10	1.53	1.35	1.45	2.43	3.60	4.54	5.35	4.97	4.18	2.88	2.43	2.10		
11	1.53	1.34	1.55	2.53	3.59	4.75	5.52	4.96	4.14	2.86	2.42	2.10		
12	1.52	1.33	1.57	2.63	3.61	4.59	5.60	4.93	4.09	2.85	2.41	2.09		
13	1.51	1.32	1.55	2.71	3.64	4.49	5.74	4.90	4.04	2.83	2.40	2.09		
14	1.51	1.31	1.78	2.80	3.69	4.43	6.23	4.88	4.00	2.80	2.40	2.08		
15	1.49	1.30	1.83	2.89	3.72	4.40	6.10	4.89	3.95	2.79	2.38	2.06		
16	1.48	1.30	1.72	2.90	3.75	4.39	5.76	4.86	3.90	2.77	2.36	2.05		
17	1.48	1.33	1.71	3.01	3.73	4.39	5.50	4.84	3.84	2.75	2.35	2.04		
18	1.48	1.31	1.91	2.96	3.73	4.39	5.35	4.82	3.78	2.72	2.34	2.03		
19	1.48	1.30	1.81	2.92	3.73	4.38	5.26	4.79	3.72	2.72	2.33	2.02		
20	1.47	1.28	2.11	2.94	3.76	4.41	5.21	4.77	3.67	2.70	2.31	2.01		
21	1.46	1.28	1.87	2.98	3.79	4.42	5.17	4.75	3.62	2.69	2.30	2.00		
22	1.45	1.29	1.88	3.06	3.87	4.41	5.14	4.72	3.57	2.68	2.29	1.99		
23	1.44	1.27	1.98	3.19	3.97	4.65	5.11	4.70	3.51	2.66	2.28	1.99		
24	1.44	1.29	1.98	3.22	4.05	4.80	5.09	4.68	3.45	2.65	2.27	1.98		
25	1.44	1.28	1.90	3.27	4.17	5.08	5.07	4.65	3.40	2.64	2.26	1.97		
26	1.42	1.28	2.05	3.20	4.23	5.23	5.06	4.62	3.65	2.62	2.26	1.97		
27	1.41	1.33	2.06	3.33	4.15	5.15	5.04	4.60	3.29	2.61	2.25	1.95		
28	1.42	1.31	2.10	3.65	4.08	5.24	5.04	4.57	3.25	2.59	2.24	1.95		
29	1.44	1.33	2.12	3.64	4.02	5.23	5.03	4.55	3.20	2.58	2.22	1.95		
30	1.41	1.40	2.09	3.60	3.99	5.08	5.01	4.52	3.16	2.57	2.21	1.95		
31	1.40		2.05	3.99		4.94		4.50		2.56	2.20			
MEAN	1.49	1.33	1.73	2.82	3.89	4.57	5.23	4.82	3.89	2.79	2.37	2.06	3.08	
MAX.	1.59	1.40	2.12	3.99	4.42	5.24	6.23	5.03	4.47	3.13	2.54	2.19	6.23	
MIN.	1.40	1.27	1.38	2.05	3.59	4.03	4.75	4.50	3.16	2.56	2.20	1.95	1.27	

QM	ST.: 4-450 LUBUNGU												YEAR : 1975/76	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	39.6	26.6	25.9	79.6	409.2	400.9	613.8	648.3	506.0	222.8	135.3	93.6		
2	39.4	26.6	26.5	78.3	441.0	402.3	597.8	645.7	498.3	217.2	133.7	92.9		
3	38.8	26.6	27.2	80.2	436.7	431.0	586.9	641.3	491.4	211.7	132.9	91.6		
4	38.8	26.5	26.8	83.0	493.7	480.8	577.8	640.5	483.8	205.2	131.3	91.3		
5	39.0	26.1	31.1	87.4	414.1	456.3	611.3	656.2	477.0	200.8	129.4	90.0		
6	37.1	25.6	27.7	94.6	375.9	468.1	650.1	657.1	468.8	196.5	127.8	88.4		
7	36.2	25.1	26.5	99.0	340.8	459.2	677.5	658.0	460.7	193.6	126.7	87.4		
8	35.6	24.9	25.8	101.7	320.2	479.3	699.1	655.3	451.9	189.8	125.1	86.8		
9	35.4	24.7	29.0	110.9	310.5	525.4	714.6	647.4	442.5	186.5	123.2	85.8		
10	35.2	24.1	29.9	121.3	309.9	524.7	753.6	641.3	433.8	183.7	121.3	83.9		
11	35.2	23.4	36.9	133.7	306.9	580.3	806.4	636.1	424.6	180.5	120.2	83.3		
12	34.4	23.2	37.9	146.7	310.5	536.5	831.9	628.4	414.1	178.2	118.3	82.7		
13	34.0	22.7	36.2	158.6	316.5	509.8	879.1	621.5	403.0	175.0	117.6	82.3		
14	33.6	22.1	53.6	170.5	327.0	496.7	1048.3	615.5	392.7	170.9	116.8	81.1		
15	32.8	21.8	58.5	184.6	333.2	486.8	1001.1	617.2	382.6	169.1	114.6	79.9		
16	32.2	21.6	49.0	186.5	339.5	486.1	886.2	610.4	370.6	166.4	112.8	79.0		
17	32.2	22.9	48.3	204.2	335.1	485.3	800.5	603.7	359.4	164.2	111.7	77.4		
18	32.0	22.2	64.7	195.5	335.8	484.6	753.6	597.0	346.5	159.4	110.6	76.2		
19	31.8	21.6	56.4	189.3	336.4	483.1	725.6	590.3	334.5	159.4	109.1	75.3		
20	31.3	20.7	84.5	192.2	342.7	490.6	710.0	584.4	323.3	157.3	107.0	74.2		
21	30.7	20.7	61.7	198.9	349.1	492.2	699.1	577.8	314.1	156.0	104.9	73.3		
22	30.3	21.0	62.8	211.7	365.3	491.4	689.1	572.1	303.9	153.8	103.8	73.0		
23	29.7	20.2	71.2	234.2	387.3	551.7	682.0	565.5	292.0	151.7	103.1	72.4		
24	29.7	20.8	72.1	239.0	405.0	592.8	674.8	559.0	280.4	150.0	102.1	71.2		
25	29.2	20.3	64.4	247.0	433.1	671.2	668.6	551.7	271.3	147.9	101.4	70.7		
26	28.4	20.3	78.7	234.7	446.1	717.4	665.9	545.3	319.0	146.3	100.4	70.4		
27	27.9	23.1	79.3	257.3	427.4	691.8	661.5	538.9	251.9	144.2	99.7	69.2		
28	28.3	22.1	83.6	320.2	410.6	719.2	658.8	531.8	243.2	142.2	98.3	69.2		
29	29.2	23.2	85.2	317.8	398.8	717.4	656.2	526.2	235.3	140.9	96.3	68.9		
30	27.9	27.2	82.7	309.9		672.1	652.7	519.2	228.5	139.3	95.3	68.9		
31	27.0		79.0	390.7		631.8		512.2		137.7	94.6			
MEAN	33.0	23.3	52.4	182.6	371.0	536.0	721.1	599.9	373.5	170.9	113.7	79.7	270.6	
MAX.	39.6	27.2	85.2	390.7	493.7	719.2	1048.3	658.0	506.0	222.8	135.3	93.6	1048.3	
MIN.	27.0	20.2	25.8	78.3	306.9	400.9	577.8	512.2	228.5	137.7	94.6	68.9	20.2	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 460.7 Q(125day): 166.4 Q(275day): 72.1 Q(355day): 22.1

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

HM ST.: 4-450 LUBUNGU		YEAR : 1976/77											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.93	1.71	1.77	2.33	2.90	3.71	4.64	4.39	3.04	2.34	2.09	1.92	
2	1.93	1.71	1.76	2.36	2.96	3.77	4.63	4.36	2.99	2.33	2.08	1.92	
3	1.93	1.70	1.75	2.38	2.99	3.85	4.64	4.34	2.95	2.32	2.07	1.91	
4	1.93	1.73	1.75	2.39	3.01	3.89	4.65	4.31	2.90	2.29	2.07	1.90	
5	1.92	1.71	1.73	2.39	3.04	3.91	4.64	4.30	2.87	2.30	2.06	1.89	
6	1.91	1.70	1.72	2.39	3.07	3.98	4.64	4.27	2.83	2.29	2.06	1.88	
7	1.91	1.69	1.73	2.39	3.10	4.08	4.64	4.23	2.80	2.28	2.05	1.87	
8	1.90	1.69	1.72	2.40	3.14	4.09	4.64	4.21	2.77	2.27	2.05	1.86	
9	1.89	1.67	1.73	2.40	3.16	4.14	4.64	4.18	2.73	2.26	2.04	1.85	
10	1.90	1.68	1.74	2.41	3.19	4.16	4.64	4.15	2.70	2.25	2.02	1.83	
11	1.87	1.68	1.76	2.41	3.20	4.18	4.64	4.11	2.68	2.24	2.01	1.83	
12	1.86	1.67	1.77	2.41	3.22	4.22	4.64	4.08	2.65	2.23	2.01	1.82	
13	1.85	1.67	1.77	2.43	3.26	4.23	4.64	4.04	2.63	2.23	2.01	1.81	
14	1.83	1.67	1.76	2.44	3.28	4.22	4.64	4.00	2.60	2.22	2.03	1.79	
15	1.82	1.67	1.76	2.46	3.30	4.24	4.63	3.95	2.58	2.21	2.00	1.78	
16	1.81	1.67	1.78	2.47	3.32	4.26	4.61	3.91	2.56	2.20	1.99	1.77	
17	1.81	1.68	1.80	2.51	3.38	4.29	4.60	3.86	2.53	2.19	1.98	1.76	
18	1.80	1.68	1.87	2.54	3.41	4.40	4.59	3.81	2.51	2.19	1.98	1.75	
19	1.81	1.69	1.90	2.55	3.42	4.50	4.58	3.76	2.50	2.18	1.98	1.74	
20	1.78	1.69	1.96	2.58	3.45	4.57	4.56	3.70	2.47	2.17	1.98	1.73	
21	1.77	1.71	2.00	2.60	3.46	4.59	4.54	3.65	2.46	2.16	1.97	1.72	
22	1.76	1.71	2.03	2.64	3.51	4.57	4.53	3.59	2.44	2.15	1.97	1.71	
23	1.76	1.71	2.05	2.65	3.51	4.56	4.52	3.53	2.44	2.15	1.97	1.70	
24	1.74	1.72	2.09	2.69	3.54	4.58	4.51	3.48	2.41	2.14	1.97	1.69	
25	1.73	1.73	2.14	2.76	3.56	4.58	4.50	3.42	2.40	2.13	1.97	1.68	
26	1.73	1.75	2.20	2.80	3.59	4.58	4.48	3.36	2.39	2.13	1.97	1.67	
27	1.73	1.77	2.25	2.81	3.61	4.59	4.46	3.30	2.38	2.12	1.97	1.66	
28	1.72	1.79	2.26	2.83	3.63	4.60	4.44	3.24	2.37	2.12	1.96	1.66	
29	1.72	1.78	2.29	2.83		4.61	4.43	3.19	2.35	2.11	1.95	1.66	
30	1.71	1.78	2.30	2.83		4.61	4.41	3.13	2.35	2.10	1.94	1.66	
31	1.70		2.32	2.85		4.62		3.08		2.10	1.94		
MEAN	1.82	1.71	1.92	2.55	3.29	4.30	4.58	3.84	2.61	2.21	2.00	1.78	2.71
MAX.	1.93	1.79	2.32	2.85	3.63	4.62	4.65	4.39	3.04	2.34	2.09	1.92	4.65
MIN.	1.70	1.67	1.72	2.33	2.90	3.71	4.41	3.08	2.35	2.10	1.94	1.66	1.66

QM ST.: 4-450 LUBUNGU		YEAR : 1976/77											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	66.7	48.0	53.4	109.5	186.0	331.4	548.5	484.6	207.7	110.2	83.0	66.4	
2	67.0	48.0	52.6	112.4	195.0	344.0	547.7	478.5	200.3	108.8	82.0	66.1	
3	67.0	47.8	51.4	114.6	200.3	360.7	550.1	473.3	194.1	108.1	80.8	65.0	
4	66.7	50.2	51.4	116.1	203.3	368.6	550.9	465.9	187.0	104.5	80.2	64.2	
5	65.8	48.5	50.2	116.1	208.2	373.9	550.1	462.9	181.4	104.9	79.9	63.1	
6	65.6	47.8	49.2	116.4	213.2	388.6	550.1	456.3	175.9	103.8	79.6	62.3	
7	65.0	46.6	50.2	116.4	218.7	411.3	550.1	446.1	171.3	103.1	78.7	61.5	
8	64.2	46.6	49.2	116.8	224.8	414.1	549.3	441.7	166.9	102.4	78.0	60.9	
9	63.3	45.4	49.9	117.2	229.0	424.6	549.3	435.3	161.6	100.7	77.4	59.6	
10	64.2	45.9	50.4	118.3	233.2	430.3	550.1	427.4	157.3	100.0	75.3	58.3	
11	61.5	45.7	52.1	118.3	235.8	434.6	549.3	419.0	153.4	98.7	74.7	58.0	
12	60.6	45.4	52.9	118.3	239.5	443.9	549.3	410.6	149.6	97.6	74.7	57.5	
13	59.6	45.2	52.9	121.3	246.4	447.5	549.3	402.3	146.7	97.0	74.5	56.4	
14	58.5	45.2	52.6	122.1	249.7	444.6	548.5	392.7	143.4	96.3	76.5	54.7	
15	57.5	45.0	52.6	124.3	252.4	449.0	546.9	383.2	140.1	95.3	73.3	53.6	
16	56.4	45.4	53.6	126.7	256.8	454.1	542.9	373.9	137.7	94.6	72.7	52.9	
17	56.2	45.7	55.9	130.9	267.3	460.7	539.7	364.0	134.1	92.9	71.8	52.4	
18	55.7	45.9	61.5	134.5	273.5	486.8	535.7	352.3	131.7	92.6	71.8	51.4	
19	56.4	46.6	64.4	136.9	274.1	513.7	532.5	340.8	129.4	92.0	71.8	50.4	
20	53.9	46.8	69.8	139.7	279.8	531.0	529.4	329.5	126.3	91.0	71.5	49.7	
21	52.9	48.0	73.3	142.6	281.5	536.5	524.7	318.4	124.7	90.3	70.9	48.7	
22	52.4	48.0	76.5	148.4	292.0	531.0	521.5	306.9	122.4	89.3	70.4	48.0	
23	51.9	48.3	79.0	149.6	292.0	528.6	519.2	295.5	121.7	88.4	70.4	47.5	
24	50.9	49.2	83.0	154.7	296.7	532.5	515.3	286.2	118.7	87.4	70.4	46.6	
25	50.2	50.2	87.7	164.7	302.1	534.1	512.2	275.2	117.6	87.1	70.9	46.1	
26	49.9	51.4	93.9	170.5	306.9	534.1	508.3	263.4	116.1	87.1	70.4	45.4	
27	49.5	53.1	99.3	172.7	312.3	535.7	502.9	252.4	114.6	86.1	70.4	44.5	
28	49.2	54.7	101.1	175.0	315.9	538.1	499.0	241.6	113.5	85.5	69.8	44.5	
29	49.2	53.9	104.2	175.0		541.3	494.4	233.2	111.3	84.9	68.6	44.1	
30	48.5	53.6	105.9	176.3		541.3	490.6	223.8	110.9	83.9	68.1	44.1	
31	47.5		107.4	178.6		543.7		215.2		83.6	67.5		
MEAN	57.5	48.1	67.3	136.6	253.1	464.8	533.6	363.0	145.6	95.1	74.1	54.1	190.5
MAX.	67.0	54.7	107.4	178.6	315.9	543.7	550.9	484.6	207.7	110.2	83.0	66.4	550.9
MIN.	47.5	45.0	49.2	109.5	186.0	331.4	490.6	215.2	110.9	83.6	67.5	44.1	44.1

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 275.2 Q(185day): 107.4 Q(275day): 61.5 Q(355day): 45.4

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

HM	ST.: 4-450 LUBUNGU												YEAR : 1977/78	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1	1.65	1.41	1.55		4.74				1.68	1.30	1.02		
2	2	1.65	1.40	1.56		4.82				1.57	1.28	1.01		
3	3	1.64	1.38	1.65		4.79				1.66	1.27	1.01		
4	4	1.62	1.38	1.74		4.79				1.65	1.26	1.01		
5	5	1.61	1.39	1.46		4.77				1.64	1.24	1.00		
6	6	1.60	1.43	1.82		4.73				1.63	1.34	0.99		
7	7	1.59	1.44	1.88		4.70				1.62	1.22	0.99		
8	8	1.58	1.43	1.92		4.82				1.61	1.20	0.99		
9	9	1.58	1.42	1.93		4.77				1.60	1.19	0.98		
10	10	1.57	1.42	1.99		4.82				1.58	1.18	0.98		
11	11	1.56	1.41	2.02		4.86				1.58	1.17	0.97		
12	12	1.56	1.41	2.07		4.85				1.56	1.16	0.96		
13	13	1.55	1.39	2.10		4.85				1.55	1.16	0.96		
14	14	1.55	1.39	2.16		5.01				1.54	1.15	0.95		
15	15	1.54	1.38	2.16		5.13				1.53	1.14	0.95		
16	16	1.54	1.39	2.20		5.18				1.51	1.13	0.94		
17	17	1.53	1.40	2.23		5.13				1.50	1.12	0.94		
18	18	1.52	1.40	2.27		5.05				1.49	1.11	0.93		
19	19	1.50	1.41	2.30		5.00				1.48	1.10	0.93		
20	20	1.49	1.43	2.36		4.97				1.46	1.09	0.92		
21	21	1.48	1.42	2.42		4.97				1.45	1.09	0.92		
22	22	1.48	1.41	2.54		5.25				1.44	1.08	0.92		
23	23	1.46	1.41	2.63		5.54				1.42	1.07	0.91		
24	24	1.47	1.41	2.71		5.81				1.41	1.07	0.91		
25	25	1.46	1.40	2.78		5.76				1.39	1.06	0.90		
26	26	1.46	1.43	2.85		5.68				1.37	1.05	0.90		
27	27	1.45	1.42	2.93		5.65				1.36	1.05	0.89		
28	28	1.44	1.49	3.00		5.63				1.34	1.04	0.89		
29	29	1.42	1.50	3.14						1.33	1.04	0.88		
30	30	1.41	1.51	3.28						1.31	1.03	0.88		
31	31	1.41		3.36							1.02	0.88		

MEAN		1.53	1.42	2.29		5.07				1.51	1.14	0.95		1.95
MAX.		1.65	1.51	3.36		5.81				1.68	1.34	1.02		5.81
MIN.		1.41	1.38	1.46		4.70				1.31	1.02	0.88		0.88

QM	ST.: 4-450 LUBUNGU												YEAR : 1977/78	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1	43.8	27.4	36.7	223.4	576.2	841.3	1129.9	907.0	45.9	21.3	9.3	124.9	
2	2	43.4	26.8	37.1	233.7	597.8	842.4	1137.5	896.8	45.2	20.5	9.1	123.2	
3	3	42.7	26.1	43.6	237.2	588.6	846.7	1136.8	891.2	44.5	20.0	9.0	121.0	
4	4	41.6	25.8	50.9	239.3	588.6	848.9	1133.7	879.9	43.6	19.3	8.9	119.9	
5	5	40.9	26.3	30.5	241.4	585.3	851.1	1129.2	867.7	42.9	18.7	8.7	118.6	
6	6	40.3	29.0	57.5	244.7	573.7	856.6	1117.1	859.9	42.0	23.7	8.5	117.5	
7	7	39.4	29.2	62.8	249.3	565.5	865.5	1109.5	850.0	41.4	17.4	8.3	116.2	
8	8	39.0	28.6	66.4	254.3	598.6	871.0	1092.3	845.7	40.5	16.8	8.3	115.0	
9	9	38.6	28.3	67.2	262.3	584.4	876.6	1081.9	837.6	39.8	16.4	8.1	112.3	
10	10	37.9	28.1	72.4	267.1	597.8	883.3	1069.3	829.1	39.0	15.8	7.9	110.7	
11	11	37.5	27.7	75.3	270.6	607.9	888.9	1059.7	821.8	38.3	15.4	7.7	109.8	
12	12	37.1	27.4	80.8	273.7	605.4	892.3	1050.2	814.4	37.5	14.9	7.5	108.6	
13	13	36.9	26.6	83.6	280.7	605.4	895.7	1028.3	807.1	36.7	14.6	7.3	107.4	
14	14	36.4	26.6	89.7	289.5	652.7	914.9	1024.7	800.0	36.0	14.2	7.2	106.3	
15	15	36.0	26.1	89.7	300.3	685.5	903.6	1009.6	793.7	35.0	13.8	7.2	105.5	
16	16	36.0	26.3	94.6	308.8	701.8	907.0	991.1	787.5	34.2	13.5	7.0	104.1	
17	17	35.2	27.0	97.6	325.3	687.3	911.5	1015.6	781.4	33.4	13.0	6.8	103.1	
18	18	34.4	27.2	102.1	336.8	663.3	916.1	1015.6	775.3	32.6	12.7	6.6	101.5	
19	19	33.0	27.9	105.6	347.9	648.3	921.8	1014.4	769.2	31.8	12.5	6.5	99.5	
20	20	32.6	28.6	112.8	364.1	640.5	928.7	1009.6	763.1	30.9	12.1	6.3	98.7	
21	21	32.0	28.1	120.2	377.7	638.7	941.3	1007.2	757.0	30.1	11.8	6.3	97.2	
22	22	31.6	27.7	134.5	390.1	721.0	948.3	997.7	750.9	29.2	11.5	6.3	95.1	
23	23	30.9	27.5	146.7	408.8	811.2	956.4	989.4	744.8	28.3	11.3	6.1	93.3	
24	24	31.1	27.4	158.1	418.7	902.6	963.4	983.4	738.7	27.4	11.1	5.9	92.1	
25	25	30.9	27.2	168.7	431.0	885.2	970.5	975.2	732.6	26.5	10.8	5.8	90.3	
26	26	30.7	28.8	178.2	445.1	858.8	975.2	967.0	726.5	25.6	10.6	5.6	88.9	
27	27	30.3	28.4	190.3	452.3	849.8	981.1	951.8	720.4	24.6	10.4	5.4	87.7	
28	28	29.7	32.8	201.8	462.7	841.8	987.0	946.0	714.3	23.9	10.2	5.4	86.6	
29	29	28.4	33.4	224.8	479.7		992.9	933.3	708.2	22.9	10.0	5.3	85.4	
30	30	27.7	33.8	249.7	520.0		1002.5	918.4	702.1	22.2	9.7	5.3	83.1	
31	31	27.5		263.4	538.1		1012.0		696.0		9.5	5.1		

MEAN		35.3	28.1	112.7	338.0	673.7	916.0	1034.2	726.4	34.4	14.3	7.0	104.1	333.0
MAX.		43.8	33.8	263.4	538.1	902.6	1012.0	1137.5	907.0	45.9	23.7	9.3	124.9	1137.5
MIN.		27.5	25.8	30.5	228.4	565.5	841.3	918.4	529.4	22.2	9.5	5.1	83.1	5.1

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 648.3 Q(185day): 98.7 Q(275day): 28.1 Q(355day): 6.3

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

HM ST.: 4-450 LUBUNGU		YEAR : 1978/79											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1					4.51	4.69	5.91	5.49		3.26	2.78	2.44		
2					4.42	4.69	5.91	5.46		3.23	2.76	2.42		
3					4.42	4.69	5.91	5.43	4.51	3.20	2.75	2.41		
4					4.39	4.69	5.94	5.39	4.51	3.17	2.74	2.40		
5					4.36	4.69	5.94	5.36	4.42	3.14	2.73	2.39		
6					4.33	4.72	5.94	5.33	4.39	3.14	2.72	2.37		
7					4.30	4.79	5.94	5.30	4.33	3.11	2.71	2.35		
8					4.30	4.91	5.94	5.27	4.30	3.11	2.70	2.34		
9				3.90	4.27	4.94	5.91	5.24	4.24	3.08	2.69	2.33		
10				3.90	4.27	4.97	5.91	5.21	4.18	3.08	2.67	2.30		
11				3.90	4.24	4.97	5.88	5.18	4.15	3.05	2.66	2.29		
12				3.93	4.30	4.94	5.85	5.18	4.02	3.03	2.65	2.27		
13				3.96	4.30	4.91	5.82	5.15	4.05	3.01	2.64	2.26		
14				3.99	4.27	4.88	5.82	5.12	3.99	3.00	2.63	2.26		
15				4.02	4.27	4.88	5.79	5.09	3.93	2.99	2.62	2.25		
16				4.02	4.27	4.85	5.82	5.06	3.87	2.97	2.61	2.23		
17				4.05	4.30	4.88	5.79	5.03	3.81	2.96	2.59	2.22		
18				4.05	4.30	4.91	5.79	5.00	3.75	2.94	2.58	2.21		
19				4.08	4.33	5.00	5.73	5.00	3.72	2.93	2.57	2.19		
20				4.15	4.33	5.00	5.70	4.94	3.66	2.92	2.56	2.19		
21				4.18	4.33	5.03	5.67	4.94	3.63	2.90	2.55	2.17		
22				4.21	4.45	5.09	5.67	4.91	3.60	2.90	2.54	2.15		
23				4.30	4.42	5.15	5.64	4.88	3.54	2.89	2.53	2.15		
24				4.33	4.42	5.33	5.64	4.85	3.51	2.87	2.52	2.13		
25				4.33	4.42	5.46	5.61	4.82	3.44	2.87	2.52	2.12		
26				4.33	4.45	5.55	5.58	4.82	3.41	2.87	2.51	2.11		
27				4.33	4.54	5.70	5.55	4.75	3.38	2.84	2.49	2.10		
28				4.33	4.60	5.79	5.55	4.72	3.35	2.82	2.48	2.09		
29				4.45		5.85	5.52	4.69	3.32	2.81	2.47	2.07		
30				4.48		5.88	5.49	4.66	3.29	2.80	2.46	2.06		
31				4.48		5.88		4.63		2.80	2.44			
MEAN				4.16	4.36	5.09	5.77	5.06	3.87	2.99	2.61	2.24	4.01	
MAX.				4.48	4.60	5.88	5.94	5.49	4.51	3.26	2.78	2.44	5.94	
MIN.				3.90	4.24	4.69	5.49	4.63	3.29	2.80	2.44	2.06	2.06	

QM ST.: 4-450 LUBUNGU		YEAR : 1978/79											[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	82.4	67.4	103.2	273.7	516.0	563.9	937.0	795.7	375.5	245.9	168.7	121.7		
2	81.8	71.1	104.6	280.1	492.9	563.9	937.0	786.0	369.1	240.5	165.9	120.2		
3	81.0	75.5	104.6	287.6	492.9	563.9	937.0	776.4	516.0	235.3	164.2	118.3		
4	80.1	76.1	106.7	294.5	485.3	563.9	947.5	766.9	516.0	230.0	162.9	117.9		
5	79.3	75.2	115.7	301.6	477.8	563.9	947.5	757.4	492.9	224.8	161.6	115.7		
6	78.7	74.5	116.6	309.4	470.3	572.1	947.5	748.0	485.3	224.6	159.9	113.1		
7	78.4	74.2	118.2	334.1	462.9	586.6	947.5	738.7	470.3	219.7	158.1	110.9		
8	78.1	75.2	119.1	366.9	462.9	622.4	947.5	729.4	462.9	219.7	156.8	110.2		
9	77.9	76.7	120.1	371.9	455.6	631.0	937.0	720.1	448.3	214.7	155.1	109.5		
10	77.2	78.2	153.5	371.9	455.6	639.6	937.0	710.9	433.8	214.7	153.0	105.9		
11	75.1	79.1	140.3	371.9	448.3	639.6	926.5	701.8	426.7	209.7	151.7	103.8		
12	73.0	80.0	146.0	373.5	462.9	631.0	916.1	701.8	398.8	207.2	150.0	102.4		
13	70.7	81.9	159.3	385.3	462.9	622.4	905.7	692.7	405.7	203.7	148.8	101.4		
14	69.6	82.6	165.9	392.0	455.6	613.8	905.7	683.7	392.0	202.3	146.7	100.4		
15	68.2	84.2	172.7	398.8	455.6	613.8	895.4	674.8	378.5	199.8	145.0	99.3		
16	67.0	85.7	182.1	398.8	455.6	605.4	905.7	665.9	365.3	197.4	144.2	97.3		
17	66.5	87.4	187.2	405.7	462.9	613.8	895.4	657.1	352.3	196.0	141.8	96.6		
18	65.6	89.1	192.5	405.7	462.9	622.4	895.4	648.3	339.5	192.6	140.1	94.9		
19	64.8	90.2	179.8	412.7	470.3	648.3	875.0	648.3	333.2	190.7	139.3	93.6		
20	63.8	91.7	206.5	426.7	470.3	648.3	864.9	631.0	320.8	189.8	137.3	92.6		
21	63.2	93.5	215.3	433.8	470.3	657.1	854.8	631.0	314.7	187.0	135.7	91.0		
22		94.8	220.2	441.0	500.6	674.8	854.8	622.4	308.7	185.6	134.9	89.0		
23	62.9	95.9	224.3	462.9	492.9	692.7	844.8	613.8	296.7	184.2	133.7	88.4		
24	62.4	99.4	226.6	470.3	492.9	748.0	844.8	605.4	290.8	182.3	132.9	87.1		
25	62.6	101.4	229.0	470.3	492.9	786.0	834.9	597.0	279.2	180.9	132.1	86.1		
26	62.8	103.9	235.8	470.3	500.6	815.2	825.0	597.0	273.5	180.9	130.9	84.9		
27	62.3	104.4	247.7	470.3	523.9	864.9	815.2	580.3	267.9	176.8	128.6	83.9		
28	62.6	104.4	253.4	470.3	539.7	895.4	815.2	572.1	262.3	174.5	127.0	82.7		
29	63.4	104.3	257.3	500.6		916.1	805.4	563.9	256.8	172.7	125.9	80.8		
30	64.8	104.1	260.4	508.3		926.5	795.7	555.8	251.3	171.8	124.3	79.9		
31	66.6		267.1	508.3		926.5		547.7		170.5	122.8			
MEAN	70.2	86.7	178.4	399.2	478.3	678.6	890.0	663.4	369.5	200.9	144.5	99.3	354.3	
MAX.	82.4	104.4	267.1	508.3	539.7	926.5	947.5	795.7	516.0	245.9	168.7	121.7	947.5	
MIN.	62.3	67.4	103.2	273.7	448.3	563.9	795.7	547.7	251.3	170.5	122.8	79.9	62.3	

[Discharge Rating Curve]: Q=31.695*(H-0.476)^2

[Flow Regime (m3/s)]:

Q(95day): 516.0 Q(185day): 251.3 Q(275day): 115.7 Q(355day): 64.8

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

HM	ST.: 4-450 LUBUNGU												YEAR : 1979/80	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	2.05	2.02	2.32	3.86	4.46	4.41	4.57	4.59	3.93	2.81	2.48	2.19		
2	2.04	2.03	2.34	3.86	4.46	4.43	4.57	4.57	3.89	2.79	2.48	2.19		
3	2.03	2.03	2.39	3.86	4.38	4.42	4.57	4.56	3.84	2.77	2.47	2.19		
4	2.01	2.02	2.44	3.85	4.23	4.36	4.57	4.54	3.79	2.76	2.45	2.17		
5	2.01	2.03	2.54	3.85	4.20	4.41	4.57	4.54	3.73	2.75	2.45	2.16		
6	1.99	2.01	2.55	3.90	4.23	4.41	4.58	4.53	3.66	2.89	2.44	2.15		
7	1.98	1.99	2.57	3.90	4.26	4.53	4.60	4.51	3.64	2.73	2.44	2.14		
8	1.96	1.99	2.59	3.93	4.15	4.66	4.62	4.51	3.58	2.71	2.43	2.13		
9	1.94	1.96	2.66	3.95	4.09	4.67	4.62	4.49	3.53	2.70	2.42	2.12		
10	1.93	1.97	2.68	3.96	4.11	4.72	4.64	4.48	3.48	2.68	2.42	2.11		
11	1.92	1.96	2.70	3.97	4.12	4.68	4.64	4.48	3.42	2.68	2.41	2.10		
12	1.92	1.96	2.75	3.97	4.12	4.60	4.65	4.47	3.37	2.66	2.40	2.09		
13	1.91	1.96	2.81	3.97	4.11	4.59	4.67	4.45	3.32	2.63	2.39	2.09		
14	1.90	1.96	3.08	3.97	4.10	4.64	4.67	4.44	3.28	2.64	2.38	2.07		
15	1.89	1.96	3.20	3.96	4.10	4.63	4.67	4.43	3.23	2.63	2.38	2.06		
16	1.88	1.96	3.21	3.95	4.10	4.60	4.68	4.42	3.19	2.62	2.37	2.05		
17	1.88	1.98	3.25	3.94	4.10	4.57	4.69	4.40	3.15	2.62	2.35	2.03		
18	1.89	1.98	3.19	3.93	4.09	4.53	4.69	4.39	3.12	2.61	2.34	2.02		
19	1.89	2.00	3.16	3.92	4.09	4.51	4.69	4.37	3.08	2.58	2.33	2.01		
20	1.89	2.02	3.16	3.93	4.12	4.52	4.70	4.36	3.05	2.58	2.32	2.01		
21	1.90	2.05	3.16	3.92	4.12	4.53	4.71	4.33	3.02	2.57	2.31	2.00		
22	1.90	2.08	3.17	3.91	4.12	4.54	4.72	4.31	2.99	2.56	2.30	1.98		
23	1.91	2.11	3.20	3.90	4.11	4.54	4.72	4.28	2.97	2.55	2.29	1.97		
24	1.92	2.13	3.37	3.91	4.10	4.56	4.72	4.56	2.95	2.55	2.29	2.09		
25	1.92	2.15	3.39	3.91	4.17	4.56	4.70	4.53	2.92	2.54	2.28	1.97		
26	1.92	2.19	3.44	3.91	4.34	4.55	4.67	4.50	2.89	2.53	2.27	1.94		
27	1.92	2.21	3.49	3.92	4.31	4.54	4.65	4.46	2.88	2.51	2.26	1.93		
28	1.94	2.23	3.52	3.92	4.40	4.54	4.64	4.43	2.86	2.51	2.24	1.92		
29	1.97	2.29	3.80	4.01	4.41	4.55	4.62	4.39	2.84	2.51	2.23	1.91		
30	1.97	2.30	3.83	3.97		4.55	4.60	4.19	2.83	2.50	2.23	1.92		
31	2.02		3.86	3.97		4.56		3.98		2.50	2.23			
MEAN	1.94	2.05	3.03	3.93	4.20	4.55	4.65	4.43	3.28	2.63	2.36	2.06	3.26	
MAX.	2.05	2.30	3.86	4.01	4.46	4.72	4.72	4.59	3.93	2.89	2.48	2.19	4.72	
MIN.	1.88	1.96	2.32	3.85	4.09	4.36	4.57	3.98	2.83	2.50	2.23	1.91	1.88	

QM	ST.: 4-450 LUBUNGU												YEAR : 1979/80	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	78.3	75.6	107.4	363.3	502.1	490.6	530.2	535.7	377.2	172.7	127.8	93.6		
2	77.1	76.5	110.6	364.0	502.1	495.2	531.0	531.8	368.6	170.0	127.4	93.3		
3	76.2	76.2	116.1	362.0	483.8	492.2	531.8	528.6	358.1	167.3	125.9	92.9		
4	74.7	75.3	122.4	360.1	447.5	477.8	531.8	524.7	347.8	165.1	124.0	91.3		
5	74.2	76.8	134.5	361.4	439.6	491.4	531.8	523.1	336.4	163.4	123.2	89.7		
6	72.7	74.5	136.5	371.9	447.5	489.9	534.9	519.9	321.5	184.6	122.4	88.4		
7	72.1	72.7	138.9	371.9	452.6	519.9	538.9	516.0	316.5	160.7	121.7	87.4		
8	69.5	72.4	142.2	377.9	427.4	555.8	544.5	515.3	306.3	158.6	120.9	86.8		
9	67.8	70.1	151.3	383.2	414.1	558.2	544.5	511.4	295.5	156.8	119.8	85.8		
10	66.7	70.7	154.3	385.3	419.7	572.1	549.3	509.1	286.2	154.3	119.4	84.2		
11	66.4	69.5	157.3	387.3	421.1	559.8	549.3	507.5	275.2	153.8	118.7	83.6		
12	66.1	69.8	164.2	388.0	420.4	539.7	551.7	505.2	266.2	151.7	117.6	82.3		
13	65.6	69.5	173.1	387.3	417.6	536.5	558.2	500.6	256.8	147.5	115.7	82.3		
14	64.4	70.1	215.2	385.9	415.5	549.3	556.6	497.5	248.6	147.9	115.0	80.5		
15	63.1	69.5	234.7	383.9	415.5	546.1	558.2	495.2	241.1	147.1	114.6	79.6		
16	62.8	69.8	237.4	381.9	416.2	539.7	561.4	492.9	233.2	145.9	113.5	78.3		
17	62.8	71.5	243.7	380.6	415.5	530.2	562.3	487.6	226.9	145.0	111.3	76.2		
18	63.6	71.5	232.6	378.5	414.1	519.9	562.3	485.3	221.3	143.8	110.6	75.9		
19	63.3	73.6	228.5	376.5	413.4	516.0	563.9	480.8	215.7	140.9	108.4	74.7		
20	63.3	75.3	227.9	377.9	420.4	518.4	565.5	478.5	209.7	139.7	107.4	74.2		
21	64.2	79.0	229.0	376.5	420.4	521.5	568.8	471.1	205.7	139.3	106.7	73.3		
22	64.4	81.7	229.5	374.5	421.8	523.1	571.2	465.1	200.3	138.1	105.6	72.1		
23	65.0	84.9	235.8	371.9	419.7	524.7	572.1	459.2	197.4	136.5	103.8	70.9		
24	66.1	87.1	266.2	373.2	416.9	527.8	571.2	452.8	193.6	135.7	103.8	82.7		
25	66.4	89.3	269.6	373.2	432.4	527.8	566.3	451.9	189.3	135.3	103.1	70.4		
26	65.8	92.9	278.1	374.5	473.3	526.2	558.2	451.2	185.1	133.3	102.1	68.1		
27	66.1	95.3	287.3	376.5	466.6	524.7	553.3	450.6	183.2	131.7	100.4	67.0		
28	68.4	97.3	294.4	376.5	487.6	523.9	548.5	494.4	180.0	131.7	98.7	65.8		
29	70.4	104.5	350.4	395.4	491.4	525.4	544.5	485.3	177.7	130.9	98.0	65.0		
30	70.9	105.6	357.5	388.0		527.0	539.7	436.7	175.4	130.2	97.0	65.8		
31	75.3		363.3	386.6		529.4		390.0		129.8	97.0			
MEAN	68.2	79.0	212.6	377.3	439.2	525.2	551.7	497.2	253.2	148.0	112.3	79.4	270.1	
MAX.	78.3	105.6	363.3	395.4	502.1	572.1	572.1	535.7	377.2	184.6	127.8	93.6	572.1	
MIN.	62.8	69.5	107.4	360.1	413.4	477.8	530.2	390.0	175.4	129.8	97.0	65.0	62.8	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 466.6 Q(185day): 227.9 Q(275day): 98.0 Q(355day): 65.6

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

HM ST.: 4-450 LUBUNGU		YEAR : 1980/81											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.91	1.86	1.81	2.54	3.77	4.81	5.46	4.80		2.79	2.48	2.11		
2	1.89	1.87	1.81	2.54	3.75	4.76	5.45	4.78		2.77	2.47	2.10		
3	1.88	1.89	1.80	2.53	3.65	4.58	5.42	4.75	3.51	2.76	2.47	2.10		
4	1.86	1.91	1.80	2.50	3.67	4.57	5.38	4.72	3.47	2.75	2.45	2.08		
5	1.85	1.91	1.81	2.66	3.66	4.58	5.34	4.68	3.41	2.73	2.45	2.06		
6	1.83	1.92	1.81	2.69	3.69	4.77	5.30	4.65	3.37	2.72	2.44	2.05		
7	1.82	1.93	1.81	2.66	3.62	4.98	5.26	4.61	3.35	2.71	2.44	2.04		
8	1.81	1.94	1.81	2.74	3.98	5.11	5.23	4.58	3.32	2.70	2.33	2.04		
9	1.81	1.94	1.82	2.77	4.05	5.15	5.20	4.54	3.29	2.69	2.32	2.04		
10	1.80	1.91	1.85	2.99	4.01	5.11	5.18	4.51	3.25	2.68	2.30	2.03		
11	1.80	1.90	1.92	2.97	4.15	5.15	5.16	4.48	3.21	2.67	2.30	2.02		
12	1.81	1.87	1.92	2.98	4.18	5.20	5.13	4.44	3.19	2.67	2.29	2.02		
13	1.79	1.85	1.93	3.04	4.06	5.44	5.11	4.41	3.15	2.65	2.29	2.01		
14	1.79	1.87	1.94	3.07	3.98	5.44	5.09	4.38	3.12	2.64	2.28	2.00		
15	1.78	1.84	1.97	3.08	3.93	5.56	5.07	4.34	3.10	2.62	2.27	2.00		
16	1.77	1.82	1.97	3.11	3.96	5.63	5.04	4.31	3.07	2.61	2.26	1.99		
17	1.77	1.81	1.95	3.17	4.10	5.49	5.01	4.27	3.05	2.60	2.25	1.98		
18	1.77	1.80	1.97	3.14	4.24	5.50	4.99	4.23	3.03	2.59	2.24	1.97		
19	1.77	1.80	1.97	3.15	4.38	5.47	4.96	4.16	2.99	2.58	2.24	1.96		
20	1.76	1.79	2.00	3.17	4.40	5.47	4.94	4.09	2.97	2.57	2.22	1.95		
21	1.77	1.78	2.03	3.19	4.61	5.48	4.91	4.05	2.91	2.56	2.21	1.94		
22	1.76	1.77	2.08	3.19	4.58	5.46	4.89	4.00	2.90	2.56	2.21	1.94		
23	1.74	1.77	2.13	3.19	4.60	5.42	4.93	3.96	2.89	2.55	2.19	1.93		
24	1.74	1.77	2.17	3.33	4.60	5.42	4.91	3.91	2.89	2.54	2.18	1.90		
25	1.75	1.78	2.19	3.35	4.79	5.44	4.89	3.85	2.88	2.53	2.17	1.90		
26	1.80	1.80	2.21	3.34	5.00	5.45	4.87	3.80	2.86	2.52	2.16	1.89		
27	1.83	1.80	2.27	3.39		5.45	4.85	3.76	2.85	2.51	2.15	1.89		
28	1.84	1.80	2.36	3.43			4.83	3.75	2.86	2.50	2.14	1.89		
29	1.85	1.80	2.40	3.53			4.82	3.73	2.81	2.50	2.14	1.89		
30	1.85	1.80	2.50	3.57			4.82	3.72	2.80	2.50	2.13	1.89		
31	1.87		2.51	3.70						2.49	2.12			
MEAN	1.81	1.84	2.02	3.06	4.14	5.21	5.08	4.28	3.09	2.62	2.28	1.99	3.08	
MAX.	1.91	1.94	2.51	3.70	5.00	5.56	5.46	4.80	3.51	2.79	2.48	2.11	5.56	
MIN.	1.74	1.77	1.80	2.53	3.65	4.57	4.82	3.72	2.80	2.49	2.12	1.89	1.74	

QM ST.: 4-450 LUBUNGU		YEAR : 1980/81											[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	65.3	60.6	56.2	134.9	343.3	594.4	787.9	592.8	223.8	169.1	127.0	84.9		
2	63.3	62.0	56.7	135.3	339.5	582.8	784.1	586.1	220.7	166.9	126.3	83.6		
3	62.5	63.3	55.7	133.7	320.2	533.3	774.5	579.5	292.0	165.1	125.5	83.9		
4	60.9	64.7	55.9	142.6	323.9	531.8	761.2	571.2	283.9	163.8	124.0	81.4		
5	59.6	65.0	56.2	150.9	322.1	532.5	749.9	561.4	273.5	161.2	124.0	79.6		
6	58.3	66.1	56.2	155.1	326.4	583.6	736.7	550.9	265.7	159.4	122.8	78.3		
7	57.5	67.0	56.2	151.7	354.9	642.2	726.6	542.1	262.3	157.7	122.1	77.7		
8	56.7	68.1	56.7	162.5	390.0	680.2	717.4	533.3	256.2	156.4	120.4	77.4		
9	56.7	68.1	57.2	166.4	404.3	693.7	708.2	524.7	251.3	154.7	120.4	77.4		
10	55.4	65.6	59.6	200.3	394.7	682.0	701.8	516.0	243.2	154.3	120.9	76.5		
11	55.4	63.9	66.1	197.9	427.4	692.7	694.6	508.3	237.4	152.6	120.2	75.6		
12	56.7	61.5	66.1	199.4	435.3	707.3	687.3	499.0	232.6	152.6	120.5	75.3		
13	54.9	60.1	67.0	209.2	406.4	781.2	680.2	490.6	227.4	149.2	120.8	74.5		
14	54.4	61.2	68.4	213.2	390.0	780.3	673.9	482.3	221.8	147.9	120.1	73.6		
15	53.6	59.3	70.4	214.7	379.2	818.1	667.7	474.1	217.7	146.3	120.4	73.3		
16	52.9	57.2	70.4	219.7	384.6	810.3	659.7	465.1	213.7	144.6	120.4	72.4		
17	52.9	56.7	69.8	230.5	416.2	797.6	651.8	455.6	209.7	143.0	120.3	71.2		
18	52.9	55.7	70.4	225.4	448.3	798.6	644.8	447.5	206.7	141.8	120.0	70.4		
19	52.9	55.2	70.9	226.9	483.8	790.8	636.1	431.0	200.8	140.9	120.9	69.8		
20	52.6	54.7	73.3	230.5	488.4	791.8	621.0	414.8	196.9	138.5	120.3	68.6		
21	53.1	53.9	76.2	232.6	540.5	792.8	623.2	405.0	187.9	138.1	120.5	68.1		
22	51.9	53.4	81.1	234.2	532.5	786.0	617.2	394.1	186.5	137.3	120.3	67.8		
23	50.7	52.9	87.1	234.2	538.1	774.5	630.1	383.9	185.1	136.1	120.9	66.7		
24	50.4	52.9	91.0	259.0	538.9	773.6	624.1	373.9	184.2	134.5	120.3	64.4		
25	51.7	53.9	93.6	261.2	589.4	781.2	618.1	361.4	183.2	133.7	120.0	63.9		
26	55.9	55.4	95.3	259.5	647.4	783.1	613.0	351.0	180.5	132.5	120.3	63.6		
27	57.7	55.7	102.4	268.5	493.8	783.1	606.2	340.8	178.6	130.9	120.3	63.6		
28	59.3	55.7	112.0	275.8	501.3	785.4	602.0	338.9	180.5	130.2	120.0	63.6		
29	60.1	55.4	116.8	294.9		777.0	597.8	336.4	172.7	129.8	120.0	63.3		
30	59.8	55.9	129.4	303.9		769.7	597.0	334.5	170.9	129.4	120.0	63.3		
31	62.0		131.7	328.9		758.3		223.3		128.2	120.0	63.3		
MEAN	56.4	59.4	76.6	214.6	434.3	722.3	673.5	453.9	218.2	146.0	120.3	72.5	268.0	
MAX.	65.3	68.1	131.7	328.9	547.4	818.1	787.9	592.8	292.0	169.1	127.0	84.9	818.1	
MIN.	50.4	52.9	55.7	133.7	320.2	531.8	597.0	223.3	170.9	128.2	85.8	63.3	50.4	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 414.8 Q(185day): 154.3 Q(275day): 70.4 Q(355day): 52.9

<<< MASTER PROGRAM for 08-05(Normal Year):Daily River W/L & Discharge >>>

RM	ST.: 4-450 LUBUNGU												YEAR : 1981/82												[WATER LEVEL (m)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1	1	1.89	1.63	1.73	1.92	2.78	3.93		2.75	2.41	1.99	1.80	1.65																							
2	2	1.89	1.61	1.76	1.91	2.81	3.99		2.76	2.39	1.98	1.79	1.64																							
3	3	1.58	1.60	1.78	1.91	2.84	3.97		2.76	2.37	1.97	1.79	1.64																							
4	4	1.58	1.59	1.78	1.92	2.85	3.96		2.76	2.34	1.96	1.79	1.63																							
5	5	1.69	1.58	1.78	1.92	2.86	3.96		2.75	2.33	1.96	1.78	1.63																							
6	6	1.80	1.58	1.79	1.95	2.90	4.09	3.54	2.74	2.30	1.96	1.78	1.64																							
7	7	1.79	1.58	1.80	1.96	2.92	4.11	3.49	2.74	2.29	1.94	1.77	1.64																							
8	8	1.78	1.56	1.80	2.01	3.01	4.12	3.45		2.27	1.93	1.77	1.62																							
9	9	1.77	1.56	1.83	2.00	3.08	4.12	3.39		2.26	1.92	1.76	1.62																							
10	10	1.76	1.55	1.86	2.03	3.15	4.10	3.35	2.72	2.24	1.92	1.75	1.62																							
11	11	1.76	1.55	1.87	2.05	3.22	4.09	3.29	2.71	2.22	1.91	1.75	1.61																							
12	12	1.76	1.55	1.87	2.06	3.26	4.09	3.25	2.71	2.19	1.91	1.75	1.61																							
13	13	1.75	1.55	1.87	2.05	3.32	4.11	3.22	2.71	2.19	1.90	1.74	1.60																							
14	14	1.74	1.55	1.86	2.07	3.39	4.11	3.17	2.70	2.17	1.89	1.74	1.60																							
15	15	1.74	1.54	1.88	2.09	3.41	4.10	3.14	2.69	2.16	1.89	1.73	1.59																							
16	16	1.74	1.54	1.87	2.11	3.46	4.10	3.09	2.68	2.15	1.88	1.72	1.58																							
17	17	1.74	1.54	1.87	2.15	3.49	4.08	3.07	2.66	2.14	1.87	1.72	1.58																							
18	18	1.74	1.53	1.87	2.18	3.53	4.07	2.93	2.65	2.13	1.87	1.72	1.57																							
19	19	1.73	1.53	1.87	2.22	3.80	4.06	3.02	2.64	2.11	1.86	1.71	1.55																							
20	20	1.73	1.55	1.87	2.27	3.81	4.06	2.98	2.63	2.10	1.86	1.71	1.55																							
21	21	1.71	1.55	1.88	2.30	3.82	4.05	2.95	2.61	2.09	1.85	1.71	1.55																							
22	22	1.69	1.53	1.89	2.34	3.85	4.03	2.92	2.60	2.07	1.84	1.70	1.54																							
23	23	1.68	1.56	1.91	2.38	4.08	4.01	2.89	2.58	2.06	1.84	1.69	1.54																							
24	24	1.68	1.58	1.93	2.43	4.24	3.99	2.87	2.57	2.06	1.84	1.69	1.53																							
25	25	1.67	1.60	1.93	2.51	3.97	3.97	2.84	2.55	2.05	1.84	1.67	1.52																							
26	26	1.66	1.61	1.93	2.55	3.94	3.95	2.81	2.53	2.04	1.83	1.67	1.51																							
27	27	1.66	1.61	1.94	2.58	3.93	3.95	2.79	2.51	2.02	1.83	1.66	1.50																							
28	28	1.64	1.72	1.94	2.61	3.92	3.90	2.77	2.50	2.01	1.82	1.66	1.50																							
29	29	1.63	1.70	1.93	2.73		3.87	2.76	2.49	2.01	1.81	1.66	1.49																							
30	30	1.64	1.70	1.92	2.74		3.85	2.76	2.46	1.99	1.80	1.66	1.49																							
31	31	1.63		1.92	2.80				2.43		1.80	1.65																								

MEAN		1.72	1.58	1.86	2.22	3.42	4.03	3.07	2.64	2.17	1.89	1.73	1.58	2.30																						
MAX.		1.89	1.72	1.94	2.80	4.24	4.12	3.54	2.76	2.41	1.99	1.80	1.65	4.24																						
MIN.		1.58	1.53	1.73	1.91	2.78	3.85	2.75	2.43	1.99	1.80	1.65	1.49	1.49																						

QM	ST.: 4-450 LUBUNGU												YEAR : 1981/82												[DISCHARGE (m3/sec)]											
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL																						
1	1	63.3	42.0	49.5	66.1	168.2	377.9	270.6	164.2	118.3	72.4	55.4	43.4																							
2	2	63.3	40.9	52.5	65.3	172.2	392.0	262.9	165.6	116.1	71.8	54.7	43.2																							
3	3	38.8	40.1	53.9	65.3	176.8	386.6	254.8	165.6	113.1	70.9	54.4	42.7																							
4	4	38.8	39.2	54.1	66.1	178.2	383.9	274.0	165.1	110.6	70.1	54.4	42.3																							
5	5	46.8	38.8	53.9	66.1	180.5	383.9	243.3	164.2	108.8	69.8	53.9	42.3																							
6	6	55.4	38.3	54.9	68.6	185.6	414.8	297.3	162.9	105.6	69.5	53.6	43.2																							
7	7	54.4	38.3	55.7	69.8	189.8	418.3	287.9	162.9	103.8	67.8	53.4	42.7																							
8	8	54.1	37.5	55.7	74.2	204.2	421.8	281.0	161.3	102.1	67.0	53.1	41.2																							
9	9	53.4	37.1	58.5	73.9	215.2	421.1	258.5	160.4	100.4	66.4	52.6	41.2																							
10	10	52.6	36.2	60.6	75.5	226.4	415.5	261.8	159.9	98.3	65.8	51.7	41.6																							
11	11	52.1	36.4	61.5	78.7	237.9	413.4	251.9	158.6	95.9	65.3	51.2	40.9																							
12	12	51.9	36.9	61.5	79.3	245.9	414.8	243.7	158.6	93.6	65.0	51.2	40.5																							
13	13	51.4	36.4	62.0	78.7	256.2	419.0	238.4	157.7	93.3	64.4	50.9	40.1																							
14	14	50.9	36.7	62.8	80.5	269.0	419.0	230.5	156.4	91.3	63.6	50.7	39.8																							
15	15	50.4	36.0	62.3	83.0	273.5	416.9	224.3	155.1	90.0	63.3	49.9	39.2																							
16	16	50.4	36.0	62.0	84.9	281.5	415.5	217.2	153.4	89.0	62.8	49.2	39.0																							
17	17	50.4	36.0	61.2	88.7	287.3	412.7	213.7	151.7	87.4	61.7	49.0	38.6																							
18	18	50.4	35.2	61.5	92.0	294.9	409.9	191.2	150.0	86.8	61.2	48.7	37.7																							
19	19	49.9	35.0	61.2	95.9	351.0	407.8	205.2	148.4	84.5	60.6	48.5	36.9																							
20	20	49.7	36.2	61.2	101.7	352.3	405.4	199.4	146.7	83.6	60.4	48.3	36.7																							
21	21	48.0	36.2	62.8	105.9	354.2	404.3	194.1	144.6	82.7	59.6	48.0	36.4																							
22	22	46.8	35.2	63.6	109.9	360.7	400.2	189.8	143.4	80.8	59.3	47.3	35.8																							
23	23	45.7	37.1	65.6	115.3	412.0	396.8	185.1	140.5	79.9	59.3	46.8	35.6																							
24	24	45.7	38.8	66.7	121.3	449.7	392.0	180.9	138.5	79.3	59.1	47.1	35.0																							
25	25	45.0	40.1	67.0	131.7	385.9	387.3	176.8	136.1	78.3	58.8	45.4	34.4																							
26	26	44.7	40.9	66.7	136.5	380.6	381.9	172.7	133.7	77.1	58.5	45.0	33.8																							
27	27	44.3	40.9	67.5	140.5	378.5	381.9	169.6	130.9	75.9	58.0	44.5	33.4																							
28	28	43.2	48.7	68.4	144.6	376.5	371.2	167.3	129.4	75.0	57.2	44.5	33.0																							
29	29	42.5	47.5	67.2	160.7		366.0	165.6	128.2	74.5	56.7	44.5	32.6																							
30	30	42.7	47.5	66.1	162.0		360.1	165.1	124.7	73.0	55.7	44.3	32.4																							
31	31	42.5		66.1	170.5		330.2		120.5		55.4	43.8																								

MEAN		49.0	38.8	61.1	98.5	280.2	397.5	222.8	149.7	91.6	63.1	49.6	38.5	127.5																						
MAX.		63.3	48.7	68.4	170.5	449.7	421.8	297.3	165.6	118.3	72.4	55.4	43.4	449.7																						
MIN.		38.8	35.0	49.5	65.3	168.2	330.2	165.1	120.5	73.0	55.4	43.8	32.4	32.4																						

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 164.2 Q(185day): 67.5 Q(275day): 49.5 Q(355day): 35.6

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

HM ST.: 4-450 LUBUNGU		YEAR : 1982/83											[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1	1.48	1.50	1.89	2.51	2.76	3.71	3.81	2.78	2.13	1.84	1.69	1.57	
2	2	1.47	1.52	1.88	2.51	2.79	3.72	3.79	2.74	2.12	1.83	1.68	1.55	
3	3	1.47	1.56	1.90	2.51	2.80	3.72	3.76	2.71	2.11	1.83	1.68	1.55	
4	4	1.46	1.58	1.89	2.52	2.83	3.74	3.73	2.67	2.09	1.82	1.67	1.55	
5	5	1.45	1.58	1.91	2.52	2.87	3.75	3.70	2.63	2.07	1.81	1.67	1.55	
6	6	1.44	1.57	1.93	2.52	2.92	3.78	3.67	2.61	2.06	1.81	1.67	1.55	
7	7	1.44	1.55	1.97	2.53	2.97	3.79	3.64	2.59	2.05	1.80	1.66	1.54	
8	8	1.43	1.53	2.03	2.53	3.05	3.80	3.60	2.57	2.04	1.80	1.66	1.54	
9	9	1.43	1.53	2.08	2.53	3.12	3.84	3.56	2.55	2.02	1.79	1.66	1.53	
10	10	1.43	1.52	2.23	2.52	3.19	3.88	3.51	2.53	2.01	1.79	1.66	1.53	
11	11	1.44	1.52	2.26	2.51	3.36	3.91	3.46	2.51	2.00	1.78	1.66	1.52	
12	12	1.43	1.55	2.23	2.50	3.38	3.91	3.41	2.50	1.99	1.78	1.66	1.52	
13	13	1.42	1.54	2.25	2.50	3.41	3.92	3.35	2.47	1.98	1.77	1.65	1.51	
14	14	1.42	1.51	2.26	2.50	3.41	3.92	3.30	2.44	1.97	1.77	1.65	1.51	
15	15	1.43	1.51	2.28	2.50	3.44	3.92	3.26	2.44	1.96	1.46	1.64	1.51	
16	16	1.42	1.50	2.31	2.50	3.46	3.92	3.21	2.40	1.95	1.46	1.63	1.50	
17	17	1.43	1.50	2.32	2.54	3.48	3.92	3.17	2.39	1.95	1.76	1.62	1.50	
18	18	1.43	1.49	2.33	2.51	3.49	3.95	3.14	2.37	1.94	1.76	1.62	1.49	
19	19	1.43	1.49	2.35	2.52	3.51	3.92	3.11	2.35	1.92	1.76	1.62	1.48	
20	20	1.43	1.51	2.38	2.54	3.54	3.93	3.09	2.33	1.92	1.75	1.62	1.47	
21	21	1.43	1.50	2.37	2.54	3.51	3.93	3.07	2.31	1.92	1.74	1.62	1.47	
22	22	1.43	1.55	2.38	2.60	3.58	3.92	3.04	2.30	1.91	1.73	1.61	1.46	
23	23	1.45	1.53	2.40	2.58	3.60	3.92	3.02	2.29	1.90	1.73	1.60	1.46	
24	24	1.45	1.64	2.41	2.60	3.62	3.92	3.00	2.26	1.89	1.73	1.61	1.45	
25	25	1.45	1.59	2.33	2.60	3.49	3.92	2.97	2.24	1.88	1.73	1.60	1.45	
26	26	1.45	1.59	2.43	2.60	3.65	3.91	2.99	2.23	1.87	1.72	1.60	1.45	
27	27	1.44	1.74	2.46	2.67	3.67	3.90	2.95	2.21	1.87	1.72	1.58	1.45	
28	28	1.44	1.80	2.46	2.71	3.69	3.89	2.90	2.19	1.87	1.71	1.58	1.45	
29	29	1.45	1.75	2.48	2.86	3.87	3.87	2.86	2.18	1.86	1.70	1.58	1.45	
30	30	1.47	1.79	2.50	2.74	3.85	3.85	2.82	2.16	1.85	1.71	1.58	1.45	
31	31	1.48		2.50	2.74	3.83	3.83		2.15		1.70	1.58		
MEAN		1.44	1.57	2.24	2.57	3.31	3.86	3.30	2.42	1.97	1.74	1.63	1.50	2.29
MAX.		1.48	1.80	2.50	2.86	3.69	3.95	3.81	2.78	2.13	1.84	1.69	1.57	3.95
MIN.		1.42	1.49	1.88	2.50	2.76	3.71	2.82	2.15	1.85	1.46	1.58	1.45	1.42

QM ST.: 4-450 LUBUNGU		YEAR : 1982/83											[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1	32.0	33.2	63.6	130.9	165.1	330.7	353.0	168.2	87.1	59.1	46.8	37.7	
2	2	31.3	34.6	62.8	130.9	169.1	332.6	347.2	162.9	85.5	58.5	45.9	36.9	
3	3	31.1	37.1	63.9	130.5	171.3	333.9	342.1	157.7	84.5	58.0	45.7	36.7	
4	4	30.5	38.6	63.3	132.9	175.9	337.6	336.4	152.6	82.7	57.2	45.4	36.9	
5	5	30.3	38.3	64.7	132.5	180.9	339.5	328.9	147.5	80.8	56.4	45.4	36.7	
6	6	29.7	37.9	67.2	132.9	189.3	345.3	323.3	144.2	79.3	56.4	45.0	36.4	
7	7	29.6	36.7	70.7	133.7	197.4	347.2	317.8	141.8	78.3	55.9	44.3	36.0	
8	8	29.0	35.2	76.5	133.7	209.7	350.4	309.9	138.9	77.4	55.7	44.5	35.8	
9	9	29.0	35.0	82.0	133.3	221.8	358.1	301.5	136.5	75.9	54.9	44.3	35.2	
10	10	28.8	34.6	97.6	132.1	234.2	367.3	292.6	133.7	75.0	54.4	44.3	35.2	
11	11	29.2	34.8	101.1	130.5	264.5	373.2	282.7	131.3	73.3	54.1	44.3	34.6	
12	12	29.0	36.9	97.6	129.8	266.8	373.2	272.4	129.8	72.4	53.9	44.3	34.4	
13	13	28.4	35.6	99.3	129.4	272.4	375.9	261.8	126.3	72.1	53.4	43.8	33.8	
14	14	28.3	33.8	100.4	129.4	273.5	375.2	252.9	122.8	70.7	52.9	43.4	33.6	
15	15	28.8	33.8	103.1	129.8	278.7	375.9	245.4	122.1	70.1	50.9	42.9	33.6	
16	16	28.4	33.4	106.3	129.8	282.1	375.2	236.8	117.9	68.9	50.9	42.0	33.4	
17	17	29.0	33.2	108.1	134.9	286.2	375.2	230.5	115.7	68.6	52.4	41.8	33.0	
18	18	29.0	32.8	109.5	130.5	287.3	382.6	224.8	113.9	67.8	52.1	41.8	32.4	
19	19	29.0	32.6	111.7	132.9	292.6	376.5	220.2	111.7	66.4	51.9	41.4	32.2	
20	20	29.0	34.0	114.6	135.3	296.7	377.2	216.7	108.8	66.1	51.2	41.4	31.5	
21	21	28.8	33.2	114.2	135.3	292.6	377.9	213.7	107.0	66.1	50.4	41.2	31.1	
22	22	29.0	36.9	115.0	143.4	305.1	376.5	209.2	104.9	65.0	49.9	40.7	30.7	
23	23	29.9	35.4	116.8	140.5	308.7	375.2	205.7	103.8	64.2	49.7	39.8	30.5	
24	24	29.9	42.7	118.3	142.6	314.1	375.2	201.3	101.1	63.3	49.5	40.5	30.1	
25	25	29.9	39.4	108.4	143.0	287.3	375.2	196.9	99.0	62.8	49.5	40.3	29.9	
26	26	30.1	39.4	120.9	143.4	320.2	373.2	199.8	97.6	62.0	49.2	40.1	29.9	
27	27	29.7	50.9	124.7	152.6	323.3	371.9	194.1	95.6	61.7	48.7	39.0	29.9	
28	28	29.2	55.9	125.1	158.1	327.0	368.6	187.0	93.6	61.2	48.3	38.8	29.9	
29	29	30.3	51.4	127.4	180.0		364.7	180.0	91.6	60.6	47.8	38.8	29.9	
30	30	31.3	54.9	129.8	162.9		361.4	173.6	90.3	60.1	48.3	38.8	29.9	
31	31	32.2		129.8	162.9		356.8		89.4		47.5	38.3		
MEAN		29.7	38.1	99.8	138.7	256.9	363.9	255.3	121.2	71.0	51.3	42.4	33.3	124.3
MAX.		32.2	55.9	129.8	180.0	327.0	382.6	353.0	168.2	87.1	59.1	46.8	37.7	382.6
MIN.		28.3	32.6	62.8	129.4	165.1	330.7	173.6	88.4	60.1	50.9	38.3	29.9	28.3

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^{1.2}$

[Flow Regime (m3/s)]:

Q(95day): 158.1 Q(185day): 75.0 Q(275day): 39.0 Q(355day): 29.0

<<< MASTER PROGRAM for 06-05(Leap Year):Daily River W/L & Discharge >>>

HM	ST.: 4-450 LUBUNGU													YEAR : 1983/84	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1			1.40	2.15		3.22									
2			1.41	2.16		3.21					1.61				
3			1.42	2.20		3.22					1.61				
4			1.40	2.21		3.21	3.67	2.88			1.59				
5			1.42	2.25		3.22	3.62	2.84	1.95		1.59				
6			1.44	2.29		3.22	3.60	2.80	1.94		1.58				
7			1.44	2.34		3.24	3.57	2.76	1.93		1.58	1.46			
8			1.44	2.38		3.35	3.55	2.72	1.91		1.58	1.46			
9			1.47	2.44	3.03	3.39	3.54	2.69	1.90		1.58	1.46			
10			1.48	2.49	3.08	3.41	3.54	2.65	1.89		1.57	1.45			
11			1.51	2.55	3.08	3.43	3.52	2.62	1.88	1.69	1.57	1.45			
12			1.53	2.59	3.08	3.43	3.52	2.59	1.86	1.68	1.56	1.44			
13			1.56	2.65	3.06	3.43	3.51	2.55	1.86	1.68	1.55	1.44			
14		1.32	1.58	2.76	3.05	3.44	3.49	2.52	1.85	1.68	1.55	1.42			
15		1.31	1.58	2.84	3.04	3.45	3.48	2.48	1.84	1.68	1.55	1.42			
16		1.31	1.57	2.89	3.03	3.46	3.47	2.46	1.84	1.68	1.55				
17		1.31	1.57	2.92	3.02	3.48	3.46	2.53	1.83	1.67	1.55				
18		1.32	1.57	2.91	3.02	3.49	3.44	2.35	1.82	1.66	1.55				
19		1.31	1.57	2.91	3.02	3.50	3.43	2.33	1.80	1.66	1.55				
20		1.30	1.61	2.93	3.03	3.51	3.40	2.31	1.80	1.66	1.53				
21		1.29	1.65	2.94	3.08	3.51	3.38	2.26	1.79	1.65	1.52				
22		1.30	1.76	2.95	3.08	3.54	3.35	2.24	1.79	1.65	1.52				
23		1.35	1.77	2.96	3.11	3.55	3.32	2.22	1.78	1.65	1.52				
24		1.36	1.98	2.98	3.25	3.55	3.29	2.19	1.77	1.65	1.52				
25		1.36	1.97	2.99	3.23	3.55	3.25	2.17	1.77	1.65	1.51				
26		1.34	1.94	3.00	3.25	3.55	3.21	2.16	1.76	1.64	1.51				
27		1.35	1.91	3.02	3.30	3.55	3.18	2.10	1.76	1.63	1.51				
28		1.36	1.93	3.02	3.26			2.08		1.63	1.51				
29		1.37	1.95	3.03	3.24			2.07			1.51				
30		1.37	2.06	3.04				2.06			1.51				
31			2.04	3.04											
MEAN		1.33	1.64	2.70	3.11	3.41	3.45	2.43	1.84	1.66	1.55	1.45	2.31		
MAX.		1.37	2.06	3.04	3.30	3.55	3.67	2.88	1.95	1.59	1.61	1.46	3.67		
MIN.		1.29	1.40	2.15	3.02	3.21	3.18	2.06	1.76	1.63	1.51	1.42	1.29		

QM	ST.: 4-450 LUBUNGU													YEAR : 1983/84	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	35.9	35.3	26.8	89.0	171.0	239.0	281.3	212.3	73.4	54.4	43.7	38.5			
2	35.8	35.2	27.4	90.0	169.3	237.4	282.6	209.0	73.0	54.3	40.9	38.1			
3	35.8	35.2	28.4	94.3	167.9	237.9	281.3	179.8	72.2	53.5	40.5	38.1			
4	35.8	35.1	27.2	95.6	166.8	237.4	322.7	182.8	78.2	53.0	39.6	38.0			
5	35.7	34.8	28.3	100.0	180.7	239.0	313.5	177.2	88.9	52.5	39.4	38.0			
6	35.5	34.2	29.6	104.2	181.9	238.4	308.7	171.3	67.5	51.6	39.0	37.9			
7	35.4	33.6	29.7	110.2	184.0	242.7	303.3	165.6	66.7	51.6	39.0	37.8			
8	35.3	33.1	29.6	115.3	186.1	261.2	300.3	150.3	65.6	51.3	39.0	37.3			
9	35.2	32.9	31.1	121.7	214.7	269.0	297.3	155.6	63.9	51.2	39.8	37.0			
10	34.9	32.8	32.0	128.6	214.7	273.5	296.7	150.5	63.1	51.1	38.1	36.7			
11	34.5	32.7	33.6	135.7	215.7	275.8	293.8	145.9	62.3	45.8	37.9	36.5			
12	34.3	32.6	35.2	141.3	214.2	275.8	293.2	141.8	60.9	46.1	37.5	36.3			
13	34.0	32.2	37.5	149.2	211.7	276.4	290.8	136.9	60.6	45.9	36.9	36.1			
14	33.9	22.6	38.6	166.0	209.7	278.1	288.5	132.9	60.1	45.9	36.9	35.9			
15	33.8	22.1	38.3	177.2	207.7	280.4	286.8	127.8	59.3	45.7	36.9	35.8			
16	33.6	22.1	38.1	184.2	206.2	282.1	284.4	124.7	59.3	45.7	36.9	35.5			
17	33.6	22.1	37.9	189.3	205.2	286.2	281.5	133.7	57.7	45.2	36.9	35.2			
18	34.2	22.4	37.9	187.4	204.7	287.9	279.2	111.7	57.0	44.7	36.9	35.2			
19	34.2	22.1	37.9	188.4	204.7	290.3	275.8	109.5	55.7	44.3	36.2	35.0			
20	34.2	21.4	40.7	190.3	206.7	290.6	271.3	106.7	55.4	44.1	35.2	34.8			
21	34.3	21.1	43.4	192.2	214.2	290.8	267.9	101.4	54.9	43.8	34.8	34.6			
22	34.4	21.3	52.6	194.1	214.7	297.9	261.8	98.3	54.4	43.6	34.6	34.5			
23	34.5	24.4	53.1	196.0	219.7	299.1	256.8	95.9	53.6	43.4	34.8	34.4			
24	34.8	24.9	71.8	198.4	243.7	299.7	251.3	92.6	52.9	43.4	34.4	34.1			
25	35.4	24.9	70.7	199.8	241.1	299.7	244.3	91.0	52.9	43.4	34.0	33.8			
26	35.4	23.7	68.4	202.3	244.3	299.7	237.4	90.3	52.6	43.2	33.8	33.6			
27	35.3	24.2	65.6	204.7	252.9	299.7	231.6	83.6	52.4	42.5	33.8	33.5			
28	35.3	24.7	67.0	205.7	246.4	289.3	227.0	81.7	55.5	42.3	33.6	33.1			
29	35.3	25.4	68.9	207.2	241.6	285.7	221.7	80.2	54.9	47.1	33.6	32.8			
30	35.3	25.6	79.9	207.7		283.2	216.3	79.3	54.6	46.7	32.6	32.7			
31	35.3		77.7	209.2		279.4		73.8		46.4	32.6				
MEAN	34.9	27.8	44.7	160.5	208.3	274.9	275.0	129.2	60.7	47.7	36.8	35.7	110.9		
MAX.	35.9	35.3	79.9	209.2	252.9	299.7	322.7	212.3	78.2	54.4	43.7	38.5	322.7		
MIN.	33.6	21.1	26.8	89.0	166.8	237.4	216.3	73.8	52.4	42.3	33.6	32.7	21.1		

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 192.2 Q(185day): 54.4 Q(275day): 35.4 Q(355day): 24.4

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

HM ST.: 4-150 LUBUNGU		YEAR : 1984/85											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1				2.99	3.83	4.34	4.52		3.01	2.30	2.02	1.80	
2				3.03	3.89	4.34	4.50		2.95	2.29	2.01	1.80	
3				3.06	3.94	4.35	4.48		2.91	2.28	2.01	1.80	
4				3.11	3.96	4.36	4.47		2.88	2.27	2.00	1.79	
5				3.14	4.17	4.37	4.45		2.84	2.26	1.99	1.78	
6				3.17	4.30	4.38	4.43		2.81	2.25	1.98	1.78	
7				3.20	4.37	4.39	4.42		2.78	2.24	1.97	1.77	
8				3.23	4.49	4.40	4.42		2.74	2.23	1.97	1.76	
9				3.23	4.56	4.42	4.48		2.71	2.23	1.96	1.75	
10				3.40	4.50	4.43	4.45		2.69	2.22	1.95	1.74	
11				3.38	4.42	4.43	4.42		2.66	2.20	1.95	1.74	
12				3.40	4.37	4.42	4.42		2.64	2.19	1.93	1.73	
13				3.43	4.47	4.42	4.41		2.61	2.18	1.93	1.72	
14				3.48	4.72	4.46	4.40		2.59	2.17	1.92	1.72	
15				3.54	4.90	4.43	4.38		2.57	2.17	1.91	1.72	
16				3.59	4.98	4.40	4.37		2.55	2.16	1.91	1.71	
17				3.56	4.96	4.39	4.35		2.52	2.15	1.91	1.70	
18				3.55	4.81	4.39	4.35		2.50	2.14	1.90	1.69	
19				3.56	4.60	4.39	4.33		2.48	2.14	1.88	1.68	
20				3.60	4.47	4.39	4.33		2.46	2.13	1.88	1.67	
21				3.61	4.41	4.39	4.32		2.45	2.12	1.87	1.66	
22				3.60	4.37	4.40	4.30		2.44	2.12	1.87	1.65	
23				3.60	4.35	4.43	4.29		2.42	2.11	1.86	1.64	
24				3.62	4.34	4.48	4.27		2.40	2.10	1.86	1.63	
25				3.61	4.33	4.50	4.26		2.40	2.09	1.85	1.62	
26				3.64	4.33	4.51	4.24		2.38	2.08	1.84	1.62	
27				3.67	4.33	4.51	4.23		2.36	2.07	1.85	1.61	
28				3.73	4.33	4.56	4.21		2.34	2.06	1.82	1.61	
29				3.73		4.59	4.19		2.33	2.05	1.82	1.60	
30				3.75		4.59	4.17		2.32	2.04	1.81	1.58	
31				3.77		4.56				2.04	1.80		
MEAN				3.45	4.41	4.43	4.36		2.59	2.16	1.91	1.70	3.12
MAX.				3.77	4.98	4.59	4.52		3.01	2.30	2.02	1.80	4.98
MIN.				2.99	3.83	4.34	4.17		2.32	2.04	1.80	1.58	1.58

QM ST.: 4-150 LUBUNGU		YEAR : 1984/85											[DISCHARGE (m ³ /sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	32.7	29.5	38.8	200.3	356.8	472.6	519.2	402.0	202.8	105.9	75.9	55.7	
2	32.6	29.5	38.6	206.2	368.6	474.1	512.9	399.3	194.5	104.2	75.0	55.4	
3	32.5	29.5	38.4	211.2	380.6	475.6	508.3	391.6	188.4	102.8	74.2	55.2	
4	32.5	29.4	38.0	219.7	385.3	477.0	504.4	387.2	182.8	102.1	73.6	54.4	
5	32.4	29.3	38.2	224.8	433.1	481.6	499.8	383.5	177.7	100.4	72.4	54.1	
6	32.4	29.2	39.1	230.5	462.9	483.8	495.2	349.3	172.7	99.3	71.8	53.6	
7	32.4	29.2	39.4	234.7	480.1	486.1	492.2	334.1	167.8	98.7	70.9	52.9	
8	32.4	29.9	39.6	240.5	511.4	487.6	492.2	324.6	162.5	98.0	70.4	52.4	
9	32.4	30.4	40.7	240.5	527.8	493.7	509.3	306.1	158.1	97.0	69.8	51.4	
10	32.4	31.0	42.3	271.8	513.7	496.0	499.8	301.0	154.7	96.3	68.9	50.4	
11	32.4	31.6	45.5	267.9	492.2	494.4	493.7	296.5	150.9	94.6	68.6	50.4	
12	32.3	34.0	47.2	270.7	481.6	492.9	492.2	271.7	147.9	93.3	67.2	49.9	
13	32.3	34.0	52.0	277.0	505.2	492.9	489.9	270.8	144.6	92.3	66.7	49.2	
14	32.2	35.1	60.8	286.2	570.4	502.1	486.8	268.6	141.3	91.3	66.4	49.0	
15	32.2	35.4	66.4	296.7	621.5	494.4	483.8	263.7	138.9	90.6	65.6	48.7	
16	32.2	35.7	78.5	306.9	644.0	488.4	480.1	258.1	136.1	90.0	65.0	48.3	
17	32.1	35.8	90.0	302.1	637.0	486.1	476.3	229.2	132.5	89.0	65.0	47.5	
18	32.0	36.2	98.9	299.1	595.3	486.1	474.8	228.4	130.2	88.0	63.9	47.1	
19	31.9	38.0	115.0	301.5	538.1	486.1	471.1	227.4	127.8	87.4	62.8	45.9	
20	31.8	41.1	121.4	308.7	506.0	486.1	469.6	224.8	125.1	86.8	62.5	45.2	
21	31.8	44.2	131.8	311.7	490.6	485.3	467.4	222.0	123.2	86.1	61.7	44.1	
22	31.8	46.4	159.7	309.3	481.6	488.4	462.9	218.1	121.7	85.5	61.2	43.8	
23	31.5	46.7	171.2	308.7	476.3	495.2	460.7	217.1	119.4	84.9	60.9	42.9	
24	30.8	46.9	183.7	312.9	472.6	509.1	457.0	214.8	117.6	83.9	60.4	42.0	
25	30.7	44.1	193.4	312.3	470.3	513.7	453.4	210.8	116.8	83.0	59.8	41.4	
26	30.5	42.7	203.1	316.5	470.3	516.0	449.7	202.1	114.6	81.7	59.3	41.2	
27	30.1	42.1	215.6	323.9	471.1	516.0	446.1	197.3	112.0	80.8	59.6	40.9	
28	30.1	41.0	225.6	335.8	471.8	528.6	441.7	195.6	110.6	79.9	57.2	40.7	
29	30.0	40.5	234.0	335.8		535.7	437.4	193.9	108.8	79.0	57.0	39.8	
30	31.4	39.8	240.1	339.5		535.7	433.1	190.8	107.4	77.7	56.2	39.0	
31	29.7		246.9	344.6		527.8		185.6		77.1	55.9		
MEAN	31.8	36.3	108.8	282.2	493.4	496.4	478.7	269.8	143.0	90.6	65.4	47.8	210.1
MAX.	32.7	46.9	246.9	344.6	644.0	535.7	519.2	402.0	202.8	105.9	75.9	55.7	644.0
MIN.	29.7	29.2	38.0	200.3	356.8	472.6	433.1	185.6	107.4	77.1	55.9	39.0	29.2

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^{1.2}$

[Flow Regime (m³/s)]:

Q(95day): 349.3 Q(185day): 121.4 Q(275day): 49.2 Q(365day): 30.1

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

HM ST.: 4-450 LUBUNGU		YEAR : 1985/86											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.56				3.51		4.39	4.57	4.03	2.79	2.34		
2	1.57				3.58		4.38	4.57	4.03	2.74	2.34		
3	1.56				3.57		4.38	4.56	4.02	2.72	2.32	2.01	
4	1.55				3.56		4.39	4.56	4.02	2.70	2.31	2.01	
5	1.55				3.54		4.39	4.55	3.93	2.68	2.30	1.99	
6	1.53				3.58		4.39	4.54	3.78	2.65	2.27	1.99	
7	1.53				3.83		4.39	4.52	3.70	2.65	2.26	1.98	
8	1.52				3.89		4.38	4.50	3.64	2.62	2.26	1.98	
9	1.51				3.89		4.37	4.48	3.60	2.58	2.25	1.98	
10	1.51				3.85		4.37	4.47	3.58	2.57	2.24	1.97	
11	1.51				3.96		4.37	4.45	3.55	2.56	2.24	1.96	
12	1.51				3.96		4.37	4.43	3.51	2.55	2.24	1.95	
13	1.48				4.01		4.37	4.41	3.48	2.53	2.23	1.94	
14	1.47				4.00		4.37	4.40	3.40	2.52	2.23	1.93	
15	1.46				3.96		4.37	4.38	3.64	2.50	2.22	1.92	
16	1.46				3.90		4.37	4.36	3.28	2.49	2.22	1.90	
17	1.46				3.90		4.36	4.36	3.22	2.48	2.21	1.89	
18	1.49				3.90		4.37	4.34	3.18	2.47	2.21	1.89	
19	1.45				3.91		4.39	4.02	3.12	2.47	2.17	1.87	
20	1.44				3.93		4.43	4.30	3.09	2.45	2.16	1.86	
21	1.44				3.94		4.50	4.29	3.05	2.44	2.16	1.86	
22	1.44				3.94		4.53	4.27	3.01	2.40	2.15	1.83	
23	1.42				3.96		4.58	4.26	2.98	2.40	2.13	1.82	
24	1.42				3.98		4.71	4.20	2.94	2.39	2.13	1.81	
25	1.42				4.04		4.72	4.12	2.93		2.12		
26	1.42				4.10		4.72	4.11	2.92		2.10		
27	1.42				4.16		4.72	4.09	2.88		2.10		
28	1.42				4.18		4.71	4.08	2.85		2.09		
29	1.42						4.69	4.06	2.81		2.08		
30	1.43						4.67	4.04	2.80		2.07		
31	1.46							4.03			2.06		
MEAN	1.48				3.88		4.47	4.33	3.37	2.56	2.20	1.92	3.06
MAX.	1.58				4.18		4.72	4.57	4.03	2.79	2.34	2.01	4.72
MIN.	1.42				3.51		4.35	4.02	2.80	2.39	2.06	1.81	1.42

QM ST.: 4-450 LUBUNGU		YEAR : 1985/86											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	38.6	37.3	43.1	157.2	290.8	561.8	484.6	531.8	399.5	170.0	110.6	80.4	
2	37.7	36.5	42.0	156.7	304.5	571.7	483.8	530.2	399.5	162.5	110.2	80.0	
3	37.5	36.8	43.0	156.5	302.7	569.0	483.8	529.4	398.8	159.9	107.4	74.7	
4	36.7	37.0	44.1	159.5	300.9	572.6	484.6	528.6	398.8	157.3	106.7	74.2	
5	36.2	36.9	44.7	159.9	297.3	577.0	484.6	525.4	378.5	154.3	105.6	73.0	
6	35.4	36.5	45.1	160.4	306.3	579.8	484.6	523.1	346.5	150.5	102.1	72.4	
7	35.2	36.3	45.7	161.0	355.5	591.6	484.6	517.6	330.1	150.0	100.4	72.1	
8	34.4	36.2	46.4	161.7	369.9	582.5	483.1	512.9	317.8	145.0	100.4	71.8	
9	33.6	36.7	47.3	164.1	369.9	581.6	480.8	508.3	309.9	140.9	99.3	71.5	
10	33.6	38.2	49.8	166.5	361.4	581.6	480.8	504.4	306.3	138.9	98.7	70.9	
11	33.6	38.8	54.2	168.3	384.6	581.6	480.8	500.6	300.3	137.7	98.7	69.5	
12	33.6	39.2	56.6	170.3	385.3	580.7	480.8	495.2	290.8	135.7	98.3	69.2	
13	31.6	40.2	57.5	171.6	395.4	580.7	480.8	491.4	286.2	133.3	97.0	67.5	
14	31.3	40.6	59.0	174.3	394.1	581.6	480.1	487.6	270.1	132.1	97.0	67.0	
15	30.9	41.1	61.3	177.0	393.9	581.6	480.1	483.1	317.2	129.8	96.6	66.1	
16	30.7	41.3	63.5	179.8	371.9	581.6	480.1	479.3	249.1	129.0	96.3	64.4	
17	30.7	41.4	66.5	201.4	371.9	580.7	477.8	477.0	238.4	127.4	95.3	63.3	
18	32.4	42.8	69.0	204.3	372.6	578.0	480.8	473.3	232.1	125.9	94.9	63.1	
19	29.9	44.3	73.7	212.0	373.2	576.1	484.6	398.8	222.3	125.5	91.0	61.7	
20	29.6	45.5	80.0	215.6	378.5	576.1	495.2	464.4	217.2	124.0	90.3	60.6	
21	29.7	47.3	84.0	220.4	379.9	578.9	514.5	460.0	209.7	122.1	89.7	60.4	
22	29.2	49.0	89.1	223.3	381.2	580.7	520.7	456.3	203.7	117.6	88.7	59.0	
23	28.4	50.1	93.5	227.4	384.6	582.5	532.5	454.8	198.4	116.2	87.1	57.5	
24	28.3	48.4	97.1	233.4	389.3	586.1	568.0	438.9	191.7	116.4	86.4	56.7	
25	28.1	46.9	99.4	238.0	402.3	591.6	572.1	420.4	190.3	116.8	85.2	56.0	
26	28.1	46.4	103.2	239.6	416.2	598.0	572.1	418.3	189.3	115.5	83.9	59.3	
27	28.1	45.5	110.1	244.1	431.0	605.4	572.1	413.4	182.8	131.6	83.6	58.6	
28	28.1	44.6	131.6	252.9	435.3	609.1	568.8	410.6	179.1	130.7	82.3	58.2	
29	28.1	44.2	143.2	256.8		615.6	563.9	407.1	172.7	129.9	81.4	57.9	
30	29.0	43.7	157.2	314.0		616.5	556.6	403.0	170.5	109.1	80.8	57.2	
31	30.7		158.9	316.0		614.6		400.9		126.3	79.9		
MEAN	31.9	41.7	76.1	201.4	367.5	585.0	506.6	472.4	269.9	134.3	94.4	65.9	236.4
MAX.	38.6	50.1	158.9	316.0	435.3	616.5	572.1	531.8	399.5	170.0	110.6	80.4	616.5
MIN.	28.1	36.2	42.0	156.5	290.8	561.8	477.8	398.8	170.5	109.1	79.9	56.7	28.1

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 400.9 Q(185day): 157.2 Q(275day): 63.5 Q(355day): 29.7

<<< MASTER PROGRAM for 06-05(Normal Year):Daily River W/L & Discharge >>>

HM ST.: 4-450 LUBUNGU		YEAR : 1986/87											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.76		2.08					3.08		1.91	1.79			
2	1.76	1.83	2.09				3.78	3.07	2.19	1.90	1.78			
3	1.76	1.85	2.09				3.77	3.04	2.17	1.89	1.77			
4	1.75	1.83					3.75	3.03	2.16	1.89	1.77			
5	1.75	1.83					3.73	3.01	2.15	1.89	1.77			
6	1.74	1.83					3.71	2.97	2.13	1.89	1.77	1.62		
7	1.75	1.87					3.69	2.94	2.12	1.89	1.77	1.62		
8	1.72	1.88					3.67	2.90	2.11	1.88	1.76	1.60		
9	1.72	1.88					3.65	2.87	2.10	1.87	1.76	1.59		
10	1.74	1.90	2.25				3.64	2.83	2.09	1.87	1.74	1.58		
11	1.72	1.93	2.31				3.63	2.80	2.08	1.86	1.74	1.58		
12	1.71	1.98	2.30				3.63	2.75	2.07	1.85	1.74	1.57		
13	1.70	1.83	2.29				3.62	2.72	2.06	1.85	1.74	1.55		
14	1.69	2.05	2.29				3.59	2.68	2.05	1.85	1.74	1.55		
15	1.69	2.05	2.29				3.58	2.65	2.04	1.85	1.73	1.55		
16	1.76	2.06	2.29				3.56	2.63	2.02	1.84	1.73	1.54		
17	1.69	2.08	2.31				3.53	2.58	2.01	1.84	1.72	1.53		
18	1.69	2.09	2.31				3.51	2.55	2.01	1.83	1.72	1.52		
19	1.68	2.10	2.33				3.49	2.52	2.00	1.83	1.71	1.52		
20	1.68	2.11	2.36				3.45	2.49	1.99	1.82	1.71	1.51		
21	1.67	2.12	2.35				3.43	2.47	1.99	1.82	1.70	1.49		
22	1.67	2.13	2.36				3.40	2.44	1.97	1.81	1.70	1.49		
23	1.66	2.13	2.36				3.37	2.41	1.95	1.81	1.68	1.47		
24	1.66	2.13	2.37				3.34	2.38	1.95	1.81	1.68	1.46		
25	1.68	2.13	2.36				3.33	2.35	1.94	1.81	1.68	1.46		
26	1.69	2.13	2.37				3.32	2.34		1.80	1.68	1.45		
27	1.70	2.19	2.36							1.80	1.68	1.44		
28	1.70	2.13	2.36							1.80		1.43		
29	1.70	2.12	2.36							1.80				
30	1.78	2.08	2.37						1.92	1.80				
31	1.80		2.37							1.80				
MEAN	1.72	2.01	2.30				3.57	2.71	2.05	1.84	1.73	1.53	2.14	
MAX.	1.80	2.19	2.37				3.78	3.08	2.19	1.91	1.79	1.62	3.78	
MIN.	1.66	1.83	2.09				3.32	2.34	1.92	1.80	1.69	1.43	1.43	

QM ST.: 4-450 LUBUNGU		YEAR : 1986/87											[DISCHARGE (m ³ /sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	52.6	57.0	82.0	97.7	231.6	423.3	355.2	214.7	95.0	65.3	54.4	48.7		
2	52.4	58.0	82.3	99.6	236.4	419.5	345.9	213.2	92.9	63.9	54.1	48.4		
3	51.9	59.6	83.0	102.3	237.2	427.9	344.0	209.2	91.3	63.3	53.4	48.1		
4	51.7	58.0	112.5	104.5	239.6	431.8	338.9	206.2	90.0	63.3	53.4	47.4		
5	51.2	57.7	113.4	106.5	242.0	434.9	335.1	203.3	88.4	63.3	52.9	46.8		
6	50.4	58.0	114.6	109.6	244.4	438.8	331.4	197.4	87.1	63.1	52.9	41.6		
7	51.4	61.7	115.7	112.7	247.4	434.9	327.6	191.7	86.1	63.1	52.9	41.6		
8	49.2	62.3	117.6	116.6	251.8	432.6	323.3	187.0	84.9	62.6	52.6	40.3		
9	49.0	62.8	118.0	122.0	253.4	442.8	320.2	182.3	83.9	61.7	52.1	39.2		
10	48.4	64.2	99.7	125.9	255.4	444.3	316.5	175.4	83.0	61.2	50.9	39.0		
11	48.7	66.7	106.7	129.0	257.3	445.9	315.9	170.5	81.1	60.4	50.4	38.8		
12	48.0	72.1	105.6	132.3	261.8	442.8	314.7	164.2	80.8	60.1	50.4	38.1		
13	47.8	58.0	104.5	135.8	263.7	437.3	313.5	159.9	79.9	59.8	50.4	36.9		
14	46.8	78.0	103.8	139.6	275.7	424.1	308.1	153.4	78.0	59.8	50.4	36.9		
15	46.8	78.7	104.5	143.2	284.4	421.8	305.7	149.2	77.4	59.6	50.2	36.2		
16	52.6	79.9	104.5	146.8	294.5	419.5	301.5	147.5	75.6	59.3	49.9	35.6		
17	46.6	81.1	106.3	150.3	305.5	413.4	296.1	140.1	74.7	59.1	49.2	35.0		
18	46.4	82.7	107.0	158.1	318.0	408.1	291.4	136.5	74.2	58.0	49.0	34.8		
19	46.1	83.3	108.4	167.9	322.0	404.3	287.3	132.5	73.3	57.7	48.0	34.8		
20	45.7	84.5	112.4	172.2	354.9	400.5	281.0	129.0	73.0	57.5	48.0	33.8		
21	45.4	85.8	110.9	177.7	359.8	396.8	275.8	125.9	72.7	57.2	47.8	32.6		
22	45.2	86.4	112.4	198.1	371.2	392.4	270.7	122.1	70.9	56.7	47.3	32.6		
23	44.5	86.8	112.8	205.0	377.7	391.6	265.7	118.3	69.2	56.7	45.9	31.3		
24	44.7	86.8	113.5	211.0	383.5	389.4	260.6	115.0	68.6	56.4	45.7	30.9		
25	45.7	86.4	112.4	216.8	392.4	390.1	257.3	111.7	67.5	56.4	45.7	30.7		
26	47.1	86.4	113.1	226.3	401.3	384.3	256.8	110.2	68.1	55.4	45.7	29.9		
27	47.3	92.9	112.8	234.4	411.1	378.4	228.4	104.9	70.1	55.4	45.7	29.6		
28	47.5	86.4	112.0	241.5	421.8	374.1	222.0	102.7	69.7	55.4	49.7	29.0		
29	47.8	86.1	112.4	248.1		369.1	219.9	101.0	69.0	55.2	45.3	38.3		
30	53.6	81.4	113.9	256.2		364.1	216.8	99.0	68.5	55.2	49.2	37.8		
31	55.7		113.1	271.0		361.2		97.6		55.2	48.9			
MEAN	48.7	74.3	107.8	163.2	303.4	411.0	294.2	150.7	78.2	59.3	49.9	37.5	147.2	
MAX.	55.7	92.9	118.0	271.0	421.8	445.9	355.2	214.7	95.0	65.3	54.4	48.7	445.9	
MIN.	44.5	57.0	82.0	97.7	231.6	361.2	216.8	97.6	67.5	55.2	45.7	29.0	29.0	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m³/s)]:

Q(95day): 216.8 Q(185day): 88.4 Q(275day): 54.4 Q(355day): 34.8

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

HM	ST.: 4-450 LUBUNGU												YEAR : 1987/88	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	1.43	1.35	1.26	1.85		3.68	4.24		2.33	1.92	1.71	1.57		
2	1.43	1.34	1.23	1.83		3.68	4.17		2.29	1.90	1.71	1.57		
3	1.44	1.28	1.23	1.82		3.70	4.17		2.30	1.89	1.71	1.57		
4	1.44	1.28	1.22	1.81		3.75	4.11		2.25	1.89	1.71	1.56		
5	1.44	1.24	1.23	1.78		3.92	4.10		2.23	1.88	1.70	1.55		
6	1.42	1.23	1.26	1.76		4.01	4.10		2.21	1.88	1.69	1.54		
7	1.40	1.23	1.36	1.76		3.95	4.10		2.19	1.87	1.69	1.53		
8	1.39	1.24	1.33	1.74		3.93	4.10		2.18	1.87	1.69	1.73		
9	1.39	1.24	1.38	1.75		3.91	4.10		2.16	1.87	1.58	1.51		
10	1.38	1.24	1.34	1.77		3.89	4.10		2.14	1.86	1.68	1.51		
11	1.38	1.24	1.37	1.86		3.89	4.09		2.13	1.86	1.68	1.51		
12	1.39	1.23	1.39	1.97		3.98	4.09		2.11	1.85	1.69	1.50		
13	1.40	1.23	1.26	1.92	3.29	3.97	4.09		2.10	1.85	1.67	1.49		
14	1.41	1.22	1.74	1.87	3.31	4.01	4.09		2.08	1.83	1.66	1.49		
15	1.41		1.64	1.84	3.40	4.02	4.09		2.07	1.83	1.65	1.49		
16	1.42		1.65	1.84	3.45	4.06	4.08		2.05	1.82	1.65	1.48		
17	1.42		1.67	1.92	3.49	4.12	4.08		2.04	1.81	1.64	1.47		
18	1.41		1.67	1.97	3.51	4.11	4.08		2.04	1.80	1.63	1.43		
19	1.39		1.68	1.92	3.51	4.18	4.07		2.02	1.80	1.63	1.45		
20	1.38		1.70	1.92	3.54	4.32	4.06		2.01	1.80	1.64	1.45		
21	1.36		1.73	1.97	3.56	4.40	4.06	2.68	2.00	1.79	1.63	1.44		
22	1.36		1.74	2.03	3.60	4.43	4.05	2.64	1.99	1.78	1.60	1.42		
23	1.34		1.75	2.07	3.62	4.43	4.03	2.60	1.98	1.77	1.60	1.42		
24	1.34		1.79	1.98	3.62	4.40	4.00	2.56	1.98	1.77	1.62	1.41		
25	1.33		1.83	2.22	3.63	4.35	3.98	2.52	1.96	1.76	1.60	1.41		
26	1.32		1.77	2.32	3.65	4.33	3.96	2.49	1.95	1.75	1.61	1.41		
27			1.77	2.55	3.66	4.32	4.24	2.46	1.94	1.75	1.60	1.39		
28				2.55	3.67	4.33	3.90	2.43	1.93	1.74	1.59	1.40		
29				2.69	3.68	4.33	3.87	2.40	1.92	1.74	1.58	1.39		
30				2.83		4.32	3.87	2.37	1.92	1.73	1.58			
31						4.30		2.35			1.58			
MEAN	1.39	1.26	1.52	2.00	3.54	4.10	4.07	2.50	2.08	1.82	1.65	1.49	2.30	
MAX.	1.44	1.35	1.83	2.83	3.68	4.43	4.24	2.68	2.33	1.92	1.71	1.73	4.43	
MIN.	1.32	1.22	1.22	1.74	3.29	3.68	3.87	2.35	1.92	1.73	1.58	1.39	1.22	

QM	ST.: 4-450 LUBUNGU												YEAR : 1987/88	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	29.0	24.1	19.4	60.1	212.0	325.2	448.3	259.0	108.8	65.8	48.5	38.1		
2	29.0	23.6	18.2	58.0	219.7	325.8	433.1	255.6	104.5	64.2	48.3	37.7		
3	29.4	20.5	17.8	57.5	225.1	329.5	433.1	252.9	105.9	63.6	48.0	37.7		
4	29.4	20.3	17.5	56.4	231.1	340.2	419.7	249.3	100.0	63.1	48.0	37.1		
5	29.4	18.7	18.2	53.9	236.4	376.5	416.9	242.5	97.3	62.5	47.8	36.4		
6	28.3	18.1	19.3	52.6	239.3	394.7	416.9	236.9	95.6	62.3	47.1	35.8		
7	27.2	17.8	24.6	51.9	241.7	382.6	416.9	231.1	92.6	62.0	46.6	35.4		
8	26.6	18.4	22.9	50.9	242.8	378.5	416.9	224.0	92.0	61.7	46.4	34.7		
9	25.3	18.7	25.8	51.4	245.5	373.9	416.2	218.4	90.3	61.2	45.7	34.0		
10	26.1	18.5	23.7	53.1	247.7	368.6	415.5	210.8	88.0	60.6	45.7	33.8		
11	25.8	18.4	25.4	60.9	252.1	369.3	414.1	206.6	86.8	60.4	45.7	33.6		
12	26.5	18.1	26.3	70.7	259.5	388.6	414.1	200.9	84.9	59.8	45.7	33.2		
13	27.2	17.8	19.7	66.1	251.3	387.3	414.1	194.8	83.3	59.6	45.0	32.8		
14	27.5	17.5	50.4	62.0	255.1	396.1	414.1	186.1	81.4	58.3	44.1	32.6		
15	27.5	31.4	42.7	58.8	271.3	398.8	413.4	177.0	80.5	58.0	43.8	32.4		
16	28.1	31.6	43.8	58.8	279.9	407.1	412.7	170.1	78.7	57.2	43.4	32.0		
17	28.3	31.6	45.4	65.8	288.5	421.8	412.7	163.6	77.7	56.2	42.9	31.5		
18	27.5	31.4	45.2	70.4	292.6	419.0	412.0	154.8	77.1	55.7	42.5	29.0		
19	26.6	31.2	45.7	66.1	292.6	434.6	409.2	142.8	75.3	55.4	42.3	30.3		
20	25.8	30.8	47.5	66.1	297.3	467.4	407.8	130.5	74.5	55.2	42.7	30.3		
21	24.9	30.8	50.2	70.7	302.1	486.8	406.4	154.3	73.3	54.4	42.0	29.7		
22	24.9	30.7	50.7	76.2	303.7	496.7	405.0	148.8	72.7	53.6	39.8	28.4		
23	23.9	30.4	51.7	80.5	314.1	496.7	400.2	142.6	71.8	53.4	39.8	28.4		
24	23.4	30.3	54.7	72.1	314.1	486.8	394.1	137.7	71.2	52.9	41.4	27.9		
25	23.1	30.3	53.0	96.3	315.3	476.3	388.6	132.9	70.1	52.4	40.3	27.9		
26	22.4	30.6	53.4	107.7	318.4	470.3	385.3	128.6	68.9	51.7	40.5	27.5		
27	33.3	31.0	53.4	136.9	320.8	468.8	449.7	124.3	68.4	51.2	40.1	26.5		
28	33.1	31.4	58.8	135.7	322.7	469.6	372.6	120.5	67.2	50.9	39.6	26.8		
29	32.9	31.7	57.9	155.6	324.5	469.6	364.7	117.2	66.4	50.4	39.0	26.6		
30	32.7	32.2	57.5	175.0		468.1	364.7	114.2	65.8	49.9	38.8	42.7		
31	32.6		57.0	206.1		463.7		111.3		55.2	38.3			
MEAN	27.7	25.6	38.8	80.8	273.2	417.4	409.6	178.7	82.4	57.4	43.5	32.9	138.3	
MAX.	33.3	32.2	58.8	206.1	324.5	496.7	449.7	259.0	108.8	65.8	48.5	49.7	496.7	
MIN.	22.4	17.5	17.5	50.9	212.0	325.2	364.7	111.3	65.8	49.9	38.3	26.5	17.5	

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 225.1 Q(185day): 58.8 Q(275day): 33.3 Q(355day): 18.5

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

HM	ST.: 4-450 LUBUNGU													YEAR : 1988/89		[WATER LEVEL (m)]		
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1			1.28	1.41	1.86	3.14		4.07		2.71	2.10			1.69				
2			1.28	1.39	1.87	3.14		4.07		2.66	2.09			1.69				
3			1.27	1.39	1.89	3.21		4.06		2.64	2.07			1.68				
4			1.27	1.39	1.90	3.27		4.05		2.59	2.07			1.67				
5			1.26	1.39	1.91	3.32		4.04	3.75	2.57	2.07			1.66				
6	1.32		1.26	1.39	1.93	3.32		4.01	3.73	2.57	2.06			1.65				
7	1.32		1.26	1.46	1.95	3.52		3.99	3.72	2.50	2.04			1.65				
8	1.33		1.27	1.46	1.96	3.75		3.97	3.72	2.50	2.04			1.65				
9	1.32		1.27	1.47	1.98	3.76		3.96	3.68	2.48	2.04	1.83		1.65				
10	1.32		1.29	1.47	1.98	3.77		3.93	3.66	2.46	2.04	1.83		1.63				
11	1.30		1.30	1.48	2.03	3.63		3.92	3.65	2.45	2.01	1.83		1.61				
12	1.30		1.30	1.48	2.04			3.91	3.62	2.44	2.01	1.83		1.60				
13	1.31		1.30	1.50	2.11			3.90	3.56	2.38	2.00	1.83		1.59				
14	1.31		1.30	1.51	2.16			3.94	3.52	2.35	2.00	1.82		1.58				
15	1.31		1.30	1.53	2.20			3.88	3.48	2.34	1.98	1.81		1.58				
16	1.30		1.31	1.55	2.26	3.76		3.87	3.47	2.32	1.98	1.80		1.58				
17	1.29		1.33	1.58	2.34	3.79		3.87	3.43	2.29	1.97	1.80		1.58				
18	1.28		1.31	1.61	2.37	3.89		3.87	3.51	2.28	1.97	1.80		1.57				
19	1.27		1.33	1.64	2.41	3.84	3.96	3.86	3.34	2.26	1.95	1.78		1.55				
20	1.26		1.33	1.67	2.43	3.85	3.96	3.84	3.30	2.25	1.95	1.76		1.55				
21	1.34		1.33	1.69	2.48	4.00	3.96	3.84	3.25	2.23	1.94	1.76		1.55				
22	1.31		1.33	1.69	2.50	4.11	3.96	3.84	3.20	2.21	1.94	1.76		1.55				
23	1.29		1.33	1.68	2.53		3.96	3.83	3.12	2.21	1.92	1.76		1.54				
24	1.32		1.34	1.72	2.58		3.96	3.83	3.11	2.20	1.92	1.75		1.53				
25	1.31		1.35	1.73	2.61		3.98	3.82	3.04	2.18	1.92	1.75		1.52				
26	1.31		1.36	1.75	2.71		4.01	3.82	3.03		1.92			1.51				
27	1.30		1.36	1.76	2.74		4.05	3.82	2.94		1.91			1.52				
28	1.30		1.39	1.79	2.77		4.16	3.81			1.91			1.51				
29	1.29		1.36	1.80	2.81		4.13	3.81			1.91							
30	1.29		1.37	1.82	2.86		4.08				1.90							
31	1.29			1.84	3.07						1.89							
MEAN	1.30	1.31	1.58	2.30	3.62	4.02	3.91	3.43	2.40	1.99	1.79	1.60	2.31					
MAX.	1.34	1.39	1.84	3.07	4.11	4.16	4.07	3.75	2.71	2.10	1.83	1.69	4.16					
MIN.	1.26	1.26	1.39	1.86	3.14	3.96	3.81	2.94	2.16	1.89	1.75	1.51	1.26					

QM	ST.: 4-450 LUBUNGU													YEAR : 1988/89		[DISCHARGE (m3/sec)]		
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1		42.5	20.7	27.9	60.6	225.4	535.5	409.2	393.1	158.6	83.9	66.5	46.8					
2		42.3	20.3	26.6	61.2	224.8	544.2	409.2	387.9	151.3	82.7	66.0	46.8					
3		42.0	20.2	26.6	63.1	236.3	556.5	406.4	381.3	148.8	80.8	65.7	45.7					
4		41.8	20.0	26.6	64.2	248.1	555.6	405.0	373.4	141.8	80.8	65.3	45.4					
5		41.6	19.7	26.6	65.3	256.2	559.2	401.6	339.5	139.3	80.8	64.8	44.1					
6		22.7	19.7	26.6	67.2	256.8	564.5	394.7	336.4	138.5	79.6	64.3	43.6					
7		22.6	19.7	30.5	68.6	293.8	555.6	391.3	333.2	129.8	77.7	63.9	43.4					
8		23.1	20.2	30.5	69.8	340.2	550.3	386.6	332.6	130.2	77.7	63.5	43.4					
9		22.7	20.2	31.3	71.5	342.7	545.1	383.9	324.5	127.8	77.7	63.0	43.4					
10		22.4	21.1	31.5	71.8	344.0	539.8	378.5	320.8	125.1	77.7	63.0	42.5					
11		21.4	21.3	32.0	76.5	314.7	533.7	376.5	319.0	124.0	74.7	63.0	40.9					
12		21.3	21.4	32.2	77.4	333.4	526.0	373.9	312.9	121.7	74.5	63.0	40.3					
13		21.9	21.4	33.0	84.9	352.1	520.0	371.9	300.9	114.6	73.9	63.0	39.4					
14		21.9	21.6	34.0	90.3	371.2	514.8	358.1	294.4	111.7	73.3	63.0	39.0					
15		21.9	21.8	35.2	93.9	382.8	508.9	366.6	286.8	110.2	71.8	63.0	38.3					
16		21.3	22.1	36.9	101.4	342.7	502.2	365.3	285.0	107.4	71.8	63.0	38.8					
17		20.8	22.9	38.8	110.6	345.9	497.1	365.3	276.4	103.8	70.4	63.0	38.6					
18		20.3	22.1	40.9	114.2	368.6	485.5	364.7	290.8	103.1	70.4	63.0	38.1					
19		20.0	22.9	42.7	118.3	358.8	385.3	362.7	259.5	100.7	68.9	63.0	36.9					
20		19.7	22.9	45.4	120.9	361.4	385.3	358.8	252.4	99.3	68.9	63.0	36.9					
21		23.6	22.9	46.4	127.8	392.7	385.3	358.8	243.2	97.3	68.1	63.0	36.9					
22		22.2	22.9	47.1	130.2	419.7	385.3	358.8	235.8	95.6	68.1	63.0	36.9					
23		21.1	23.2	45.9	133.7	500.5	385.3	356.2	221.3	95.3	66.4	63.0	35.8					
24		22.4	23.7	49.0	140.5	504.7	383.9	355.5	219.2	93.9	66.1	63.0	35.0					
25		22.2	24.4	49.7	143.8	514.0	388.6	354.9	208.7	91.6	66.1	63.0	34.8					
26		22.1	24.6	51.2	158.6	520.0	394.7	354.9	207.2	91.9	66.1	63.0	34.0					
27		21.6	24.9	52.4	162.9	526.0	405.7	354.2	192.2	90.8	65.3	63.0	34.6					
28		21.4	26.3	54.7	166.4	528.5	430.3	352.3	174.5	89.8	65.3	63.0	34.2					
29		21.1	24.9	55.9	172.2		423.9	352.3	171.8	88.9	65.3	63.0	40.8					
30		20.8	25.2	57.0	180.0		412.7	359.1	167.2	87.4	63.9	63.0	40.6					
31		20.8		59.1	213.2		375.5		163.6		63.3	63.0						
MEAN	25.0	22.2	39.5	109.1	364.5	475.4	374.2	277.6	113.7	72.3	57.2	39.9	162.9					
MAX.	42.5	26.3	59.1	213.2	528.5	564.5	409.2	393.1	158.6	83.9	66.5	46.8	564.5					
MIN.	19.7	19.7	26.6	60.6	224.8	375.5	352.3	163.6	87.4	63.3	51.3	34.0	19.7					

[Discharge Rating Curve]: Q=31.695*(H-0.476)^2

[Flow Regime (m3/s)]:

Q(95day): 300.9 Q(185day): 73.3 Q(275day): 40.6 Q(355day): 20.3

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

HM	ST.: 4-450 LUBUNGU													YEAR : 1989/90		[WATER LEVEL (m)]		
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	1.46	1.38	1.67	1.97	2.74	3.17	2.84	2.54	2.13	1.77	1.53	1.40						
2	1.46	1.39	1.68	2.01	2.77	3.17	2.84	2.52	2.11	1.77	1.53	1.40						
3	1.46	1.40	1.69	2.03	2.79	3.17	2.84	2.51	2.10	1.77	1.52	1.39						
4	1.46	1.41	1.70	2.04	2.78	3.17	2.85	2.50	2.09	1.77	1.52	1.39						
5	1.46	1.42	1.71	2.10	2.82	3.17	2.85	2.47	2.07	1.74	1.52	1.39						
6	1.46	1.43	1.72	2.13	2.87	3.17	2.85	2.47	2.06	1.73	1.51	1.39						
7	1.46	1.44	1.73	2.13	2.90	3.17	2.83	2.45	2.05	1.73	1.51	1.37						
8	1.46	1.45	1.74	2.16	3.03	3.17	2.82	2.45	2.03	1.73	1.50	1.37						
9	1.45	1.46	1.75	2.26	3.13	3.17	2.80	2.49	2.02	1.72	1.49	1.36						
10	1.44	1.47	1.76	2.32	3.22	3.15	2.80	2.48	1.94	1.71	1.49	1.36						
11	1.43	1.47	1.76	2.34	3.40	3.14	2.79	2.48	1.94	1.70	1.48	1.35						
12	1.43	1.48	1.77	2.37	3.36	3.11	2.77	2.48	1.94	1.69	1.48	1.35						
13	1.44	1.49	1.78	2.40	3.26	3.11	2.76	2.46	1.94	1.67	1.48	1.34						
14	1.42	1.50	1.79	2.40	3.33	3.11	2.76	2.45	1.93	1.63	1.48	1.34						
15	1.42	1.51	1.80	2.44	3.36	3.09	2.76	2.45	1.93	1.63	1.48	1.33						
16	1.41	1.52	1.81	2.45	3.32	3.14	2.73	2.45	1.92	1.63	1.46	1.33						
17	1.40	1.53	1.82	2.47	3.26	3.06	2.73	2.45	1.92	1.61	1.45	1.33						
18	1.40	1.54	1.83	2.50	3.23	3.14	2.73	2.43	1.91	1.60	1.46	1.32						
19	1.39	1.55	1.84	2.62	3.19	3.01	2.71	2.41	1.90	1.59	1.44	1.31						
20	1.39	1.56	1.85	2.62	3.18	3.00	2.70	2.38	1.89	1.58	1.44	1.31						
21	1.38	1.57	1.86	2.62	3.17	2.99	2.70	2.36	1.87	1.58	1.44	1.30						
22	1.37	1.58	1.87	2.62	3.14	2.97	2.68	2.34	1.86	1.57	1.44	1.30						
23	1.37	1.59	1.88	2.62	3.17	2.95	2.65	2.32	1.85	1.57	1.44	1.30						
24	1.36	1.60	1.89	2.65	3.17	2.95	2.64	2.30	1.84	1.57	1.44	1.29						
25	1.37	1.61	1.90	2.65	3.19	2.91	2.62	2.27	1.83	1.56	1.43	1.28						
26	1.37	1.62	1.91	2.67	3.20	2.88	2.58	2.25	1.83	1.55	1.43	1.28						
27	1.37	1.63	1.92	2.68	3.14	2.88	2.58	2.23	1.82	1.55	1.43	1.27						
28	1.37	1.64	1.93	2.70	3.12	2.85	2.57	2.21	1.80	1.54	1.43	1.27						
29	1.37	1.65	1.94	2.71		2.85	2.58	2.18	1.79	1.53	1.41	1.25						
30	1.37	1.66	1.95	2.72		2.84	2.56	2.16	1.77	1.53	1.40	1.25						
31	1.37		1.96	2.73		2.84		2.14		1.52	1.40							
MEAN	1.41	1.52	1.81	2.42	3.12	3.05	2.73	2.39	1.94	1.64	1.47	1.33	2.06					
MAX.	1.46	1.66	1.96	2.73	3.40	3.17	2.85	2.54	2.13	1.77	1.53	1.40	3.40					
MIN.	1.36	1.38	1.67	1.97	2.74	2.84	2.56	2.14	1.77	1.52	1.40	1.25	1.25					

QM	ST.: 4-450 LUBUNGU													YEAR : 1989/90		[DISCHARGE (m3/sec)]		
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL				
1	30.9	25.9	45.1	70.9	162.9	230.0	177.3	134.5	86.4	52.9	35.4	27.2						
2	30.9	26.4	45.9	74.7	166.9	230.0	177.6	132.5	85.0	52.9	35.2	27.2						
3	30.9	27.0	46.6	76.2	170.0	230.0	177.8	130.9	83.6	52.9	34.8	25.6						
4	30.9	27.5	47.3	77.7	168.2	230.0	178.0	129.8	82.2	52.9	34.6	26.5						
5	30.9	28.1	48.1	83.9	174.5	230.0	178.2	125.5	80.9	50.4	34.5	26.3						
6	30.9	28.7	48.8	86.4	181.8	230.0	178.4	125.5	79.5	50.2	34.2	26.3						
7	30.9	29.3	49.6	87.1	187.0	230.0	176.3	124.0	78.2	50.2	33.8	25.4						
8	30.7	29.8	50.3	89.7	207.2	230.0	173.6	123.6	76.9	49.5	33.4	25.2						
9	29.9	30.4	51.1	100.4	223.8	230.0	171.3	129.0	75.6	48.7	32.3	24.7						
10	29.4	31.0	51.9	107.4	237.9	227.4	171.8	127.8	75.5	48.0	32.8	24.6						
11	29.0	31.6	52.6	110.6	270.1	225.4	169.6	127.4	75.5	47.5	32.0	24.4						
12	29.0	32.2	53.4	113.9	262.9	219.7	167.3	127.4	75.5	46.6	31.8	24.1						
13	29.2	32.8	54.2	117.6	246.4	219.7	166.0	125.1	75.5	45.2	32.0	23.7						
14	28.1	33.5	55.0	117.9	257.9	219.2	165.1	124.0	75.2	42.3	32.0	23.6						
15	28.1	34.1	55.8	122.1	264.5	217.2	165.6	123.6	75.0	42.3	32.0	23.2						
16	27.9	34.7	56.6	123.6	256.8	224.8	160.7	123.6	74.4	42.0	30.7	22.9						
17	27.2	35.3	57.4	126.7	245.4	212.2	160.7	123.6	73.6	40.7	30.3	22.9						
18	27.2	36.0	58.2	129.8	240.5	224.8	160.7	120.8	73.6	39.8	30.5	22.7						
19	26.5	36.6	59.1	145.9	234.2	203.7	158.1	118.1	72.2	39.2	29.6	22.2						
20	26.3	37.3	59.9	145.9	232.1	201.3	156.4	115.4	71.1	39.0	29.6	22.1						
21	25.8	37.9	60.7	145.9	230.0	199.8	156.4	112.7	70.0	39.0	29.7	21.8						
22	25.4	38.6	61.5	145.9	225.4	196.9	153.4	110.1	69.9	37.9	29.7	21.6						
23	25.1	39.3	62.4	145.9	230.0	194.5	150.0	107.5	69.8	37.9	29.7	21.6						
24	24.6	39.9	63.2	150.0	230.0	194.1	148.8	104.9	68.8	37.9	29.4	21.1						
25	25.4	40.6	64.1	151.3	233.2	187.9	145.9	102.4	68.0	37.2	29.0	20.5						
26	25.4	41.3	65.0	152.9	235.3	183.2	140.5	99.9	67.0	36.6	29.0	20.5						
27	25.4	42.0	65.8	154.5	224.8	183.2	139.7	97.4	66.0	36.6	29.0	20.0						
28	25.4	42.7	66.7	156.1	221.6	178.6	139.3	94.9	65.4	35.8	28.6	20.0						
29	25.4	43.4	67.6	157.7		178.6	140.9	92.5	64.9	35.2	27.5	19.0						
30	25.4	44.1	68.5	159.3		177.1	137.3	90.1	64.2	35.2	27.2	19.0						
31	25.4		69.4	161.0		177.1		87.8	63.6	34.8	27.2							
MEAN	27.8	34.6	56.8	122.2	222.2	210.2	161.4	116.5	67.9	43.1	31.2	23.2	92.3					
MAX.	30.9	44.1	69.4	161.0	270.1	230.0	178.4	134.5	86.4	52.9	35.4	27.2	270.1					
MIN.	24.6	25.9	45.1	70.9	162.9	177.1	137.3	87.8	52.9	34.8	27.2	19.0	19.0					

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 145.9 Q(185day): 59.9 Q(275day): 32.0 Q(355day): 22.1

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

HM	ST.: 4-450 LUBUNGU												YEAR : 1990/91	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	1.26	1.24	1.24	1.24	1.59	3.09	3.74	3.53	2.90	2.24	1.96	1.64	1.53	
2	1.26	1.24	1.24	1.24	1.62	3.12	3.74	3.51	2.88	2.22	1.98	1.63	1.52	
3	1.26	1.24	1.24	1.24	1.68	3.14	3.75	3.49	2.86	2.20	1.99	1.63	1.52	
4	1.26	1.24	1.24	1.24	1.70	3.17	3.75	3.47	2.84	2.18	2.01	1.62	1.51	
5	1.26	1.24	1.24	1.24	1.93	3.20	3.75	3.44	2.81	2.15	2.02	1.62	1.49	
6	1.26	1.24	1.24	1.24	2.11	3.22	3.74	3.42	2.79	2.13	2.04	1.62	1.49	
7	1.26	1.24	1.24	1.24	2.22	3.25	3.73	3.40	2.77	2.11	1.98	1.62	1.48	
8	1.26	1.24	1.24	1.24	2.21	3.28	3.72	3.38	2.75	2.09	1.74	1.61	1.47	
9	1.26	1.24	1.24	1.24	2.16	3.34	3.72	3.36	2.73	2.07	1.76	1.61	1.46	
10	1.26	1.24	1.24	1.24	2.12	3.36	3.72	3.34	2.71	2.06	1.75	1.61	1.44	
11	1.26	1.24	1.24	1.24	2.10	3.40	3.71	3.32	2.69	2.04	1.73	1.61	1.43	
12	1.26	1.24	1.24	1.24	2.15	3.42	3.70	3.30	2.67	2.03	1.73	1.60	1.42	
13	1.25	1.24	1.24	1.24	2.19	3.44	3.39	3.28	2.64	1.83	1.73	1.60	1.41	
14	1.25	1.24	1.24	1.24	2.19	3.52	3.69	3.25	2.62	1.99	1.72	1.59	1.40	
15	1.25	1.24	1.24	1.24	2.24	3.61	3.67	3.23	2.60	1.98	1.71	1.58	1.38	
16	1.25	1.24	1.23	1.23	2.32	3.67	3.67	3.21	2.58	1.98	1.71	1.58	1.37	
17	1.25	1.24	1.26	1.26	2.34	3.71	3.68	3.19	2.56	1.96	1.70	1.57	1.36	
18	1.25	1.24	1.31	1.31	2.36	3.72	3.69	3.17	2.54	1.95	1.70	1.57	1.35	
19	1.25	1.24	1.33	1.33	2.41	3.74	3.68	3.15	2.52	1.94	1.69	1.56	1.34	
20	1.25	1.24	1.33	1.33	2.41	3.75	3.74	3.13	2.50	1.93	1.68	1.56	1.32	
21	1.25	1.24	1.35	1.35	2.49	3.72	3.76	3.11	2.48	1.92	1.67	1.56	1.31	
22	1.25	1.24	1.38	1.38	2.50	3.71	3.75	3.09	2.45	1.91	1.67	1.55	1.30	
23	1.25	1.24	1.42	1.42	2.53	3.70	3.74	3.06	2.43	1.89	1.67	1.55	1.29	
24	1.25	1.24	1.46	1.46	2.58	3.70	3.70	3.04	2.41	1.89	1.67	1.55	1.27	
25	1.25	1.24	1.46	1.46	2.67	3.69	3.67	3.02	2.39	1.88	1.67	1.53	1.26	
26	1.25	1.24	1.49	1.49	2.80	3.70	3.62	3.00	2.37	1.89	1.66	1.52	1.25	
27	1.25	1.24	1.49	1.49	2.88	3.71	3.61	2.98	2.35	1.91	1.66	1.53	1.24	
28	1.25	1.24	1.59	1.59	2.97	3.72	3.59	2.96	2.33	1.92	1.66	1.52	1.23	
29	1.25	1.24	1.59	1.59	3.01		3.57	2.94	2.31	1.94	1.65	1.51	1.21	
30	1.25	1.24	1.55	1.55	3.04		3.55	2.92	2.29	1.95	1.64	1.51	1.20	
31	1.25		1.61	1.61	3.06		3.54		2.26		1.64	1.51		
MEAN	1.25	1.24	1.34	1.34	2.34	3.49	3.68	3.22	2.58	2.01	1.76	1.58	1.38	2.15
MAX.	1.26	1.24	1.61	1.61	3.06	3.75	3.76	3.53	2.90	2.24	2.04	1.64	1.53	3.76
MIN.	1.25	1.24	1.23	1.23	1.59	3.09	3.39	2.92	2.26	1.83	1.64	1.51	1.20	1.20

QM	ST.: 4-450 LUBUNGU												YEAR : 1990/91	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	19.46	18.48	18.48	18.48	39.19	216.16	337.65	295.54	186.05	98.50	70.24	42.71	35.42	
2	19.44	18.48	18.48	18.48	41.15	220.73	337.65	291.45	182.82	96.15	71.62	42.48	34.81	
3	19.42	18.48	18.48	18.48	45.90	225.36	338.91	287.40	179.61	93.82	73.02	42.04	34.41	
4	19.40	18.48	18.48	18.48	47.31	230.03	338.91	283.38	176.43	91.53	74.43	41.81	33.61	
5	19.38	18.48	18.48	18.48	66.67	234.75	338.91	279.38	173.28	89.26	75.86	41.59	32.82	
6	19.37	18.48	18.48	18.48	84.54	239.52	338.28	275.41	170.16	87.03	77.30	41.59	32.82	
7	19.35	18.48	18.48	18.48	96.62	244.34	336.39	271.47	167.07	84.82	71.81	41.15	32.03	
8	19.33	18.48	18.48	18.48	95.28	249.14	333.87	267.56	164.00	82.64	50.67	40.93	31.26	
9	19.31	18.48	18.48	18.48	89.67	260.09	333.87	263.66	160.96	80.49	52.15	40.71	30.50	
10	19.29	18.48	18.48	18.48	85.49	262.86	333.25	259.32	157.96	79.26	51.41	40.71	29.75	
11	19.27	18.48	18.48	18.48	83.91	271.84	330.75	256.00	154.98	77.44	50.18	40.49	29.00	
12	19.25	18.48	18.48	18.48	88.70	275.25	330.12	252.20	152.02	76.54	49.94	40.06	28.27	
13	19.23	18.48	18.48	18.48	92.95	278.67	269.02	248.43	149.10	58.00	49.46	39.84	27.54	
14	19.21	18.48	18.48	18.48	93.61	294.36	326.39	244.69	146.21	72.98	48.98	39.41	26.83	
15	19.19	18.48	18.48	18.48	99.00	311.68	322.68	240.98	143.34	71.81	48.50	38.76	26.12	
16	19.17	18.48	18.23	18.23	108.07	323.92	323.92	237.29	140.50	71.23	48.02	38.34	25.42	
17	19.15	18.48	19.73	19.73	110.59	331.37	325.77	233.64	137.69	69.79	47.55	38.13	24.74	
18	19.13	18.48	21.92	21.92	112.76	334.50	327.01	230.01	134.91	68.65	47.31	37.91	24.06	
19	19.12	18.48	23.06	23.06	118.30	338.28	325.77	226.41	132.16	68.08	46.37	37.28	23.39	
20	19.10	18.48	22.89	22.89	119.67	338.91	338.28	222.84	129.43	67.23	45.90	37.07	22.73	
21	19.08	18.48	24.06	24.06	128.98	334.50	342.08	219.30	126.74	65.83	45.44	37.07	22.08	
22	19.06	18.48	26.12	26.12	129.37	330.75	338.91	215.78	124.07	64.72	45.44	36.87	21.44	
23	19.04	18.48	28.08	28.08	133.30	328.88	337.02	212.30	121.43	63.62	45.21	36.66	20.81	
24	19.02	18.48	30.69	30.69	140.53	328.88	330.12	208.84	118.82	63.08	44.98	36.66	20.19	
25	19.00	18.48	30.88	30.88	153.00	327.63	323.92	205.41	116.23	62.26	44.98	35.42	19.57	
26	18.98	18.48	32.42	32.42	171.35	330.12	314.11	202.01	113.68	63.57	44.75	34.81	18.97	
27	18.96	18.48	32.42	32.42	182.76	332.00	310.47	198.64	111.15	64.89	44.29	35.42	18.36	
28	18.94	18.48	39.19	39.19	196.47	333.87	308.06	195.30	108.66	66.22	44.06	34.81	17.79	
29	18.92	18.48	39.19	39.19	203.75		303.26	191.98	106.19	67.56	43.38	34.01	17.22	
30	18.90	18.48	36.45	36.45	208.18		299.09	188.69	103.75	68.92	43.16	34.21	16.66	
31	18.89		40.49	40.49	211.66		296.72		101.33		42.93	33.81		
MEAN	19.2	18.5	24.0	24.0	115.4	290.3	325.5	240.2	141.6	74.5	52.9	38.5	26.0	112.7
MAX.	19.5	18.5	40.5	40.5	211.7	338.9	342.1	295.5	186.1	98.5	77.3	42.7	35.4	342.1
MIN.	18.9	18.5	18.2	18.2	39.2	216.2	269.0	188.7	101.3	58.0	42.9	33.8	16.7	16.7

[Discharge Rating Curve]: $Q=31.695*(H-0.476)^2$

[Flow Regime (m3/s)]:

Q(95day): 182.8 Q(185day): 52.1 Q(275day): 22.9 Q(355day): 18.5