

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1959/60	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.34	0.27	0.44	0.76	0.73	2.76	2.32	0.98	0.70	0.61	0.55	0.46		
2	0.34	0.29	0.43	0.73	0.73	2.85	2.23	0.98	0.70	0.61	0.55	0.46		
3	0.34	0.29	0.41	0.73	0.76	2.79	2.13	0.94	0.70	0.61	0.55	0.46		
4	0.34	0.30	0.40	0.72	0.79	2.67	2.07	0.94	0.70	0.61	0.55	0.46		
5	0.34	0.30	0.39	0.69	0.82	2.39	2.01	0.94	0.70	0.61	0.55	0.46		
6	0.34	0.30	0.39	0.69	0.85	2.32	1.89	0.91	0.67	0.61	0.52	0.46		
7	0.33	0.30	0.40	0.76	0.91	2.19	1.80	0.88	0.67	0.61	0.52	0.46		
8	0.33	0.32	0.40	0.79	0.98	2.13	1.68	0.88	0.67	0.61	0.52	0.43		
9	0.33	0.32	0.39	0.82	1.07	2.10	1.55	0.88	0.67	0.58	0.52	0.43		
10	0.33	0.33	0.38	0.85	1.19	2.10	1.43	0.85	0.67	0.58	0.52	0.43		
11	0.33	0.33	0.40	0.88	1.22	2.10	1.37	0.85	0.67	0.58	0.52	0.43		
12	0.33	0.33	0.43	0.91	1.28	2.07	1.31	0.85	0.67	0.58	0.52	0.43		
13	0.33	0.33	0.44	0.94	1.43	2.04	1.25	0.85	0.67	0.58	0.52	0.43		
14	0.33	0.33	0.47	1.01	1.55	2.01	1.22	0.82	0.67	0.58	0.52	0.43		
15	0.32	0.32	0.47	1.16	1.68	2.04	1.19	0.82	0.67	0.58	0.52	0.43		
16	0.32	0.30	0.47	1.16	1.77	2.07	1.16	0.79	0.64	0.58	0.52	0.43		
17	0.32	0.30	0.52	1.16	1.77	2.29	1.16	0.79	0.64	0.58	0.52	0.43		
18	0.32	0.30	0.52	1.13	1.74	2.45	1.13	0.76	0.64	0.58	0.49	0.43		
19	0.30	0.34	0.54	1.07	1.68	2.61	1.10	0.76	0.64	0.58	0.49	0.40		
20	0.30	0.37	0.55	0.98	1.74	2.70	1.07	0.76	0.64	0.58	0.49	0.40		
21	0.30	0.37	0.57	0.88	1.95	2.82	1.04	0.76	0.64	0.58	0.49	0.40		
22	0.30	0.37	0.58	0.82	2.26	3.00	1.01	0.73	0.64	0.58	0.49	0.40		
23	0.30	0.36	0.61	0.82	2.73	3.22	1.01	0.73	0.64	0.58	0.49	0.40		
24	0.29	0.35	0.64	0.76	2.85	3.40	0.98	0.73	0.64	0.55	0.49	0.40		
25	0.29	0.34	0.67	0.70	2.79	3.46	0.98	0.73	0.64	0.55	0.49	0.40		
26	0.29	0.36	0.70	0.67	2.51	3.37	0.98	0.73	0.64	0.55	0.49	0.40		
27	0.29	0.37	0.73	0.64	2.24	3.19	0.98	0.73	0.64	0.55	0.49	0.40		
28	0.27	0.37	0.73	0.64	2.45	2.94	0.94	0.70	0.64	0.55	0.49	0.37		
29	0.27	0.40	0.73	0.64	2.67	2.73	0.94	0.70	0.61	0.55	0.46	0.37		
30	0.27	0.44	0.73	0.67		2.73	0.98	0.70	0.61	0.55	0.46	0.37		
31	0.27		0.75	0.70		2.70		0.70		0.55	0.46			
MEAN	0.31	0.33	0.53	0.84	1.63	2.59	1.36	0.81	0.66	0.58	0.51	0.42	0.88	
MAX.	0.34	0.44	0.75	1.16	2.85	3.46	2.32	0.98	0.70	0.61	0.55	0.46	3.46	
MIN.	0.27	0.27	0.38	0.64	0.73	2.01	0.94	0.70	0.61	0.55	0.46	0.37	0.27	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1959/60	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	20.4	17.7	25.5	44.4	42.4	279.2	209.8	59.9	40.4	34.8	31.2	26.3		
2	20.4	18.4	24.8	42.4	42.4	294.8	196.7	59.9	40.4	34.8	31.2	26.3		
3	20.4	18.4	24.0	42.4	44.4	284.4	184.0	57.5	40.4	34.8	31.2	26.3		
4	20.4	18.8	23.3	41.4	46.5	264.1	175.8	57.5	40.4	34.8	31.2	26.3		
5	20.4	18.8	23.0	39.4	48.6	221.1	167.8	57.5	40.4	34.8	31.2	26.3		
6	20.4	19.0	23.0	39.4	50.7	209.8	152.2	55.2	38.5	34.8	29.5	26.3		
7	20.1	19.0	23.3	44.4	55.2	192.4	141.1	52.9	38.5	34.8	29.5	26.3		
8	20.1	19.7	23.3	46.5	59.9	184.0	126.9	52.9	38.5	34.8	29.5	24.8		
9	20.1	19.7	23.0	48.6	67.2	179.9	113.4	52.9	38.5	33.0	29.5	24.8		
10	20.1	20.1	22.5	50.7	77.6	179.9	100.8	50.7	38.5	33.0	29.5	24.8		
11	20.1	20.1	23.3	52.9	80.4	179.9	94.7	50.7	38.5	33.0	29.5	24.8		
12	20.1	20.1	24.8	55.2	85.9	175.8	88.8	50.7	38.5	33.0	29.5	24.8		
13	20.1	20.1	25.5	57.5	100.8	171.8	83.1	50.7	38.5	33.0	29.5	24.8		
14	20.1	20.1	27.1	62.3	113.4	167.8	80.4	48.6	38.5	33.0	29.5	24.8		
15	19.7	19.7	27.1	74.9	126.9	171.8	77.6	48.6	38.5	33.0	29.5	24.8		
16	19.7	19.0	27.1	74.9	137.5	175.8	74.9	46.5	36.6	33.0	29.5	24.8		
17	19.7	19.0	29.5	74.9	137.5	205.4	74.9	46.5	36.6	33.0	29.5	24.8		
18	19.7	19.0	29.5	72.3	133.9	230.3	72.3	44.4	36.6	33.0	27.9	24.8		
19	19.0	20.4	30.9	67.2	126.9	254.2	69.7	44.4	36.6	33.0	27.9	23.3		
20	19.0	21.8	31.2	59.9	133.9	269.1	67.2	44.4	36.6	33.0	27.9	23.3		
21	19.0	21.8	32.6	52.9	159.9	289.6	64.7	44.4	36.6	33.0	27.9	23.3		
22	18.8	21.8	33.0	48.6	201.0	321.7	62.3	42.4	36.6	33.0	27.9	23.3		
23	18.8	21.5	34.8	48.6	274.1	361.4	62.3	42.4	36.6	33.0	27.9	23.3		
24	18.4	21.1	36.6	44.4	294.8	397.3	59.9	42.4	36.6	31.2	27.9	23.3		
25	18.4	20.4	38.5	40.4	284.4	409.6	59.9	42.4	36.6	31.2	27.9	23.3		
26	18.4	21.5	40.4	38.5	239.7	391.2	59.9	42.4	36.6	31.2	27.9	23.3		
27	18.4	21.8	42.4	36.6	198.9	355.6	59.9	42.4	36.6	31.2	27.9	23.3		
28	17.7	21.8	42.4	36.6	230.3	310.8	57.5	40.4	36.6	31.2	27.9	21.8		
29	17.7	23.3	42.4	36.6	264.1	274.1	57.5	40.4	34.8	31.2	26.3	21.8		
30	17.7	25.5	42.4	38.5		274.1	59.9	40.4	34.8	31.2	26.3	21.8		
31	17.7		43.4	40.4		269.1		40.4		31.2	26.3			
MEAN	19.4	20.3	30.3	50.1	133.1	256.3	98.5	48.2	37.7	33.0	28.9	24.4	64.9	
MAX.	20.4	25.5	43.4	74.9	294.8	409.6	209.8	59.9	40.4	34.8	31.2	26.3	409.6	
MIN.	17.7	17.7	22.5	36.6	42.4	167.8	57.5	40.4	34.8	31.2	26.3	21.8	17.7	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 57.5 Q(185day): 36.6 Q(275day): 24.8 Q(355day): 18.8

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1960/61	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.37	0.34	0.50	0.85	1.40	3.69	3.81	1.77	1.05	0.88	0.76	0.64		
2	0.37	0.34	0.52	0.85	1.39	3.63	3.80	1.74	1.04	0.87	0.75	0.62		
3	0.37	0.32	0.55	0.98	1.42	3.54	3.44	1.68	1.02	0.87	0.75	0.62		
4	0.37	0.32	0.55	1.13	1.52	3.35	3.29	1.65	1.02	0.87	0.75	0.61		
5	0.37	0.32	0.55	1.19	1.68	3.35	3.23	1.60	1.01	0.87	0.73	0.61		
6	0.37	0.32	0.49	1.25	1.77	3.44	3.23	1.55	0.99	0.85	0.73	0.61		
7	0.37	0.32	0.47	1.19	1.83	3.51	3.41	1.49	0.98	0.85	0.73	0.59		
8	0.37	0.32	0.46	1.13	1.86	3.66	3.54	1.46	0.98	0.85	0.73	0.59		
9	0.37	0.32	0.46	1.10	1.98	3.79	3.66	1.43	0.96	0.85	0.72	0.59		
10	0.37	0.34	0.47	1.04	2.01	3.87	3.54	1.40	0.96	0.84	0.72	0.58		
11	0.37	0.34	0.49	1.07	2.01	3.78	3.26	1.37	0.96	0.84	0.70	0.58		
12	0.37	0.35	0.50	1.13	2.01	3.76	3.02	1.34	0.94	0.84	0.70	0.58		
13	0.37	0.37	0.55	1.19	1.95	3.72	2.83	1.33	0.94	0.84	0.70	0.56		
14	0.37	0.40	0.52	1.22	1.89	3.66	2.76	1.28	0.93	0.82	0.69	0.56		
15	0.37	0.43	0.49	1.25	1.83	3.60	2.68	1.25	0.93	0.82	0.69	0.56		
16	0.37	0.46	0.46	1.25	1.83	3.58	2.68	1.23	0.93	0.82	0.69	0.55		
17	0.37	0.47	0.46	1.31	1.95	3.60	2.65	1.23	0.91	0.81	0.69	0.55		
18	0.37	0.49	0.46	1.31	2.32	3.55	2.56	1.22	0.91	0.81	0.69	0.55		
19	0.35	0.50	0.46	1.31	2.70	3.47	2.50	1.22	0.91	0.81	0.67	0.55		
20	0.35	0.49	0.46	1.34	2.98	3.54	2.44	1.20	0.91	0.79	0.67	0.53		
21	0.35	0.49	0.49	1.40	3.14	3.66	2.32	1.19	0.91	0.79	0.67	0.53		
22	0.35	0.49	0.55	1.40	3.44	3.72	2.23	1.17	0.90	0.79	0.67	0.53		
23	0.35	0.49	0.58	1.40	3.60	3.75	2.13	1.16	0.90	0.79	0.67	0.52		
24	0.35	0.55	0.61	1.37	3.60	3.81	2.07	1.16	0.90	0.79	0.66	0.52		
25	0.35	0.58	0.67	1.34	3.44	3.96	2.01	1.14	0.90	0.78	0.66	0.52		
26	0.35	0.59	0.73	1.28	3.51	4.15	1.98	1.13	0.88	0.78	0.66	0.52		
27	0.35	0.56	0.79	1.31	3.60	4.27	1.92	1.13	0.88	0.78	0.66	0.50		
28	0.34	0.58	0.88	1.34	3.66	4.27	1.89	1.11	0.88	0.78	0.64	0.50		
29	0.34	0.58	0.85	1.37		4.24	1.86	1.10	0.88	0.78	0.64	0.49		
30	0.34	0.52	0.85	1.40		4.15	1.83	1.08	0.88	0.76	0.64	0.49		
31	0.34		0.82	1.40		4.02		1.07		0.76	0.64			
MEAN	0.36	0.43	0.57	1.23	2.37	3.74	2.75	1.32	0.94	0.82	0.69	0.56	1.31	
MAX.	0.37	0.59	0.88	1.40	3.66	4.27	3.81	1.77	1.05	0.88	0.76	0.64	4.27	
MIN.	0.34	0.32	0.46	0.85	1.39	3.35	1.83	1.07	0.88	0.76	0.64	0.49	0.32	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1960/61	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	21.8	20.4	28.7	50.7	97.7	457.5	484.1	137.5	65.9	52.9	44.4	36.6		
2	21.8	20.4	29.6	50.7	96.2	444.4	438.0	133.9	64.7	51.8	43.4	35.7		
3	21.8	19.7	31.2	59.9	99.2	425.2	406.5	126.9	63.5	51.8	43.4	35.7		
4	21.8	19.7	31.2	72.3	110.2	388.1	376.1	123.5	63.5	51.8	43.4	34.8		
5	21.8	19.7	31.2	77.6	126.9	388.1	364.3	118.4	62.3	51.8	42.4	34.8		
6	21.8	19.7	27.9	83.1	137.5	406.5	364.3	113.4	61.1	50.7	42.4	34.8		
7	21.8	19.7	27.1	77.6	144.8	418.9	400.3	107.0	59.9	50.7	42.4	33.9		
8	21.8	19.7	26.3	72.3	148.5	450.9	425.2	103.9	59.9	50.7	42.4	33.9		
9	21.8	19.7	26.3	69.7	163.8	480.7	450.9	100.8	58.7	50.7	41.4	33.9		
10	21.8	20.4	27.1	64.7	167.8	497.7	425.2	97.7	58.7	49.7	41.4	33.0		
11	21.8	20.4	27.9	67.2	167.8	477.4	370.2	94.7	58.7	49.7	40.4	33.0		
12	21.8	21.1	28.7	72.3	167.8	474.0	324.5	91.7	57.5	49.7	40.4	33.0		
13	21.8	21.8	31.2	77.6	159.9	464.1	292.2	90.3	57.5	49.7	40.4	32.1		
14	21.8	23.3	29.5	80.4	152.2	450.9	279.2	85.9	56.4	48.6	39.4	32.1		
15	21.8	24.8	27.9	83.1	144.8	438.0	266.6	83.1	56.4	48.6	39.4	32.1		
16	21.8	26.3	26.3	83.1	144.8	434.8	266.6	81.7	56.4	48.6	39.4	31.2		
17	21.8	27.1	26.3	88.8	159.9	438.0	261.6	81.7	55.2	47.5	39.4	31.2		
18	21.8	27.9	26.3	88.8	209.8	428.4	246.9	80.4	55.2	47.5	39.4	31.2		
19	21.1	28.7	26.3	88.8	269.1	412.7	237.4	80.4	55.2	47.5	38.5	31.2		
20	21.1	27.9	26.3	91.7	313.5	425.2	228.0	79.0	55.2	46.5	38.5	30.4		
21	21.1	27.9	27.9	97.7	347.0	450.9	209.8	77.6	55.2	46.5	38.5	30.4		
22	21.1	27.9	31.2	97.7	406.5	464.1	196.7	76.3	54.1	46.5	38.5	30.4		
23	21.1	27.9	33.0	97.7	438.0	470.7	184.0	74.9	54.1	46.5	38.5	29.6		
24	21.1	31.2	34.8	94.7	438.0	484.1	175.8	74.9	54.1	46.5	37.5	29.5		
25	21.1	33.0	38.5	91.7	406.5	518.4	167.8	73.6	54.1	45.4	37.5	29.5		
26	21.1	33.9	42.4	85.9	418.9	561.2	163.8	72.3	52.9	45.4	37.5	29.5		
27	21.1	32.1	46.5	88.8	438.0	590.6	156.0	72.3	52.9	45.4	37.5	28.7		
28	20.4	33.0	52.9	91.7	450.9	590.6	152.2	71.0	52.9	45.4	36.6	28.7		
29	20.4	33.0	50.7	94.7		583.2	148.5	69.7	52.9	45.4	36.6	27.9		
30	20.4	29.5	50.7	97.7		561.2	144.8	68.5	52.9	44.4	36.6	27.9		
31	20.4		48.6	97.7		532.5		67.2		44.4	36.6			
MEAN	21.4	25.3	32.9	81.8	233.1	471.3	286.9	90.7	57.3	48.3	39.8	31.9	117.6	
MAX.	21.8	33.9	52.9	97.7	450.9	590.6	484.1	137.5	65.9	52.9	44.4	36.6	590.6	
MIN.	20.4	19.7	26.3	50.7	96.2	388.1	144.8	67.2	52.9	44.4	36.6	27.9	19.7	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 100.8 Q(185day): 51.8 Q(275day): 31.2 Q(355day): 20.4

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

HM ST.: 4-560 CHIFUMPA PONTOON		YEAR : 1961/62											[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.49	0.43	0.76	1.66	1.74	4.21	5.11	2.64	1.55	1.25	1.08	0.87	
2	0.49	0.44	0.76	1.62	1.83	4.24	5.20	2.59	1.54	1.25	1.08	0.87	
3	0.49	0.46	0.79	1.55	2.04	4.33	5.44	2.53	1.52	1.23	1.07	0.85	
4	0.49	0.46	0.79	1.52	2.13	4.39	5.62	2.44	1.51	1.23	1.07	0.85	
5	0.47	0.46	0.79	1.55	2.47	4.36	5.68	2.38	1.51	1.22	1.07	0.84	
6	0.47	0.46	0.78	1.65	2.68	4.08	5.62	2.32	1.49	1.22	1.05	0.84	
7	0.47	0.46	0.78	1.77	2.93	3.63	5.53	2.29	1.48	1.20	1.04	0.82	
8	0.47	0.52	0.88	1.98	3.35	3.26	5.38	2.26	1.48	1.20	1.04	0.82	
9	0.47	0.49	0.91	2.13	3.81	3.08	5.23	2.23	1.48	1.19	1.04	0.82	
10	0.46	0.47	1.04	2.01	4.11	2.93	4.98	2.21	1.46	1.19	1.04	0.81	
11	0.46	0.46	1.16	1.91	4.33	3.11	4.69	2.18	1.45	1.19	1.02	0.79	
12	0.46	0.46	1.34	1.89	4.39	3.35	4.45	2.16	1.43	1.17	1.02	0.79	
13	0.46	0.49	1.71	1.87	4.39	3.57	4.30	2.12	1.42	1.17	1.01	0.78	
14	0.46	0.49	1.68	1.95	4.18	3.76	4.36	2.09	1.40	1.17	1.01	0.78	
15	0.44	0.52	1.49	1.98	3.81	3.96	4.42	2.04	1.39	1.17	1.01	0.76	
16	0.44	0.58	1.46	1.95	3.57	4.11	4.42	1.98	1.36	1.17	0.99	0.78	
17	0.44	0.64	1.40	1.86	3.35	4.18	4.42	1.95	1.36	1.16	0.99	0.76	
18	0.43	0.67	1.40	1.80	3.11	4.11	4.43	1.89	1.36	1.16	0.98	0.75	
19	0.43	0.67	1.49	1.77	3.02	3.99	4.42	1.86	1.34	1.16	0.98	0.75	
20	0.43	0.75	1.55	1.74	2.93	3.84	4.33	1.83	1.34	1.16	0.96	0.73	
21	0.43	0.82	1.55	1.71	3.29	3.87	4.15	1.78	1.33	1.16	0.96	0.73	
22	0.43	0.81	1.58	1.88	3.87	3.93	3.84	1.77	1.33	1.14	0.94	0.73	
23	0.41	0.79	1.62	1.65	4.27	4.08	3.60	1.74	1.33	1.14	0.94	0.73	
24	0.41	0.78	1.65	1.65	4.30	4.36	3.47	1.71	1.31	1.13	0.93	0.72	
25	0.41	0.79	1.62	1.65	4.21	4.63	3.26	1.68	1.30	1.13	0.93	0.72	
26	0.41	0.79	1.55	1.68	4.15	4.75	3.08	1.66	1.30	1.13	0.91	0.70	
27	0.41	0.76	1.46	1.62	4.08	4.89	2.93	1.63	1.28	1.13	0.91	0.70	
28	0.41	0.73	1.46	1.62	4.15	4.97	2.80	1.62	1.28	1.11	0.90	0.70	
29	0.41	0.73	1.52	1.65		5.00	2.70	1.58	1.26	1.11	0.90	0.69	
30	0.41	0.75	1.58	1.68		5.03	2.65	1.58	1.25	1.10	0.88	0.69	
31	0.41		1.62	1.68		5.06		1.55		1.10	0.88		
MEAN	0.44	0.60	1.30	1.75	3.45	4.10	4.35	2.01	1.39	1.17	0.99	0.77	1.85
MAX.	0.49	0.82	1.71	2.13	4.39	5.06	5.68	2.64	1.55	1.25	1.08	0.87	5.68
MIN.	0.41	0.43	0.76	1.52	1.74	2.93	2.65	1.55	1.25	1.10	0.88	0.69	0.41

QM ST.: 4-560 CHIFUMPA PONTOON		YEAR : 1961/62											[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	27.9	24.8	44.4	125.2	133.9	575.8	813.5	259.1	113.4	83.1	68.5	51.8	
2	27.9	25.5	44.4	120.1	144.8	583.2	839.9	251.7	111.8	83.1	68.5	51.8	
3	27.9	26.3	46.5	113.4	171.8	605.6	912.6	242.1	110.2	81.7	67.2	50.7	
4	27.9	26.3	46.5	110.2	184.0	620.8	969.0	228.0	108.6	81.7	67.2	50.7	
5	27.1	26.3	46.5	113.4	232.7	613.2	988.2	218.8	108.6	80.4	67.2	49.7	
6	27.1	26.3	45.4	123.5	266.6	546.7	969.0	209.8	107.0	80.4	65.9	49.7	
7	27.1	26.3	45.4	137.5	308.1	444.4	940.6	205.4	105.4	79.0	64.7	48.6	
8	27.1	29.5	52.9	163.8	388.1	370.2	894.1	201.0	105.4	79.0	64.7	48.6	
9	27.1	27.9	55.2	184.0	484.1	335.6	848.8	196.7	105.4	77.6	64.7	48.6	
10	26.3	27.1	64.7	167.8	553.9	308.1	778.8	194.6	103.9	77.6	64.7	47.5	
11	26.3	26.3	74.9	154.1	605.6	341.3	699.6	190.3	102.3	77.6	63.5	46.5	
12	26.3	26.3	91.7	152.2	620.8	388.1	636.2	188.2	100.8	76.3	63.5	46.5	
13	26.3	27.9	130.4	150.4	620.8	431.6	598.1	182.0	99.2	76.3	62.3	45.4	
14	26.3	27.9	126.9	159.9	568.5	474.0	613.2	177.8	97.7	76.3	62.3	45.4	
15	25.5	29.5	107.0	163.8	484.1	518.4	628.5	171.8	96.2	76.3	62.3	44.4	
16	25.5	33.0	103.9	159.9	431.6	553.9	628.5	163.8	93.2	76.3	61.1	44.4	
17	25.5	36.6	97.7	148.5	388.1	568.5	628.5	159.9	93.2	74.9	61.1	44.4	
18	24.8	38.5	97.7	141.1	341.3	553.9	632.3	152.2	93.2	74.9	59.9	43.4	
19	24.8	38.5	107.0	137.5	324.5	525.4	628.5	148.5	91.7	74.9	59.9	43.4	
20	24.8	43.4	113.4	133.9	308.1	490.9	605.6	144.8	91.7	74.9	58.7	42.4	
21	24.8	48.6	113.4	130.4	376.1	497.7	561.2	139.3	90.3	74.9	58.7	42.4	
22	24.8	47.5	116.7	126.9	497.7	511.5	490.9	137.5	90.3	73.6	57.5	42.4	
23	24.0	46.5	120.1	123.5	590.6	546.7	438.0	133.9	90.3	73.6	57.5	42.4	
24	24.0	45.4	123.5	123.5	598.1	613.2	412.7	130.4	88.8	72.3	56.4	41.4	
25	24.0	46.5	120.1	123.5	575.8	683.5	370.2	126.9	87.4	72.3	56.4	41.4	
26	24.0	46.5	113.4	126.9	561.2	715.9	335.6	125.2	87.4	72.3	55.2	40.4	
27	24.0	44.4	103.9	120.1	546.7	753.4	308.1	121.8	85.9	72.3	55.2	40.4	
28	24.0	42.4	103.9	120.1	561.2	774.6	287.0	120.1	85.9	71.0	54.1	40.4	
29	24.0	42.4	110.2	123.5		783.1	269.1	116.7	84.5	71.0	54.1	39.4	
30	24.0	43.4	116.7	126.9		791.7	261.6	116.7	83.1	69.7	52.9	39.4	
31	24.0		120.1	128.9		800.4		113.4		69.7	52.9		
MEAN	25.6	34.9	90.5	136.5	423.9	558.8	632.9	170.0	97.1	76.0	60.9	45.1	194.1
MAX.	27.9	48.6	130.4	184.0	620.8	800.4	988.2	259.1	113.4	83.1	68.5	51.8	988.2
MIN.	24.0	24.8	44.4	110.2	133.9	308.1	261.6	113.4	83.1	69.7	52.9	39.4	24.0

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 194.6 Q(185day): 96.2 Q(275day): 48.6 Q(355day): 24.8

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

HM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1962/63	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.67	0.49	1.13	2.71	3.57	4.33	3.20	1.71	1.28	1.16	1.01	0.82			
2	0.67	0.49	1.22	2.77	3.51	4.39	3.11	1.71	1.28	1.16	1.01	0.82			
3	0.64	0.49	1.34	2.99	3.44	4.54	3.05	1.68	1.28	1.16	1.01	0.79			
4	0.64	0.49	1.55	3.44	3.47	4.72	2.98	1.68	1.28	1.13	0.98	0.79			
5	0.64	0.46	1.77	3.78	3.60	4.88	2.83	1.65	1.25	1.13	0.98	0.79			
6	0.64	0.46	2.01	4.02	3.75	4.88	2.71	1.62	1.25	1.13	0.98	0.79			
7	0.61	0.46	2.13	4.24	4.05	4.91	2.62	1.62	1.25	1.13	0.98	0.78			
8	0.61	0.49	2.23	4.36	4.24	4.91	2.56	1.58	1.25	1.13	0.98	0.76			
9	0.61	0.49	2.35	4.48	4.27	4.91	2.47	1.58	1.25	1.13	0.94	0.76			
10	0.61	0.49	2.44	4.60	4.27	4.88	2.41	1.55	1.25	1.13	0.94	0.76			
11	0.58	0.49	2.50	4.75	4.24	4.82	2.32	1.52	1.25	1.13	0.94	0.76			
12	0.58	0.49	2.62	4.82	4.24	4.79	2.32	1.52	1.25	1.10	0.94	0.76			
13	0.58	0.55	2.83	4.51	4.27	4.66	2.26	1.49	1.25	1.10	0.94	0.73			
14	0.58	0.55	3.02	4.11	4.21	4.54	2.23	1.49	1.22	1.10	0.94	0.73			
15	0.58	0.58	3.14	4.30	4.11	4.66	2.10	1.49	1.22	1.10	0.91	0.73			
16	0.55	0.61	3.14	3.93	3.99	4.94	2.10	1.46	1.22	1.10	0.91	0.73			
17	0.55	0.64	3.11	3.72	3.87	4.97	2.10	1.43	1.22	1.10	0.91	0.73			
18	0.55	0.64	3.20	3.69	3.81	4.97	2.07	1.43	1.19	1.10	0.91	0.70			
19	0.58	0.67	3.32	3.78	3.87	4.72	2.01	1.40	1.19	1.07	0.88	0.70			
20	0.55	0.73	3.32	3.87	3.99	4.45	1.95	1.40	1.19	1.07	0.88	0.70			
21	0.52	0.73	3.23	4.02	4.11	4.27	1.92	1.40	1.19	1.07	0.88	0.70			
22	0.52	0.79	3.14	3.99	4.18	4.15	1.89	1.37	1.19	1.07	0.88	0.70			
23	0.52	0.88	3.17	3.87	4.24	4.08	1.89	1.37	1.19	1.07	0.85	0.70			
24	0.52	0.91	3.32	3.75	4.24	4.05	1.86	1.37	1.19	1.04	0.85	0.67			
25	0.52	0.98	3.29	3.75	4.21	3.96	1.86	1.34	1.19	1.04	0.85	0.67			
26	0.52	1.01	3.41	3.72	4.08	3.90	1.83	1.34	1.19	1.04	0.85	0.67			
27	0.52	0.98	3.47	3.72	4.02	3.78	1.80	1.34	1.19	1.04	0.85	0.67			
28	0.52	1.04	3.41	3.72	4.15	3.66	1.77	1.31	1.16	1.01	0.82	0.64			
29	0.52	1.04	3.17	3.57		3.54	1.74	1.31	1.16	1.01	0.82	0.64			
30	0.52	1.04	2.90	3.54		3.38	1.71	1.31	1.16	1.01	0.82	0.64			
31	0.49		2.71	3.57		3.29		1.31		1.01	0.82				
MEAN	0.57	0.67	2.70	3.87	4.00	4.42	2.25	1.48	1.22	1.09	0.91	0.73	1.98		
MAX.	0.67	1.04	3.47	4.82	4.27	4.97	3.20	1.71	1.28	1.16	1.01	0.82	4.97		
MIN.	0.49	0.46	1.13	2.71	3.44	3.29	1.71	1.31	1.16	1.01	0.82	0.64	0.46		

QM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1962/63	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	38.5	27.9	72.3	271.6	431.6	605.6	358.5	130.4	85.9	74.9	62.3	48.6			
2	38.5	27.9	80.4	281.8	418.9	620.8	341.3	130.4	85.9	74.9	62.3	48.6			
3	36.6	27.9	91.7	319.0	406.5	659.6	330.1	126.9	85.9	74.9	62.3	46.5			
4	36.6	27.9	113.4	406.5	412.7	707.8	313.5	126.9	85.9	72.3	59.9	46.5			
5	36.6	26.3	137.5	477.4	438.0	749.2	292.2	123.5	83.1	72.3	59.9	46.5			
6	36.6	26.3	167.8	532.5	470.7	749.2	271.6	120.1	83.1	72.3	59.9	46.5			
7	34.8	26.3	184.0	583.2	539.6	757.6	256.6	120.1	83.1	72.3	59.9	44.4			
8	34.8	27.9	196.7	613.2	583.2	757.6	246.9	116.7	83.1	72.3	59.9	44.4			
9	34.8	27.9	214.3	644.0	590.6	757.6	232.7	116.7	83.1	72.3	57.5	44.4			
10	34.8	27.9	228.0	675.5	590.6	749.2	223.4	113.4	83.1	72.3	57.5	44.4			
11	33.0	27.9	237.4	715.9	583.2	732.5	209.8	110.2	83.1	72.3	57.5	44.4			
12	33.0	27.9	256.6	732.5	583.2	724.2	209.8	110.2	83.1	69.7	57.5	44.4			
13	33.0	31.2	292.2	651.8	590.6	691.5	201.0	107.0	83.1	69.7	57.5	42.4			
14	33.0	31.2	324.5	553.9	575.8	659.6	196.7	107.0	80.4	69.7	57.5	42.4			
15	33.0	33.0	347.0	598.1	553.9	691.5	179.9	107.0	80.4	69.7	55.2	42.4			
16	31.2	34.8	347.0	511.5	525.4	766.0	179.9	103.9	80.4	69.7	55.2	42.4			
17	31.2	36.6	341.3	464.1	497.7	774.6	179.9	100.8	80.4	69.7	55.2	42.4			
18	31.2	36.6	358.5	457.5	484.1	774.6	175.8	100.8	77.6	69.7	55.2	40.4			
19	33.0	38.5	382.1	477.4	497.7	707.8	167.8	97.7	77.6	67.2	52.9	40.4			
20	31.2	42.4	382.1	497.7	525.4	636.2	159.9	97.7	77.6	67.2	52.9	40.4			
21	29.5	42.4	364.3	532.5	553.9	590.6	156.0	97.7	77.6	67.2	52.9	40.4			
22	29.5	46.5	347.0	525.4	568.5	561.2	152.2	94.7	77.6	67.2	52.9	40.4			
23	29.5	52.9	352.7	497.7	583.2	546.7	152.2	94.7	77.6	67.2	50.7	40.4			
24	29.5	55.2	382.1	470.7	583.2	539.6	148.5	94.7	77.6	64.7	50.7	38.5			
25	29.5	59.9	376.1	470.7	575.8	518.4	148.5	91.7	77.6	64.7	50.7	38.5			
26	29.5	62.3	400.3	464.1	546.7	504.6	144.8	91.7	77.6	64.7	50.7	38.5			
27	29.5	59.9	412.7	464.1	532.5	477.4	141.1	91.7	77.6	64.7	50.7	38.5			
28	29.5	64.7	400.3	464.1	561.2	450.9	137.5	88.8	74.9	62.3	48.6	36.6			
29	29.5	64.7	352.7	431.6		425.2	133.9	88.8	74.9	62.3	48.6	36.6			
30	29.5	64.7	302.8	425.2		394.2	130.4	88.8	74.9	62.3	48.6	36.6			
31	27.9		271.6	431.6		376.1		88.8		62.3	48.6				
MEAN	32.5	39.6	281.2	504.6	528.7	634.1	205.7	105.8	80.5	68.9	55.2	42.2	213.7		
MAX.	38.5	64.7	412.7	732.5	590.6	774.6	358.5	130.4	85.9	74.9	62.3	48.6	774.6		
MIN.	27.9	26.3	72.3	271.6	406.5	376.1	130.4	88.8	74.9	62.3	48.6	36.6	26.3		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 364.3 Q(185day): 83.1 Q(275day): 50.7 Q(355day): 27.9

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1963/64	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.64	0.61	1.01	1.25	1.65	2.65	1.58	0.91	0.76	0.70	0.61	0.52		
2	0.61	0.61	1.01	1.25	1.68	2.53	1.52	0.91	0.78	0.70	0.61	0.52		
3	0.61	0.61	1.01	1.25	1.71	2.38	1.52	0.88	0.76	0.70	0.61	0.49		
4	0.61	0.64	1.07	1.28	1.71	2.29	1.46	0.88	0.76	0.70	0.61	0.49		
5	0.61	0.64	1.16	1.34	1.71	2.19	1.43	0.88	0.76	0.70	0.61	0.49		
6	0.61	0.67	1.16	1.40	1.80	2.10	1.40	0.85	0.76	0.70	0.61	0.49		
7	0.61	0.67	1.16	1.49	1.98	2.04	1.34	0.88	0.76	0.70	0.61	0.49		
8	0.58	0.73	1.19	1.52	2.07	1.95	1.34	0.85	0.76	0.70	0.61	0.49		
9	0.58	0.73	1.19	1.55	2.53	1.89	1.31	0.85	0.76	0.67	0.61	0.49		
10	0.58	0.79	1.22	1.62	2.68	1.83	1.25	0.85	0.76	0.67	0.61	0.49		
11	0.58	0.79	1.25	1.68	2.68	1.83	1.22	0.85	0.73	0.67	0.58	0.49		
12	0.58	0.85	1.37	1.74	2.59	1.83	1.22	0.85	0.73	0.67	0.58	0.49		
13	0.58	0.88	1.52	1.89	2.68	1.83	1.19	0.85	0.73	0.67	0.58	0.49		
14	0.55	0.88	1.62	1.95	2.99	1.86	1.16	0.82	0.73	0.67	0.58	0.49		
15	0.55	0.88	1.65	1.95	3.26	1.92	1.13	0.82	0.73	0.67	0.58	0.49		
16	0.55	0.88	1.62	1.89	3.63	2.01	1.10	0.82	0.73	0.67	0.58	0.46		
17	0.55	0.85	1.58	1.80	3.99	1.98	1.07	0.82	0.73	0.67	0.58	0.46		
18	0.55	0.85	1.58	1.74	3.96	1.89	1.07	0.82	0.73	0.67	0.58	0.46		
19	0.55	0.85	1.62	1.65	3.63	1.83	1.04	0.82	0.73	0.67	0.58	0.46		
20	0.52	0.85	1.62	1.58	3.41	1.77	1.04	0.82	0.73	0.67	0.55	0.46		
21	0.52	0.85	1.62	1.52	3.44	1.74	1.01	0.79	0.73	0.67	0.55	0.46		
22	0.52	0.88	1.62	1.46	3.54	1.71	0.98	0.79	0.73	0.67	0.55	0.43		
23	0.52	0.91	1.62	1.43	3.66	1.71	0.98	0.79	0.73	0.67	0.55	0.43		
24	0.52	0.91	1.62	1.46	3.81	1.71	0.98	0.79	0.73	0.67	0.55	0.43		
25	0.52	0.94	1.58	1.52	3.69	1.71	0.94	0.79	0.70	0.67	0.55	0.43		
26	0.52	0.94	1.55	1.55	3.47	1.71	0.94	0.79	0.70	0.67	0.55	0.43		
27	0.55	0.94	1.49	1.55	3.26	1.71	0.94	0.76	0.70	0.64	0.52	0.43		
28	0.55	0.98	1.46	1.58	3.02	1.68	0.91	0.76	0.70	0.64	0.52	0.40		
29	0.58	0.98	1.31	1.62	2.80	1.65	0.91	0.76	0.70	0.64	0.52	0.40		
30	0.61	0.98	1.28	1.68		1.62	0.91	0.76	0.70	0.64	0.52	0.40		
31	0.58		1.28	1.65		1.62		0.76		0.64	0.52			
MEAN	0.57	0.82	1.39	1.58	2.86	1.91	1.16	0.83	0.74	0.67	0.57	0.46	1.12	
MAX.	0.64	0.98	1.65	1.95	3.99	2.65	1.58	0.91	0.76	0.70	0.61	0.52	3.99	
MIN.	0.52	0.61	1.01	1.25	1.65	1.62	0.91	0.76	0.70	0.64	0.52	0.40	0.40	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1963/64	[DISCHARGE (m3/s)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	36.6	34.8	62.3	83.1	123.5	261.6	116.7	55.2	44.4	40.4	34.8	29.5		
2	34.8	34.8	62.3	83.1	126.9	242.1	110.2	55.2	44.4	40.4	34.8	29.5		
3	34.8	34.8	62.3	83.1	130.4	218.8	110.2	52.9	44.4	40.4	34.8	27.9		
4	34.8	36.6	67.2	85.9	130.4	205.4	103.9	52.9	44.4	40.4	34.8	27.9		
5	34.8	36.6	74.9	91.7	130.4	192.4	100.8	52.9	44.4	40.4	34.8	27.9		
6	34.8	38.5	74.9	97.7	141.1	179.9	97.7	50.7	44.4	40.4	34.8	27.9		
7	34.8	38.5	74.9	107.0	163.8	171.8	91.7	52.9	44.4	40.4	34.8	27.9		
8	33.0	42.4	77.6	110.2	175.8	159.9	91.7	50.7	44.4	40.4	34.8	27.9		
9	33.0	42.4	77.6	113.4	242.1	152.2	88.8	50.7	44.4	38.5	34.8	27.9		
10	33.0	46.5	80.4	120.1	266.6	144.8	83.1	50.7	44.4	38.5	34.8	27.9		
11	33.0	46.5	83.1	126.9	266.6	144.8	80.4	50.7	42.4	38.5	33.0	27.9		
12	33.0	50.7	94.7	133.9	251.7	144.8	80.4	50.7	42.4	38.5	33.0	27.9		
13	33.0	52.9	110.2	152.2	266.6	144.8	77.6	50.7	42.4	38.5	33.0	27.9		
14	31.2	52.9	120.1	159.9	319.0	148.5	74.9	48.6	42.4	38.5	33.0	27.9		
15	31.2	52.9	123.5	159.9	370.2	156.0	72.3	48.6	42.4	38.5	33.0	27.9		
16	31.2	52.9	120.1	152.2	444.4	167.8	69.7	48.6	42.4	38.5	33.0	26.3		
17	31.2	50.7	116.7	141.1	525.4	163.8	67.2	48.6	42.4	38.5	33.0	26.3		
18	31.2	50.7	116.7	133.9	518.4	152.2	67.2	48.6	42.4	38.5	33.0	26.3		
19	31.2	50.7	120.1	123.5	444.4	144.8	64.7	48.6	42.4	38.5	33.0	26.3		
20	29.5	50.7	120.1	116.7	400.3	137.5	64.7	48.6	42.4	38.5	31.2	26.3		
21	29.5	50.7	120.1	110.2	406.5	133.9	62.3	46.5	42.4	38.5	31.2	26.3		
22	29.5	52.9	120.1	103.9	425.2	130.4	59.9	46.5	42.4	38.5	31.2	24.8		
23	29.5	55.2	120.1	100.8	450.9	130.4	59.9	46.5	42.4	38.5	31.2	24.8		
24	29.5	55.2	120.1	103.9	484.1	130.4	59.9	46.5	42.4	38.5	31.2	24.8		
25	29.5	57.5	116.7	110.2	457.5	130.4	57.5	46.5	40.4	38.5	31.2	24.8		
26	29.5	57.5	113.4	113.4	412.7	130.4	57.5	46.5	40.4	38.5	31.2	24.8		
27	31.2	57.5	107.0	113.4	370.2	130.4	57.5	44.4	40.4	36.6	29.5	24.8		
28	31.2	59.9	103.9	116.7	324.5	126.9	55.2	44.4	40.4	36.6	29.5	23.3		
29	33.0	59.9	88.8	120.1	287.0	123.5	55.2	44.4	40.4	36.6	29.5	23.3		
30	34.8	59.9	85.9	126.9		120.1	55.2	44.4	40.4	36.6	29.5	23.3		
31	33.0		85.9	123.5		120.1		44.4		36.6	29.5			
MEAN	32.3	48.8	97.5	116.7	312.3	156.1	76.5	49.0	42.7	38.7	32.6	26.6	85.0	
MAX.	36.6	59.9	123.5	159.9	525.4	261.6	116.7	55.2	44.4	40.4	34.8	29.5	525.4	
MIN.	29.5	34.8	62.3	83.1	123.5	120.1	55.2	44.4	40.4	36.6	29.5	23.3	23.3	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 110.2 Q(185day): 48.6 Q(275day): 34.8 Q(355day): 26.3

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

HM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1964/65	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.40	0.34	0.64	1.04	1.58	1.80	1.10	0.70	0.58	0.52	0.52	0.43			
2	0.40	0.34	0.64	1.13	1.58	1.77	1.07	0.70	0.58	0.52	0.52	0.43			
3	0.40	0.34	0.61	1.13	1.62	1.71	1.07	0.70	0.58	0.52	0.52	0.43			
4	0.40	0.34	0.61	1.16	1.71	1.65	1.07	0.67	0.58	0.52	0.52	0.43			
5	0.40	0.37	0.58	1.22	1.86	1.62	1.10	0.67	0.58	0.52	0.52	0.40			
6	0.40	0.37	0.55	1.16	2.19	1.62	1.10	0.67	0.58	0.52	0.49	0.40			
7	0.37	0.40	0.52	1.16	2.47	1.62	1.10	0.67	0.58	0.52	0.49	0.40			
8	0.37	0.37	0.55	1.13	2.71	1.68	1.10	0.64	0.58	0.52	0.49	0.40			
9	0.37	0.37	0.58	1.13	2.80	1.74	1.10	0.64	0.58	0.52	0.49	0.40			
10	0.37	0.37	0.67	1.10	2.80	1.80	1.10	0.64	0.58	0.52	0.49	0.40			
11	0.37	0.37	0.67	1.16	2.68	1.74	1.10	0.64	0.58	0.52	0.49	0.40			
12	0.37	0.40	0.67	1.19	2.59	1.62	1.10	0.64	0.58	0.52	0.49	0.40			
13	0.37	0.40	0.67	1.22	2.53	1.62	1.07	0.64	0.58	0.52	0.49	0.40			
14	0.37	0.43	0.67	1.28	2.62	1.65	1.04	0.64	0.58	0.52	0.46	0.40			
15	0.37	0.43	0.61	1.31	2.77	1.65	0.98	0.64	0.58	0.52	0.46	0.40			
16	0.34	0.43	0.61	1.37	2.77	1.58	0.94	0.61	0.58	0.52	0.46	0.40			
17	0.34	0.40	0.61	1.43	2.68	1.55	0.91	0.61	0.58	0.52	0.46	0.40			
18	0.34	0.40	0.61	1.52	2.59	1.52	0.88	0.61	0.58	0.52	0.46	0.37			
19	0.34	0.40	0.61	1.65	2.50	1.52	0.88	0.61	0.58	0.52	0.46	0.37			
20	0.34	0.43	0.58	1.74	2.35	1.52	0.85	0.61	0.55	0.52	0.46	0.37			
21	0.34	0.43	0.58	1.77	2.29	1.52	0.82	0.61	0.55	0.52	0.46	0.37			
22	0.34	0.40	0.58	1.77	2.26	1.49	0.82	0.61	0.55	0.52	0.46	0.37			
23	0.34	0.40	0.61	1.77	2.26	1.49	0.79	0.61	0.55	0.52	0.46	0.37			
24	0.34	0.40	0.67	1.71	2.23	1.46	0.79	0.61	0.55	0.52	0.46	0.34			
25	0.34	0.43	0.70	1.65	2.16	1.40	0.76	0.61	0.55	0.52	0.46	0.34			
26	0.34	0.43	0.82	1.62	2.01	1.34	0.76	0.61	0.55	0.52	0.43	0.34			
27	0.34	0.46	0.82	1.62	1.86	1.31	0.73	0.61	0.55	0.52	0.43	0.34			
28	0.34	0.49	0.82	1.55	1.80	1.25	0.73	0.61	0.55	0.52	0.43	0.34			
29	0.34	0.52	0.85	1.49		1.19	0.70	0.61	0.55	0.52	0.43	0.34			
30	0.34	0.61	0.88	1.52		1.16	0.70	0.61	0.55	0.52	0.43	0.34			
31	0.34		0.94	1.58		1.13		0.61		0.52	0.43				
MEAN	0.36	0.41	0.66	1.40	2.30	1.54	0.94	0.63	0.57	0.52	0.47	0.38	0.84		
MAX.	0.40	0.61	0.94	1.77	2.80	1.80	1.10	0.70	0.58	0.52	0.52	0.43	2.80		
MIN.	0.34	0.34	0.52	1.04	1.58	1.13	0.70	0.61	0.55	0.52	0.43	0.34	0.34		

QM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1964/65	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	23.3	20.4	36.6	64.7	116.7	141.1	69.7	40.4	33.0	29.5	29.5	24.8			
2	23.3	20.4	36.6	72.3	116.7	137.5	67.2	40.4	33.0	29.5	29.5	24.8			
3	23.3	20.4	34.8	72.3	120.1	130.4	67.2	40.4	33.0	29.5	29.5	24.8			
4	23.3	20.4	34.8	74.9	130.4	123.5	67.2	38.5	33.0	29.5	29.5	24.8			
5	23.3	21.8	33.0	80.4	148.5	120.1	69.7	38.5	33.0	29.5	29.5	23.3			
6	23.3	21.8	31.2	74.9	192.4	120.1	69.7	38.5	33.0	29.5	27.9	23.3			
7	21.8	23.3	29.5	74.9	232.7	120.1	69.7	38.5	33.0	29.5	27.9	23.3			
8	21.8	21.8	31.2	72.3	271.6	126.9	69.7	36.6	33.0	29.5	27.9	23.3			
9	21.8	21.8	33.0	72.3	287.0	133.9	69.7	36.6	33.0	29.5	27.9	23.3			
10	21.8	21.8	38.5	69.7	287.0	141.1	69.7	36.6	33.0	29.5	27.9	23.3			
11	21.8	21.8	38.5	74.9	266.6	133.9	69.7	36.6	33.0	29.5	27.9	23.3			
12	21.8	23.3	38.5	77.6	251.7	120.1	69.7	36.6	33.0	29.5	27.9	23.3			
13	21.8	23.3	38.5	80.4	242.1	120.1	67.2	36.6	33.0	29.5	27.9	23.3			
14	21.8	24.8	38.5	85.9	256.6	123.5	64.7	36.6	33.0	29.5	26.3	23.3			
15	21.8	24.8	34.8	88.8	281.8	123.5	59.9	36.6	33.0	29.5	26.3	23.3			
16	20.4	24.8	34.8	94.7	281.8	116.7	57.5	34.8	33.0	29.5	26.3	23.3			
17	20.4	23.3	34.8	100.8	266.6	113.4	55.2	34.8	33.0	29.5	26.3	23.3			
18	20.4	23.3	34.8	110.2	251.7	110.2	52.9	34.8	33.0	29.5	26.3	21.8			
19	20.4	23.3	34.8	123.5	237.4	110.2	52.9	34.8	33.0	29.5	26.3	21.8			
20	20.4	24.8	33.0	133.9	214.3	110.2	50.7	34.8	31.2	29.5	26.3	21.8			
21	20.4	24.8	33.0	137.5	205.4	110.2	48.6	34.8	31.2	29.5	26.3	21.8			
22	20.4	23.3	33.0	137.5	201.0	107.0	48.6	34.8	31.2	29.5	26.3	21.8			
23	20.4	23.3	34.8	137.5	201.0	107.0	46.5	34.8	31.2	29.5	26.3	21.8			
24	20.4	23.3	38.5	130.4	196.7	103.9	46.5	34.8	31.2	29.5	26.3	20.4			
25	20.4	24.8	40.4	123.5	188.2	97.7	44.4	34.8	31.2	29.5	26.3	20.4			
26	20.4	24.8	48.6	120.1	167.8	91.7	44.4	34.8	31.2	29.5	24.8	20.4			
27	20.4	26.3	48.6	120.1	148.5	88.8	42.4	34.8	31.2	29.5	24.8	20.4			
28	20.4	27.9	48.6	113.4	141.1	83.1	42.4	34.8	31.2	29.5	24.8	20.4			
29	20.4	29.5	50.7	107.0		77.6	40.4	34.8	31.2	29.5	24.8	20.4			
30	20.4	34.8	52.9	110.2		74.9	40.4	34.8	31.2	29.5	24.8	20.4			
31	20.4		57.5	116.7		72.3		34.8		29.5	24.8				
MEAN	21.4	23.8	38.3	98.5	210.8	112.6	57.8	36.3	32.3	29.5	26.9	22.5	58.3		
MAX.	23.3	34.8	57.5	137.5	287.0	141.1	69.7	40.4	33.0	29.5	29.5	24.8	287.0		
MIN.	20.4	20.4	29.5	64.7	116.7	72.3	40.4	34.8	31.2	29.5	24.8	20.4	20.4		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 69.7 Q(185day): 33.0 Q(275day): 24.8 Q(355day): 20.4

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1965/86	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.34	0.30	0.40	0.55	0.94	1.49	1.83	0.79	0.58	0.55	0.49	0.43		
2	0.34	0.30	0.40	0.55	0.98	1.49	1.80	0.79	0.58	0.55	0.49	0.43		
3	0.34	0.27	0.43	0.55	1.04	1.49	1.80	0.76	0.58	0.55	0.49	0.43		
4	0.34	0.27	0.43	0.55	1.10	1.46	1.80	0.76	0.58	0.55	0.49	0.43		
5	0.34	0.27	0.43	0.58	1.19	1.46	1.77	0.76	0.58	0.55	0.49	0.43		
6	0.34	0.27	0.43	0.61	1.22	1.46	1.77	0.73	0.58	0.55	0.49	0.43		
7	0.34	0.27	0.46	0.61	1.28	1.49	1.52	0.73	0.58	0.55	0.49	0.43		
8	0.34	0.30	0.46	0.64	1.34	1.49	1.49	0.73	0.58	0.52	0.49	0.43		
9	0.34	0.30	0.55	0.67	1.31	1.49	1.49	0.70	0.58	0.52	0.49	0.43		
10	0.34	0.30	0.67	0.73	1.34	1.49	1.46	0.70	0.58	0.52	0.49	0.40		
11	0.34	0.30	0.94	0.73	1.37	1.52	1.46	0.70	0.58	0.52	0.49	0.40		
12	0.34	0.30	1.13	0.73	1.37	1.52	1.46	0.70	0.58	0.52	0.49	0.40		
13	0.34	0.34	1.10	0.76	1.37	1.55	1.43	0.67	0.58	0.52	0.49	0.40		
14	0.34	0.34	1.04	0.73	1.37	1.55	1.43	0.67	0.58	0.52	0.49	0.40		
15	0.34	0.40	0.98	0.73	1.37	1.55	1.40	0.67	0.58	0.52	0.49	0.40		
16	0.34	0.40	0.91	0.79	1.40	1.55	1.31	0.67	0.58	0.52	0.46	0.40		
17	0.34	0.43	0.88	0.82	1.40	1.55	1.22	0.67	0.58	0.52	0.46	0.40		
18	0.34	0.43	0.88	0.79	1.40	1.55	1.19	0.67	0.58	0.52	0.46	0.40		
19	0.34	0.49	0.88	0.76	1.43	1.58	1.19	0.67	0.58	0.52	0.46	0.37		
20	0.34	0.49	0.85	0.73	1.46	1.68	1.19	0.67	0.58	0.52	0.46	0.37		
21	0.34	0.46	0.85	0.73	1.46	1.68	1.16	0.67	0.55	0.52	0.46	0.37		
22	0.30	0.46	0.82	0.76	1.46	2.19	1.13	0.67	0.55	0.52	0.46	0.37		
23	0.30	0.46	0.82	0.79	1.46	2.13	1.13	0.64	0.55	0.52	0.46	0.37		
24	0.30	0.46	0.79	0.79	1.46	2.13	1.10	0.64	0.55	0.52	0.46	0.37		
25	0.30	0.46	0.76	0.79	1.46	2.10	1.07	0.64	0.55	0.52	0.46	0.37		
26	0.30	0.43	0.73	0.79	1.49	2.10	1.04	0.64	0.55	0.52	0.46	0.37		
27	0.34	0.43	0.67	0.79	1.49	2.10	1.01	0.61	0.55	0.52	0.46	0.37		
28	0.34	0.40	0.64	0.82	1.49	2.07	0.98	0.61	0.55	0.52	0.46	0.37		
29	0.34	0.40	0.61	0.85		2.07	0.85	0.61	0.55	0.49	0.46	0.37		
30	0.34	0.40	0.58	0.88		2.04	0.82	0.61	0.55	0.49	0.43	0.34		
31	0.30		0.58	0.91		2.04		0.61		0.49	0.43			
MEAN	0.33	0.37	0.71	0.73	1.34	1.71	1.34	0.68	0.57	0.52	0.47	0.39	0.76	
MAX.	0.34	0.49	1.13	0.91	1.49	2.19	1.83	0.79	0.58	0.55	0.49	0.43	2.19	
MIN.	0.30	0.27	0.40	0.55	0.94	1.46	0.82	0.61	0.55	0.49	0.43	0.34	0.27	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1965/86	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	20.4	19.0	23.3	31.2	57.5	107.0	144.8	46.5	33.0	31.2	27.9	24.8		
2	20.4	19.0	23.3	31.2	59.9	107.0	141.1	46.5	33.0	31.2	27.9	24.8		
3	20.4	17.7	24.8	31.2	64.7	107.0	141.1	44.4	33.0	31.2	27.9	24.8		
4	20.4	17.7	24.8	31.2	69.7	103.9	141.1	44.4	33.0	31.2	27.9	24.8		
5	20.4	17.7	24.8	33.0	77.6	103.9	137.5	44.4	33.0	31.2	27.9	24.8		
6	20.4	17.7	24.8	34.8	80.4	103.9	137.5	42.4	33.0	31.2	27.9	24.8		
7	20.4	17.7	26.3	34.8	85.9	107.0	110.2	42.4	33.0	31.2	27.9	24.8		
8	20.4	19.0	26.3	36.6	91.7	107.0	107.0	42.4	33.0	29.5	27.9	24.8		
9	20.4	19.0	31.2	38.5	88.8	107.0	107.0	40.4	33.0	29.5	27.9	24.8		
10	20.4	19.0	38.5	42.4	91.7	107.0	103.9	40.4	33.0	29.5	27.9	23.3		
11	20.4	19.0	57.5	42.4	94.7	110.2	103.9	40.4	33.0	29.5	27.9	23.3		
12	20.4	19.0	72.3	42.4	94.7	110.2	103.9	40.4	33.0	29.5	27.9	23.3		
13	20.4	20.4	69.7	44.4	94.7	113.4	100.8	38.5	33.0	29.5	27.9	23.3		
14	20.4	20.4	64.7	42.4	94.7	113.4	100.8	38.5	33.0	29.5	27.9	23.3		
15	20.4	23.3	59.9	42.4	94.7	113.4	97.7	38.5	33.0	29.5	27.9	23.3		
16	20.4	23.3	55.2	46.5	97.7	113.4	88.8	38.5	33.0	29.5	26.3	23.3		
17	20.4	24.8	52.9	48.6	97.7	113.4	80.4	38.5	33.0	29.5	26.3	23.3		
18	20.4	24.8	52.9	46.5	97.7	113.4	77.6	38.5	33.0	29.5	26.3	23.3		
19	20.4	27.9	52.9	44.4	100.8	116.7	77.6	38.5	33.0	29.5	26.3	21.8		
20	20.4	27.9	50.7	42.4	103.9	126.9	77.6	38.5	33.0	29.5	26.3	21.8		
21	20.4	26.3	50.7	42.4	103.9	126.9	74.9	38.5	31.2	29.5	26.3	21.8		
22	19.0	26.3	48.6	44.4	103.9	192.4	72.3	38.5	31.2	29.5	26.3	21.8		
23	19.0	26.3	48.6	46.5	103.9	184.0	72.3	36.6	31.2	29.5	26.3	21.8		
24	19.0	26.3	46.5	46.5	103.9	184.0	69.7	36.6	31.2	29.5	26.3	21.8		
25	19.0	26.3	44.4	46.5	103.9	179.9	67.2	36.6	31.2	29.5	26.3	21.8		
26	19.0	24.8	42.4	46.5	107.0	179.9	64.7	36.6	31.2	29.5	26.3	21.8		
27	20.4	24.8	38.5	46.5	107.0	179.9	62.3	34.8	31.2	29.5	26.3	21.8		
28	20.4	23.3	36.6	48.6	107.0	175.8	59.9	34.8	31.2	29.5	26.3	21.8		
29	20.4	23.3	34.8	50.7		175.8	50.7	34.8	31.2	27.9	26.3	21.8		
30	20.4	23.3	33.0	52.9		171.8	48.6	34.8	31.2	27.9	24.8	20.4		
31	19.0		33.0	55.2		171.8		34.8		27.9	24.8			
MEAN	20.1	22.2	42.4	42.4	92.1	133.1	94.1	39.3	32.4	29.8	27.0	23.1	49.6	
MAX.	20.4	27.9	72.3	55.2	107.0	192.4	144.8	46.5	33.0	31.2	27.9	24.8	192.4	
MIN.	19.0	17.7	23.3	31.2	57.5	103.9	48.6	34.8	31.2	27.9	24.8	20.4	17.7	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 52.9 Q(185day): 33.0 Q(275day): 24.8 Q(355day): 19.0

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1966/67	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.34	0.28	0.34	0.45	0.82	2.54	2.69	1.07	0.73	0.62	0.57	0.50		
2	0.34	0.28	0.33	0.46	0.84	2.63	2.60	1.06	0.73	0.62	0.57	0.50		
3	0.34	0.27	0.31	0.49	0.89	2.35	2.44	1.09	0.72	0.61	0.57	0.50		
4	0.34	0.27	0.30	0.48	0.90	2.16	2.34	1.08	0.71	0.61	0.57	0.49		
5	0.34	0.27	0.30	0.48	0.91	2.05	2.27	1.07	0.70	0.61	0.57	0.49		
6	0.34	0.28	0.30	0.52	0.97	1.98	2.21	1.08	0.70	0.61	0.57	0.49		
7	0.34	0.28	0.30	0.50	0.97	1.92	2.17	1.05	0.70	0.61	0.57	0.48		
8	0.33	0.28	0.29	0.48	0.97	1.88	2.12	1.03	0.70	0.61	0.56	0.48		
9	0.32	0.30	0.36	0.46	0.98	1.84	2.08	1.01	0.69	0.61	0.56	0.48		
10	0.31	0.30	0.35	0.46	1.04	1.78	2.01	1.01	0.69	0.61	0.55	0.47		
11	0.31	0.29	0.29	0.54	1.10	1.73	1.97	1.00	0.68	0.60	0.55	0.46		
12	0.31	0.29	0.35	0.60	1.15	1.68	1.92	0.97	0.67	0.60	0.55	0.46		
13	0.30	0.30	0.33	0.63	1.21	1.64	1.87	0.95	0.67	0.60	0.55	0.46		
14	0.31	0.30	0.35	0.58	1.33	1.61	1.84	0.93	0.67	0.59	0.55	0.45		
15	0.31	0.30	0.37	0.56	1.33	1.59	1.80	0.91	0.67	0.59	0.55	0.45		
16	0.31	0.30	0.39	0.57	1.37	1.58	1.76	0.89	0.66	0.59	0.55	0.44		
17	0.30	0.30	0.47	0.60	1.52	1.63	1.71	0.87	0.66	0.59	0.54	0.44		
18	0.30	0.30	0.42	0.63	1.55	1.67	1.63	0.85	0.66	0.59	0.54	0.44		
19	0.30	0.31	0.44	0.64	1.49	1.76	1.53	0.84	0.65	0.59	0.54	0.44		
20	0.30	0.32	0.43	0.64	1.42	1.90	1.49	0.82	0.65	0.59	0.54	0.43		
21	0.30	0.34	0.42	0.65	1.44	2.01	1.41	0.81	0.64	0.58	0.53	0.43		
22	0.30	0.34	0.45	0.65	1.66	2.04	1.28	0.80	0.64	0.56	0.53	0.42		
23	0.30	0.34	0.47	0.65	1.80	1.99	1.21	0.79	0.64	0.58	0.52	0.42		
24	0.30	0.34	0.46	0.65	1.85	1.94	1.16	0.77	0.64	0.58	0.52	0.42		
25	0.30	0.34	0.46	0.65	2.05	1.87	1.12	0.77	0.64	0.58	0.52	0.41		
26	0.29	0.34	0.46	0.67	2.16	1.84	1.10	0.76	0.64	0.58	0.52	0.41		
27	0.28	0.34	0.46	0.70	2.23	1.88	1.08	0.76	0.63	0.58	0.52	0.41		
28	0.28	0.34	0.48	0.69	2.23	1.94	1.07	0.74	0.63	0.57	0.51	0.40		
29	0.28	0.36	0.48	0.76		2.00	1.06	0.74	0.62	0.57	0.51	0.40		
30	0.28	0.35	0.46	0.80		2.21	1.08	0.73	0.62	0.57	0.51	0.39		
31	0.28		0.46	0.82		2.58		0.73		0.57	0.50			
MEAN	0.31	0.31	0.39	0.60	1.36	1.94	1.73	0.90	0.67	0.59	0.54	0.45	0.81	
MAX.	0.34	0.36	0.48	0.82	2.23	2.63	2.69	1.09	0.73	0.62	0.57	0.50	2.69	
MIN.	0.28	0.27	0.29	0.45	0.82	1.58	1.06	0.73	0.62	0.57	0.50	0.39	0.27	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1966/67	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	20.7	17.8	20.5	26.0	48.6	243.1	268.6	67.7	42.2	35.3	32.6	28.6		
2	20.5	17.8	20.0	26.3	49.9	257.6	253.7	66.9	42.0	35.1	32.6	28.6		
3	20.4	17.7	19.2	28.1	53.4	214.3	228.5	69.5	41.4	34.9	32.6	28.4		
4	20.4	17.7	18.9	27.6	53.8	188.2	213.0	68.5	41.0	34.9	32.5	26.2		
5	20.4	17.6	18.8	27.6	54.5	173.4	203.2	67.2	40.6	34.8	32.5	28.1		
6	20.4	18.1	19.0	29.4	59.1	163.0	194.6	66.7	40.4	34.8	32.3	27.9		
7	20.4	18.0	18.8	28.7	59.6	156.4	189.5	65.7	40.4	34.8	32.3	27.7		
8	20.1	17.8	18.4	27.7	59.6	150.7	182.8	64.2	40.2	34.8	31.9	27.4		
9	19.7	18.6	21.7	26.5	59.9	146.2	176.6	63.0	39.8	34.6	31.8	27.3		
10	19.3	18.9	21.2	26.5	64.7	139.3	168.2	62.3	39.4	34.6	31.6	26.9		
11	19.2	18.4	18.5	30.6	69.7	133.5	162.2	61.5	39.0	34.4	31.6	26.6		
12	19.2	18.5	21.2	34.4	74.2	126.9	156.4	59.4	38.7	34.2	31.4	26.3		
13	19.0	18.8	20.1	35.9	79.3	123.1	150.4	57.7	38.7	34.0	31.2	26.3		
14	19.2	18.8	21.1	33.2	90.3	119.7	145.9	56.1	38.5	33.9	31.2	26.0		
15	19.2	19.0	22.2	32.1	90.3	117.1	141.1	54.7	38.3	33.9	31.2	25.7		
16	19.2	18.9	23.0	32.6	94.7	116.7	136.4	53.2	38.1	33.7	31.1	25.5		
17	19.0	18.8	26.9	34.2	109.9	121.8	131.1	51.8	37.9	33.5	30.9	25.4		
18	19.0	19.0	24.6	36.0	113.1	126.5	121.4	50.5	37.5	33.5	30.7	25.2		
19	19.0	19.2	25.2	36.4	106.7	136.4	110.8	49.7	37.2	33.3	30.6	25.2		
20	19.0	19.6	25.1	36.8	99.5	153.0	107.0	48.6	37.0	33.3	30.6	25.1		
21	19.0	20.4	24.3	37.0	101.7	168.2	98.0	47.7	36.8	33.2	30.4	24.8		
22	19.0	20.4	25.7	37.0	124.8	170.9	86.2	46.7	36.8	33.0	30.2	24.6		
23	18.9	20.4	26.8	37.0	140.7	165.4	79.3	46.5	36.8	33.0	29.9	24.5		
24	18.9	20.4	26.5	37.0	147.0	158.4	74.7	44.6	36.6	32.8	29.5	24.3		
25	18.6	20.4	26.6	37.3	172.2	150.4	72.1	44.8	36.6	32.8	29.5	24.2		
26	18.2	20.5	26.3	38.7	187.4	145.9	70.0	44.4	36.4	32.8	29.4	23.9		
27	18.0	20.5	26.6	40.4	196.7	150.7	68.5	44.0	36.0	32.8	29.4	23.7		
28	17.8	20.8	27.7	39.8	198.0	158.0	67.2	43.0	35.9	32.6	29.1	23.6		
29	17.8	21.7	27.6	44.0		165.8	66.4	42.8	35.5	32.6	29.1	23.3		
30	17.8	21.1	26.6	46.7		194.1	67.9	42.6	35.3	32.6	28.9	23.1		
31	17.8		26.3	48.4		250.3		42.4		32.6	28.7			
MEAN	19.2	19.2	23.1	34.2	98.5	160.8	139.7	54.7	38.4	33.8	30.9	25.9	56.2	
MAX.	20.7	21.7	27.7	48.4	198.0	257.6	268.6	69.5	42.2	35.3	32.6	28.6	268.6	
MIN.	17.8	17.6	18.4	26.0	48.6	116.7	66.4	42.4	35.3	32.6	28.7	23.1	17.6	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 59.4 Q(185day): 33.5 Q(275day): 25.1 Q(355day): 18.0

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

HM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1967/68	[WATER LEVEL (m)]
L	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.39	0.41	0.63	0.82	1.64	1.37	1.43	1.01	0.68	0.67	0.65	0.53			
2	0.39	0.44	0.64	0.84	1.61	1.37	1.35	0.99	0.68	0.67	0.64	0.52			
3	0.38	0.47	0.63	0.88	1.59	1.36	1.28	0.96	0.67	0.68	0.64	0.52			
4	0.38	0.48	0.65	0.91	1.57	1.34	1.21	0.94	0.67	0.68	0.64	0.52			
5	0.38	0.47	0.69	0.94	1.54	1.37	1.16	0.92	0.67	0.68	0.64	0.52			
6	0.37	0.50	0.71	0.94	1.52	1.39	1.12	0.90	0.67	0.68	0.63	0.52			
7	0.37	0.52	0.71	0.94	1.51	1.42	1.09	0.88	0.67	0.68	0.62	0.52			
8	0.37	0.56	0.72	0.95	1.48	1.40	1.05	0.87	0.67	0.68	0.62	0.51			
9	0.37	0.55	0.76	0.96	1.50	1.36	1.03	0.84	0.66	0.68	0.62	0.51			
10	0.37	0.54	0.80	0.95	1.49	1.37	1.00	0.83	0.66	0.68	0.62	0.50			
11	0.37	0.51	0.85	0.98	1.48	1.42	0.98	0.81	0.66	0.67	0.61	0.50			
12	0.36	0.49	0.87	1.04	1.46	1.60	0.96	0.80	0.66	0.67	0.61	0.50			
13	0.36	0.47	0.89	1.03	1.48	1.83	0.94	0.79	0.66	0.67	0.60	0.49			
14	0.35	0.46	0.88	1.03	1.51	2.04	0.93	0.77	0.65	0.67	0.60	0.48			
15	0.35	0.45	0.86	1.12	1.55	2.30	0.91	0.77	0.65	0.67	0.60	0.48			
16	0.36	0.46	0.84	1.20	1.57	2.33	0.90	0.76	0.65	0.67	0.59	0.47			
17	0.35	0.45	0.83	1.35	1.60	2.30	0.89	0.75	0.64	0.66	0.59	0.47			
18	0.34	0.45	0.80	1.53	1.59	2.15	0.89	0.74	0.64	0.66	0.58	0.47			
19	0.34	0.48	0.77	1.58	1.57	2.11	0.89	0.74	0.64	0.66	0.58	0.47			
20	0.34	0.48	0.76	1.56	1.55	2.05	0.90	0.73	0.64	0.66	0.57	0.47			
21	0.34	0.47	0.77	1.62	1.55	1.99	0.91	0.72	0.64	0.66	0.57	0.49			
22	0.33	0.45	0.75	1.66	1.54	1.86	0.93	0.72	0.64	0.66	0.57	0.48			
23	0.33	0.46	0.76	1.64	1.49	1.81	0.98	0.71	0.65	0.66	0.56	0.45			
24	0.33	0.47	0.78	1.62	1.46	1.77	1.03	0.70	0.65	0.66	0.56	0.45			
25	0.32	0.46	0.79	1.68	1.43	1.76	1.06	0.70	0.66	0.66	0.56	0.45			
26	0.33	0.48	0.79	1.72	1.42	1.74	1.06	0.70	0.66	0.66	0.55	0.45			
27	0.33	0.49	0.77	1.72	1.40	1.72	1.05	0.70	0.67	0.65	0.55	0.44			
28	0.35	0.52	0.77	1.68	1.38	1.69	1.05	0.69	0.67	0.66	0.55	0.44			
29	0.35	0.55	0.80	1.65	1.37	1.64	1.04	0.69	0.67	0.65	0.54	0.44			
30	0.37	0.58	0.77	1.62		1.57	1.02	0.69	0.67	0.65	0.54	0.43			
31	0.38		0.80	1.62		1.51		0.68		0.65	0.54				
MEAN	0.36	0.49	0.77	1.28	1.51	1.71	1.03	0.79	0.66	0.67	0.59	0.48	0.86		
MAX.	0.39	0.58	0.89	1.72	1.64	2.33	1.43	1.01	0.68	0.68	0.65	0.53	2.33		
MIN.	0.32	0.41	0.63	0.82	1.37	1.34	0.89	0.68	0.64	0.65	0.54	0.43	0.32		

QM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1967/68	[DISCHARGE (m3/s)]
L	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	23.1	24.0	35.9	48.2	122.8	94.1	100.1	62.3	39.0	38.5	37.0	30.4			
2	23.0	25.4	36.6	50.1	119.4	95.0	92.9	60.8	38.9	38.7	36.8	29.9			
3	22.7	26.9	35.9	52.7	117.4	93.2	85.7	58.4	38.7	38.9	36.6	29.9			
4	22.5	27.7	37.2	55.0	115.4	92.0	79.8	57.5	38.5	38.9	36.6	29.5			
5	22.4	27.1	39.8	57.0	112.1	94.4	74.7	55.9	38.5	38.9	36.4	29.5			
6	22.2	28.4	40.8	57.0	110.2	96.8	71.5	54.3	38.5	39.0	36.0	29.5			
7	22.1	29.7	41.0	57.3	108.3	99.8	68.7	52.9	38.3	39.2	35.7	29.4			
8	21.9	31.8	41.4	58.0	105.7	97.1	65.4	51.6	38.3	39.0	35.3	29.2			
9	21.9	31.6	44.2	58.4	107.6	93.5	64.0	50.1	38.1	38.9	35.3	29.2			
10	21.8	30.7	46.7	57.7	106.7	94.1	62.0	49.0	37.9	38.9	35.1	28.7			
11	21.8	29.2	50.5	60.6	105.1	99.8	60.3	47.9	37.9	38.7	34.8	28.6			
12	21.5	28.1	52.1	64.9	103.9	118.4	58.9	46.9	37.7	38.7	34.6	28.4			
13	21.4	27.1	53.4	64.2	105.7	144.4	57.3	46.0	37.5	38.5	34.4	28.2			
14	21.1	26.3	52.7	64.2	108.3	171.4	56.6	45.2	37.3	38.5	34.2	27.7			
15	21.2	26.0	51.2	71.8	112.5	207.6	55.0	44.8	37.3	38.5	34.0	27.6			
16	21.4	25.8	49.9	79.0	114.8	211.6	53.8	44.0	37.0	38.3	33.7	27.1			
17	21.1	25.7	49.2	92.3	118.4	208.1	53.2	43.4	36.8	38.1	33.3	27.1			
18	20.8	26.2	46.7	110.5	117.4	186.5	53.2	43.2	36.6	38.1	33.0	26.9			
19	20.7	27.4	44.8	116.4	114.8	180.7	53.2	42.8	36.8	37.9	32.8	26.9			
20	20.5	27.4	44.2	114.4	112.5	172.6	54.1	42.2	36.6	37.7	32.6	26.8			
21	20.4	26.9	45.2	120.1	112.8	164.6	55.0	41.8	36.6	37.7	32.6	28.2			
22	20.3	26.2	43.8	124.8	111.8	148.9	56.6	41.6	36.8	37.7	32.3	26.5			
23	20.1	26.5	44.4	123.1	107.0	142.6	60.1	41.0	37.2	37.5	31.9	26.2			
24	20.0	26.8	45.6	121.1	103.2	138.2	64.2	40.6	37.3	37.5	31.8	26.0			
25	19.8	26.5	46.3	126.9	100.8	136.0	66.4	40.6	37.7	37.5	31.8	25.8			
26	20.0	27.4	46.3	131.8	99.8	134.3	66.9	40.2	38.1	37.5	31.6	25.7			
27	20.1	28.1	44.6	132.1	97.4	132.1	66.2	40.2	38.3	37.3	31.4	25.5			
28	21.1	29.4	44.8	127.2	95.9	127.9	65.9	40.0	38.5	37.5	31.1	25.5			
29	21.1	31.4	46.7	123.5	94.7	122.8	64.7	39.8	38.5	37.3	30.7	25.2			
30	21.8	33.0	45.0	120.8		115.1	63.7	39.4	38.5	37.3	30.6	25.1			
31	22.5		46.7	120.8		108.3		39.2		37.2	30.6				
MEAN	21.4	27.8	44.9	89.1	109.0	133.0	65.0	46.6	37.8	38.2	33.7	27.7	56.1		
MAX.	23.1	33.0	53.4	132.1	122.8	211.6	100.1	62.3	39.0	39.2	37.0	30.4	211.6		
MIN.	19.8	24.0	35.9	48.2	94.7	92.0	53.2	39.2	36.6	37.2	30.6	25.1	19.8		

[Discharge Rating Curve]: Q=25.328*(H+0.562)^2

[Flow Regime (m3/s)]:

Q(95day): 64.0 Q(185day): 38.9 Q(275day): 31.4 Q(355day): 21.1

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1968/69	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.43	0.34	0.71	1.83	3.17	4.23	5.93	2.23	1.49	1.26	1.04	0.88		
2	0.42	0.34	0.76	1.97	3.61	3.82	5.89	2.16	1.47	1.25	1.04	0.88		
3	0.42	0.34	0.78	2.04	3.78	3.59	5.91	2.08	1.45	1.24	1.03	0.87		
4	0.42	0.34	0.79	2.19	3.84	3.38	5.87	1.94	1.44	1.23	1.03	0.87		
5	0.41	0.31	0.81	2.22	3.97	3.33	5.83	1.92	1.43	1.23	1.03	0.86		
6	0.41	0.43	0.82	2.38	4.17	3.27	5.80	1.90	1.42	1.21	1.02	0.85		
7	0.41	0.34	0.86	2.47	4.35	3.22	5.73	1.88	1.40	1.20	1.02	0.84		
8	0.41	0.31	0.86	2.60	4.46	3.14	5.64	1.86	1.39	1.18	1.01	0.84		
9	0.41	0.34	0.87	2.66	4.58	3.13	5.59	1.84	1.37	1.17	1.01	0.81		
10	0.41	0.34	0.87	2.54	4.60	3.19	5.57	1.82	1.36	1.17	1.00	0.80		
11	0.41	0.32	0.91	2.47	4.63	3.21	5.53	1.80	1.36	1.17	1.00	0.79		
12	0.41	0.38	1.01	2.37	4.61	3.22	5.48	1.79	1.35	1.16	0.99	0.78		
13	0.41	0.40	1.09	2.26	4.57	3.34	5.43	1.76	1.34	1.15	0.98	0.78		
14	0.41	0.41	1.11	2.43	4.48	3.45	5.25	1.75	1.33	1.14	0.98	0.77		
15	0.41	0.42	1.18	2.65	4.41	3.54	5.11	1.73	1.32	1.14	0.98	0.77		
16	0.46	0.45	1.20	2.74	4.47	4.12	4.92	1.72	1.31	1.14	0.97	0.77		
17	0.46	0.46	1.41	2.83	4.53	4.67	4.48	1.71	1.30	1.13	0.96	0.75		
18	0.37	0.47	1.71	2.89	4.73	4.98	4.12	1.69	1.30	1.12	0.95	0.74		
19	0.37	0.45	1.68	2.92	4.83	5.26	3.92	1.68	1.29	1.12	0.95	0.74		
20	0.37	0.48	1.64	2.98	4.83	5.55	3.49	1.66	1.28	1.11	0.94	0.73		
21	0.37	0.50	1.61	3.13	4.82	6.04	3.27	1.65	1.27	1.11	0.94	0.72		
22	0.37	0.51	1.72	3.19	4.84	6.37	3.05	1.64	1.26	1.10	0.93	0.72		
23	0.37	0.53	1.70	3.12	4.84	6.64	2.97	1.63	1.26	1.09	0.92	0.71		
24	0.37	0.56	1.69	3.19	4.79	6.81	2.72	1.62	1.25	1.09	0.91	0.71		
25	0.37	0.57	1.63	3.17	4.71	6.92	2.68	1.61	1.23	1.08	0.91	0.70		
26	0.35	0.59	1.60	3.12	4.65	6.86	2.60	1.60	1.23	1.08	0.91	0.69		
27	0.35	0.60	1.57	2.94	4.61	6.69	2.51	1.59	1.22	1.07	0.91	0.69		
28	0.35	0.64	1.58	2.84	4.48	6.44	2.41	1.58	1.19	1.07	0.90	0.68		
29	0.35	0.68	1.57	2.92		6.18	2.31	1.54	1.17	1.06	0.89	0.68		
30	0.34	0.71	1.58	3.03		6.10	2.27	1.50	1.15	1.05	0.88	0.68		
31	0.34		1.63	3.03		5.98		1.47		1.05	0.88			
MEAN	0.39	0.45	1.26	2.68	4.44	4.73	4.41	1.75	1.32	1.14	0.97	0.77	2.01	
MAX.	0.46	0.71	1.72	3.19	4.84	6.92	5.93	2.23	1.49	1.26	1.04	0.88	6.92	
MIN.	0.34	0.31	0.71	1.83	3.17	3.13	2.27	1.47	1.15	1.05	0.88	0.68	0.31	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1968/69	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	24.9	20.4	40.8	144.4	352.7	581.7	1068.9	198.0	106.7	84.5	65.2	52.7		
2	24.6	20.4	44.0	161.8	440.6	486.8	1054.9	188.2	104.8	83.4	64.7	52.5		
3	24.6	20.4	45.6	170.9	478.0	436.1	1059.8	177.0	102.9	82.6	64.2	52.3		
4	24.6	20.4	46.3	192.4	491.5	393.6	1047.9	158.0	102.0	81.7	64.0	51.6		
5	23.7	19.3	47.5	196.3	519.1	384.5	1035.0	155.7	100.8	80.9	64.0	51.0		
6	23.7	24.8	48.6	218.8	567.0	372.6	1025.2	153.4	99.8	79.5	63.7	50.5		
7	23.7	20.5	51.2	232.2	610.2	362.6	1001.7	150.7	97.4	78.4	63.5	49.9		
8	23.7	19.2	51.4	253.2	637.8	347.6	972.8	148.1	96.5	76.5	63.0	49.4		
9	23.7	20.4	51.8	262.6	669.9	345.3	958.5	145.9	94.4	76.3	62.5	47.7		
10	23.7	20.4	52.3	243.5	673.9	356.2	951.9	143.7	93.8	76.3	62.0	47.3		
11	23.7	19.8	54.5	232.7	681.9	360.3	938.7	141.8	93.2	75.7	61.5	46.5		
12	23.7	22.5	63.0	218.4	677.1	362.6	923.7	139.6	92.3	75.2	61.3	45.8		
13	23.7	23.4	69.0	202.4	666.7	386.3	910.7	136.0	91.4	74.4	60.6	45.4		
14	23.7	24.0	70.5	227.1	643.2	407.1	856.0	135.0	90.6	73.6	60.1	45.2		
15	23.7	24.6	76.8	262.1	626.2	425.2	813.5	133.5	89.4	73.4	59.9	45.0		
16	26.3	25.7	79.0	275.7	640.1	555.4	760.1	132.1	88.8	73.1	59.6	44.6		
17	26.3	26.6	98.0	291.7	657.3	692.3	643.2	130.4	88.2	72.6	58.9	43.8		
18	21.8	26.8	130.4	301.7	708.6	778.8	556.1	129.0	87.4	72.1	58.2	43.2		
19	21.8	25.8	127.6	307.6	736.6	859.6	508.7	127.6	87.1	71.5	57.7	42.8		
20	21.8	27.3	122.4	318.5	735.8	947.2	415.2	125.5	86.2	71.0	57.0	42.4		
21	21.8	28.6	119.1	345.8	735.0	1103.2	371.4	124.1	85.1	70.5	56.8	41.8		
22	21.8	29.2	131.8	356.8	738.3	1218.2	331.2	122.8	84.5	70.0	56.6	41.4		
23	21.8	30.4	130.0	343.0	738.3	1313.1	315.2	121.8	83.7	69.5	55.9	41.2		
24	21.8	32.1	128.3	356.8	725.0	1377.2	273.1	120.4	82.8	69.0	55.2	40.8		
25	21.8	32.6	121.8	352.7	703.7	1416.2	266.1	119.1	81.7	68.5	55.2	40.4		
26	21.1	33.5	118.7	343.0	689.1	1394.4	252.7	118.1	81.7	68.2	55.2	39.8		
27	21.1	34.0	115.1	310.8	676.3	1333.2	238.3	117.1	80.4	67.7	54.5	39.4		
28	21.1	36.4	115.7	292.7	643.2	1241.8	224.3	115.7	77.4	67.2	54.1	39.2		
29	21.1	38.9	114.8	307.6		1149.6	208.5	111.8	75.7	66.7	53.6	39.0		
30	20.4	40.8	116.1	327.3		1122.7	202.8	107.3	74.2	66.2	52.9	38.9		
31	20.4		122.1	326.2		1084.0		104.8		65.9	52.9			
MEAN	23.0	26.3	87.2	270.2	638.0	761.1	672.9	136.5	90.0	73.6	59.2	45.1	237.3	
MAX.	26.3	40.8	131.8	356.8	738.3	1416.2	1068.9	198.0	106.7	84.5	65.2	52.7	1416.2	
MIN.	20.4	19.2	40.8	144.4	352.7	345.3	202.8	104.8	74.2	65.9	52.9	38.9	19.2	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 301.7 Q(185day): 87.1 Q(275day): 49.9 Q(355day): 20.4

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

HM	ST.: 4-560	CHIPUMPA PONTOON											YEAR : 1969/70	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.67	0.72	0.81	2.43	2.72	3.20	2.12	1.43	1.05	0.91	0.80	0.64		
2	0.67	0.74	0.83	2.43	2.83	3.14	2.05	1.41	1.04	0.92	0.79	0.64		
3	0.66	0.76	0.83	2.43	2.98	3.04	2.02	1.40	1.03	0.91	0.79	0.63		
4	0.65	0.80	0.89	2.31	3.24	3.01	2.01	1.40	1.02	0.91	0.79	0.62		
5	0.65	0.84	0.90	2.26	3.54	2.94	1.98	1.39	1.01	0.90	0.78	0.62		
6	0.65	0.85	0.94	2.22	3.70	2.78	1.77	1.38	1.01	0.90	0.78	0.61		
7	0.65	0.88	1.00	2.17	3.76	2.72	1.72	1.39	1.01	0.90	0.77	0.60		
8	0.64	0.89	1.02	2.12	3.83	2.68	1.69	1.37	1.00	0.89	0.76	0.59		
9	0.64	0.87	1.03	2.08	3.89	2.57	1.67	1.36	1.00	0.89	0.76	0.59		
10	0.64	0.88	1.05	2.05	3.89	2.44	1.66	1.35	1.00	0.88	0.76	0.58		
11	0.63	0.87	1.08	2.02	3.93	2.41	1.63	1.33	0.99	0.88	0.75	0.58		
12	0.63	0.85	1.09	1.97	3.93	2.38	1.61	1.29	0.99	0.88	0.74	0.56		
13	0.62	0.89	1.11	1.91	3.91	2.41	1.56	1.20	0.98	0.87	0.74	0.56		
14	0.62	0.88	1.10	1.87	3.93	2.47	1.49	1.19	0.98	0.87	0.74	0.55		
15	0.62	0.88	1.13	1.81	3.93	2.54	1.48	1.19	0.98	0.87	0.74	0.55		
16	0.62	0.88	1.14	1.81	3.93	2.56	1.49	1.17	0.98	0.87	0.73	0.54		
17	0.61	0.87	1.48	1.96	3.93	2.59	1.55	1.17	0.98	0.86	0.73	0.53		
18	0.63	0.86	1.51	2.03	3.92	2.60	1.56	1.17	0.98	0.85	0.71	0.53		
19	0.65	0.86	1.53	2.09	3.92	2.56	1.53	1.15	0.97	0.85	0.71	0.53		
20	0.66	0.85	1.75	2.16	3.89	2.57	1.53	1.13	0.96	0.85	0.70	0.52		
21	0.67	0.84	1.85	2.20	3.88	2.61	1.55	1.12	0.96	0.85	0.70	0.52		
22	0.65	0.83	2.04	2.25	3.87	2.62	1.57	1.11	0.96	0.84	0.69	0.51		
23	0.65	0.81	2.18	2.33	3.85	2.62	1.60	1.09	0.96	0.84	0.69	0.51		
24	0.65	0.80	2.37	2.55	3.79	2.64	1.58	1.09	0.95	0.84	0.68	0.50		
25	0.66	0.79	2.47	2.67	3.68	2.62	1.57	1.08	0.95	0.83	0.67	0.50		
26	0.70	0.78	2.55	2.63	3.61	2.60	1.53	1.08	0.94	0.82	0.67	0.50		
27	0.69	0.78	2.34	2.61	3.51	2.58	1.52	1.08	0.94	0.82	0.67	0.49		
28	0.68	0.77	2.33	2.61	3.34	2.49	1.51	1.07	0.93	0.81	0.67	0.49		
29	0.66	0.79	2.30	2.66		2.36	1.46	1.06	0.92	0.81	0.66	0.48		
30	0.69	0.80	2.27	2.71		2.21	1.44	1.05	0.92	0.81	0.65	0.47		
31	0.70		2.40	2.70		2.15		1.05		0.80	0.64			
MEAN	0.65	0.83	1.53	2.26	3.68	2.62	1.65	1.22	0.98	0.86	0.72	0.55	1.45	
MAX.	0.70	0.89	2.55	2.71	3.93	3.20	2.12	1.43	1.05	0.92	0.80	0.64	3.93	
MIN.	0.61	0.72	0.81	1.81	2.72	2.15	1.44	1.05	0.92	0.80	0.64	0.47	0.47	

QM	ST.: 4-560	CHIPUMPA PONTOON											YEAR : 1969/70	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	38.5	41.6	47.9	226.6	273.1	357.9	181.5	100.4	65.4	55.2	47.1	36.6		
2	38.5	43.0	49.0	227.1	292.2	347.6	173.4	98.6	64.7	55.4	46.5	36.6		
3	37.9	44.2	48.8	226.6	317.9	328.4	169.3	97.7	64.0	55.2	46.5	36.2		
4	37.3	47.1	53.4	208.5	366.7	323.9	167.8	97.1	63.2	55.2	46.3	35.7		
5	37.2	49.4	53.8	201.9	425.2	309.8	163.4	96.2	62.5	54.1	45.8	35.7		
6	37.0	50.3	57.0	195.4	460.1	283.3	137.8	95.3	62.3	54.1	45.4	34.8		
7	37.0	52.5	61.5	189.1	472.7	273.1	131.4	96.2	62.5	54.1	44.8	34.4		
8	36.8	53.4	63.2	181.5	488.1	265.6	127.9	94.1	62.0	53.6	44.4	33.9		
9	36.6	52.3	64.2	176.6	501.1	248.3	125.9	93.2	61.8	53.2	44.4	33.5		
10	36.4	52.5	65.4	173.4	502.5	228.9	124.5	92.6	61.5	52.9	44.2	33.0		
11	36.0	51.8	67.9	168.6	510.8	223.8	121.4	90.8	61.1	52.9	43.4	32.8		
12	35.9	50.7	69.2	162.6	512.2	219.7	119.1	88.8	60.8	52.5	43.2	32.1		
13	35.7	53.6	70.8	154.5	506.6	223.8	114.4	78.7	60.6	51.8	43.0	32.1		
14	35.7	52.7	69.7	149.2	510.8	233.1	107.0	77.6	60.1	51.8	42.8	31.4		
15	35.3	52.5	72.6	142.6	512.2	244.0	105.7	77.4	60.1	51.8	42.8	31.2		
16	35.1	52.5	73.1	142.9	511.5	247.4	107.0	76.3	60.1	51.6	42.6	30.9		
17	34.9	52.1	105.4	160.7	510.8	251.7	112.5	75.7	59.9	51.2	42.0	30.4		
18	35.9	51.2	108.9	170.1	509.4	252.7	114.4	76.3	59.9	50.7	41.2	30.1		
19	37.2	51.0	110.8	178.7	508.0	246.9	110.5	73.9	59.6	50.7	40.8	30.1		
20	37.5	50.3	135.3	187.8	502.5	248.3	110.8	72.3	58.9	50.7	40.4	29.5		
21	38.7	50.1	147.4	193.3	499.1	254.7	113.1	71.5	58.7	50.3	40.4	29.5		
22	37.3	49.2	171.4	200.6	497.0	256.1	115.4	70.5	58.7	50.1	40.0	29.1		
23	37.3	47.9	190.3	212.1	493.6	257.1	118.1	69.5	58.4	49.7	39.4	28.9		
24	37.3	47.3	217.9	245.5	480.7	259.1	116.7	69.0	58.2	49.4	39.2	28.7		
25	37.9	46.3	233.1	265.1	456.2	266.6	115.1	68.5	58.0	49.2	38.7	28.7		
26	40.2	45.4	245.5	258.6	439.9	253.2	110.8	68.2	57.5	48.6	38.5	28.4		
27	40.0	45.4	213.4	254.7	420.2	249.3	110.2	67.9	57.0	48.4	38.5	28.1		
28	38.9	45.0	211.6	255.2	385.1	236.4	108.6	67.2	56.4	47.5	38.3	27.9		
29	38.1	46.0	206.7	262.6		215.7	103.2	66.7	55.9	47.5	37.7	27.6		
30	39.6	46.9	202.8	271.1		195.0	102.0	65.9	55.4	47.5	37.0	27.1		
31	40.6		222.0	270.1		186.1		65.9		47.3	36.6			
MEAN	37.4	49.1	119.7	203.6	459.5	257.4	124.6	80.6	60.2	51.4	42.0	31.5	124.3	
MAX.	40.6	53.6	245.5	271.1	512.2	357.9	181.5	100.4	65.4	55.4	47.1	36.6	512.2	
MIN.	34.9	41.6	47.9	142.6	273.1	186.1	102.0	65.9	55.4	47.3	36.6	27.1	27.1	

[Discharge Rating Curve]: Q=25.326*(H+0.562)²

[Flow Regime (m3/s)]:

Q(95day): 170.1 Q(185day): 61.5 Q(275day): 45.4 Q(355day): 29.5

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

HM	ST.: 4-560 CHIPUMPA PONTOON												YEAR : 1970/71	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.47	0.43	0.96	1.89	2.26	2.39	1.92	1.38	0.99	0.90	0.79	0.84		
2	0.47	0.43	0.97	2.02	2.29	2.41	1.84	1.37	0.98	0.89	0.79	0.64		
3	0.46	0.43	0.98	1.85	2.32	2.40	1.79	1.36	0.98	0.89	0.79	0.63		
4	0.45	0.43	1.02	1.77	2.32	2.42	1.74	1.34	0.98	0.88	0.79	0.62		
5	0.44	0.43	1.09	1.70	2.37	2.54	1.71	1.33	0.97	0.88	0.77	0.62		
6	0.44	0.43	1.10	1.71	2.30	2.66	1.69	1.30	0.97	0.88	0.76	0.61		
7	0.43	0.43	1.13	2.11	2.37	2.69	1.67	1.28	0.97	0.87	0.76	0.61		
8	0.44	0.43	1.15	2.20	2.40	2.69	1.66	1.26	0.96	0.87	0.75	0.61		
9	0.46	0.44	1.15	2.33	2.45	2.66	1.63	1.23	0.96	0.87	0.75	0.61		
10	0.47	0.45	1.17	2.36	2.47	2.64	1.61	1.20	0.95	0.87	0.74	0.60		
11	0.48	0.45	1.20	2.45	2.45	2.63	1.58	1.19	0.95	0.87	0.73	0.60		
12	0.49	0.47	1.21	2.51	2.41	2.60	1.52	1.18	0.94	0.86	0.73	0.61		
13	0.50	0.49	1.17	2.48	2.39	2.54	1.52	1.16	0.94	0.85	0.72	0.61		
14	0.49	0.53	1.18	2.40	2.32	2.47	1.51	1.15	0.94	0.85	0.71	0.61		
15	0.50	0.55	1.23	2.28	2.21	2.47	1.52	1.13	0.93	0.84	0.70	0.62		
16	0.49	0.58	1.26	2.26	2.22	2.45	1.55	1.12	0.93	0.84	0.70	0.63		
17	0.49	0.62	1.28	2.28	2.23	2.47	1.61	1.09	0.93	0.83	0.70	0.64		
18	0.48	0.65	1.25	2.38	2.26	2.47	1.65	1.07	0.92	0.83	0.70	0.64		
19	0.48	0.67	1.26	2.38	2.27	2.46	1.70	1.08	0.92	0.83	0.69	0.61		
20	0.48	0.68	1.27	2.33	2.26	2.68	1.66	1.08	0.92	0.83	0.69	0.60		
21	0.48	0.69	1.27	2.37	2.30	2.36	1.59	1.07	0.91	0.82	0.69	0.59		
22	0.47	0.69	1.33	2.41	2.37	2.31	1.58	1.07	0.91	0.82	0.69	0.58		
23	0.46	0.71	1.38	2.40	2.36	2.24	1.57	1.06	0.91	0.82	0.68	0.56		
24	0.46	0.72	1.41	2.38	2.37	2.16	1.57	1.05	0.91	0.82	0.67	0.56		
25	0.46	0.73	1.41	2.36	2.41	2.07	1.56	1.04	0.92	0.82	0.67	0.55		
26	0.46	0.71	1.48	2.30	2.42	1.92	1.56	1.04	0.91	0.82	0.67	0.54		
27	0.46	0.74	1.50	2.23	2.40	1.76	1.56	1.03	0.91	0.82	0.69	0.54		
28	0.45	0.76	1.51	2.20	2.39	1.90	1.54	1.02	0.91	0.82	0.69	0.53		
29	0.44	0.83	1.51	2.18		1.95	1.78	1.01	0.91	0.82	0.65	0.53		
30	0.43	0.91	1.58	2.22		1.93	1.39	1.00	0.90	0.82	0.65	0.52		
31	0.43		1.72	2.23		1.92		0.99		0.82	0.64			
MEAN	0.46	0.58	1.26	2.23	2.34	2.36	1.63	1.15	0.94	0.85	0.71	0.60	1.25	
MAX.	0.50	0.91	1.72	2.51	2.47	2.69	1.92	1.38	0.99	0.90	0.79	0.64	2.69	
MIN.	0.43	0.43	0.96	1.70	2.21	1.76	1.39	0.99	0.90	0.82	0.64	0.52	0.43	

QM	ST.: 4-560 CHIPUMPA PONTOON												YEAR : 1970/71	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	27.1	24.8	58.9	152.6	201.9	221.1	155.7	95.9	60.8	53.8	46.3	36.6		
2	26.9	24.8	59.4	168.9	205.9	223.8	146.2	94.4	60.1	53.6	46.3	36.4		
3	26.5	24.8	60.3	147.4	210.7	222.9	139.6	93.2	60.1	53.4	46.3	36.0		
4	26.0	24.8	63.2	137.8	210.7	225.7	134.3	92.0	59.9	52.9	46.0	35.5		
5	25.5	24.8	68.7	129.3	217.9	244.0	131.1	90.8	59.6	52.7	44.6	35.1		
6	25.4	25.1	70.2	130.7	208.1	263.6	128.3	87.7	59.4	52.5	44.2	34.9		
7	24.8	25.1	72.8	181.1	217.9	268.1	126.5	85.7	59.1	52.3	44.2	34.8		
8	25.4	25.1	73.9	193.3	222.9	268.6	124.8	83.7	58.7	51.8	43.6	34.8		
9	26.3	25.5	73.9	212.1	229.4	263.1	122.1	80.9	58.4	51.8	43.4	34.6		
10	26.8	26.0	75.7	215.7	233.1	259.1	119.4	78.7	57.7	51.6	43.0	34.4		
11	27.3	26.2	79.0	229.4	229.4	257.6	115.7	77.6	57.7	51.6	42.4	34.4		
12	27.9	27.1	79.5	239.2	224.3	253.2	110.2	76.8	57.5	51.2	42.0	34.6		
13	28.4	28.2	75.7	234.1	221.1	243.5	110.2	75.2	57.0	50.7	41.4	34.6		
14	28.1	30.1	76.8	222.9	210.3	233.6	109.2	74.2	57.0	50.3	40.8	34.8		
15	28.6	31.4	81.5	204.5	194.6	232.2	110.2	72.8	56.6	49.7	40.6	35.3		
16	27.9	32.8	83.7	201.5	196.3	230.3	112.8	71.8	56.4	49.4	40.4	36.2		
17	27.9	35.5	85.9	204.5	196.7	233.1	119.7	69.0	56.1	49.2	40.4	36.6		
18	27.7	37.2	83.1	218.8	201.5	233.6	124.1	67.4	55.9	49.2	40.2	36.4		
19	27.7	38.3	84.0	218.8	203.2	231.2	129.7	68.5	55.7	49.0	40.0	34.8		
20	27.6	38.9	85.4	212.1	201.9	266.6	124.8	68.2	55.4	49.0	39.6	34.2		
21	27.3	40.0	84.8	217.9	208.1	215.7	117.1	67.7	55.2	48.6	39.6	33.3		
22	26.9	40.0	90.8	223.8	218.4	209.0	116.1	67.2	55.2	48.4	39.4	32.8		
23	26.5	40.8	95.3	222.9	216.1	198.9	115.4	66.7	55.2	48.4	39.0	32.1		
24	26.3	41.4	98.9	219.7	218.4	188.2	115.1	65.9	55.2	48.4	38.7	31.8		
25	26.3	42.4	98.0	215.7	224.3	175.8	114.4	65.2	55.4	48.4	38.7	31.2		
26	26.5	41.2	105.7	208.1	224.8	156.0	114.1	64.7	55.0	48.2	38.5	30.9		
27	26.3	43.0	107.6	198.0	222.5	137.1	113.8	64.2	54.7	48.2	39.4	30.9		
28	26.2	44.0	109.2	193.7	221.1	153.4	112.1	63.2	54.5	48.4	40.0	30.4		
29	25.2	49.2	108.3	190.3		159.9	138.9	62.5	54.5	48.4	37.0	30.2		
30	24.8	55.0	116.7	195.4		156.8	96.2	62.0	54.1	48.2	37.0	29.9		
31	24.8		132.1	198.0		156.4		61.3		48.4	36.6			
MEAN	26.7	33.8	85.1	198.0	214.0	218.8	121.6	74.7	56.9	50.2	41.3	34.0	95.7	
MAX.	28.6	55.0	132.1	239.2	233.1	268.6	155.7	95.9	60.8	53.8	46.3	36.6	268.6	
MIN.	24.8	24.8	58.9	129.3	194.6	137.1	96.2	61.3	54.1	48.2	36.6	29.9	24.8	

[Discharge Rating Curve]: Q=25.326*(H+0.562)²
 [Flow Regime (m3/s)]:
 Q(95day): 131.1 Q(185day): 59.6 Q(275day): 39.6 Q(355day): 25.1

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1971/72		[WATER LEVEL (m)]	
L	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
	1	0.52	0.41	0.67	1.04	1.35	1.01	1.78	1.16	0.82	0.67	0.60	0.50			
	2	0.51	0.40	0.66	1.14	1.34	1.04	1.75	1.16	0.81	0.67	0.60	0.50			
	3	0.50	0.40	0.69	1.19	1.28	1.10	1.71	1.16	0.80	0.67	0.60	0.50			
	4	0.50	0.39	0.65	1.24	1.23	1.17	1.67	1.18	0.79	0.67	0.59	0.50			
	5	0.49	0.40	0.62	1.24	1.20	1.27	1.65	1.16	0.78	0.67	0.59	0.51			
	6	0.49	0.40	0.62	1.25	1.16	1.34	1.64	1.15	0.77	0.67	0.59	0.50			
	7	0.48	0.40	0.62	1.22	1.15	1.41	1.65	1.13	0.77	0.67	0.58	0.50			
	8	0.48	0.40	0.62	1.19	1.11	1.56	1.67	1.11	0.76	0.67	0.58	0.50			
	9	0.47	0.42	0.62	1.19	1.09	1.72	1.67	1.09	0.75	0.68	0.58	0.51			
	10	0.46	0.43	0.62	1.18	1.08	1.93	1.67	1.06	0.74	0.66	0.57	0.51			
	11	0.46	0.43	0.61	1.18	1.03	2.01	1.66	1.05	0.73	0.66	0.57	0.51			
	12	0.45	0.45	0.61	1.18	0.99	1.78	1.64	1.01	0.73	0.66	0.57	0.51			
	13	0.45	0.49	0.62	1.19	0.96	1.78	1.62	1.00	0.73	0.66	0.57	0.50			
	14	0.45	0.48	0.63	1.22	0.94	1.76	1.59	0.98	0.72	0.65	0.57	0.49			
	15	0.45	0.50	0.62	1.23	0.91	1.77	1.56	0.96	0.72	0.65	0.56	0.48			
	16	0.45	0.55	0.61	1.29	0.90	1.82	1.53	0.96	0.71	0.64	0.55	0.47			
	17	0.45	0.58	0.62	1.30	0.89	1.92	1.49	0.94	0.71	0.64	0.55	0.47			
	18	0.45	0.60	0.63	1.36	0.91	1.93	1.47	0.91	0.71	0.64	0.55	0.46			
	19	0.45	0.63	0.66	1.37	0.93	1.92	1.41	0.91	0.70	0.63	0.54	0.45			
	20	0.45	0.66	0.67	1.37	0.95	1.93	1.34	0.90	0.70	0.63	0.54	0.45			
	21	0.45	0.69	0.64	1.37	0.97	1.96	1.27	0.90	0.70	0.63	0.54	0.44			
	22	0.45	0.78	0.79	1.37	0.99	1.96	1.21	0.89	0.69	0.62	0.53	0.44			
	23	0.45	0.82	0.83	1.37	1.03	1.94	1.17	0.89	0.69	0.62	0.53	0.43			
	24	0.46	0.82	0.89	1.39	0.97	1.92	1.14	0.88	0.69	0.62	0.52	0.43			
	25	0.46	0.82	0.91	1.40	0.95	1.91	1.13	0.87	0.69	0.61	0.52	0.42			
	26	0.46	0.81	1.08	1.40	0.97	1.90	1.13	0.86	0.69	0.61	0.52	0.42			
	27	0.48	0.80	1.05	1.37	0.97	1.87	1.17	0.86	0.68	0.61	0.52	0.42			
	28	0.45	0.78	0.99	1.35	0.96	1.84	1.14	0.85	0.68	0.61	0.52	0.41			
	29	0.42	0.76	0.98	1.36	1.00	1.84	1.14	0.84	0.67	0.61	0.51	0.41			
	30	0.42	0.71	0.98	1.35		1.83	1.16	0.83	0.67	0.61	0.51	0.41			
	31	0.41		0.98	1.35		1.81		0.82		0.61	0.51				
MEAN		0.46	0.57	0.74	1.28	1.04	1.71	1.46	0.98	0.73	0.64	0.55	0.47	0.89		
MAX.		0.52	0.82	1.08	1.40	1.35	2.01	1.78	1.16	0.82	0.67	0.60	0.51	2.01		
MIN.		0.41	0.39	0.61	1.04	0.89	1.01	1.13	0.82	0.67	0.61	0.51	0.41	0.39		

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1971/72		[DISCHARGE (m3/s)]	
L	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
	1	29.5	24.0	38.7	64.9	92.9	62.3	138.6	75.5	48.2	38.5	34.4	28.7			
	2	29.1	23.6	38.1	73.4	91.4	64.7	135.3	74.9	47.5	38.5	34.2	28.6			
	3	28.6	23.4	40.0	77.9	85.9	69.7	130.4	75.2	46.7	38.5	34.0	28.7			
	4	28.4	23.1	37.2	82.0	81.2	75.7	126.5	75.5	46.3	38.5	33.9	28.7			
	5	28.1	23.3	35.7	82.6	78.7	85.1	123.8	75.2	45.4	38.3	33.5	28.9			
	6	27.9	23.3	35.5	83.1	75.2	91.1	122.8	74.4	45.0	38.3	33.3	28.7			
	7	27.7	23.4	35.5	80.1	74.2	98.9	124.1	72.3	44.6	38.3	33.2	28.7			
	8	27.4	23.6	35.7	78.2	70.8	114.4	125.9	70.8	44.2	38.3	33.0	28.7			
	9	27.1	24.5	35.5	77.4	68.7	131.8	125.9	69.2	43.8	38.1	32.8	28.9			
	10	26.6	24.9	35.1	76.5	66.4	156.8	125.9	66.9	43.2	38.1	32.6	29.1			
	11	26.3	25.1	34.8	77.1	64.0	167.8	125.2	65.4	42.6	37.9	32.6	29.2			
	12	26.2	25.7	34.8	77.1	61.1	138.6	122.8	63.0	42.4	37.5	32.5	29.1			
	13	26.0	27.9	35.3	77.4	58.9	138.6	120.4	62.0	42.0	37.5	32.3	28.6			
	14	25.8	27.7	36.2	80.1	56.8	136.4	117.7	60.1	41.8	37.3	32.3	27.9			
	15	25.7	28.4	35.3	80.9	55.2	137.5	114.4	58.7	41.4	37.2	31.9	27.6			
	16	25.8	31.1	34.8	88.8	54.1	143.3	110.8	58.4	41.2	36.8	31.6	27.1			
	17	25.7	32.8	35.1	87.4	53.2	155.7	107.0	56.8	41.2	36.6	31.2	26.8			
	18	26.0	34.0	36.0	93.2	55.2	157.6	104.5	55.2	41.0	36.6	31.1	26.3			
	19	26.0	35.9	37.7	94.4	56.6	156.0	98.3	54.7	40.6	36.2	30.9	26.0			
	20	26.2	37.9	38.5	94.1	57.7	157.6	91.7	54.3	40.4	36.0	30.6	25.8			
	21	25.8	40.0	36.8	94.4	59.6	160.7	85.4	53.8	40.2	35.9	30.6	25.5			
	22	25.8	45.8	46.0	94.4	61.3	161.1	79.8	53.4	40.0	35.7	30.2	25.2			
	23	26.0	48.6	49.0	94.4	64.2	158.0	76.3	53.2	39.6	35.3	30.1	25.1			
	24	26.3	48.6	53.4	96.5	59.4	156.0	73.6	52.9	39.6	35.1	29.9	24.8			
	25	26.5	48.4	55.2	97.4	57.7	155.3	72.3	52.3	39.4	34.9	29.7	24.5			
	26	26.3	47.7	67.9	97.1	59.6	153.0	72.6	51.4	39.4	34.9	29.5	24.3			
	27	27.6	46.9	66.2	94.1	59.1	149.6	76.3	51.0	39.0	34.9	29.4	24.3			
	28	26.2	45.8	61.3	92.3	58.9	146.2	73.6	50.3	38.9	34.8	29.4	24.2			
	29	24.6	44.0	59.9	93.2	62.0	145.9	73.4	49.4	38.7	34.8	29.2	24.2			
	30	24.3	41.0	59.9	92.9		145.1	74.7	48.8	38.7	34.6	29.2	23.7			
	31	24.0		59.9	92.9		142.6		48.6		34.6	28.9				
MEAN		26.6	33.3	43.3	85.9	65.5	132.7	105.0	60.8	42.1	36.7	31.5	26.9	57.5		
MAX.		29.5	48.6	67.9	97.4	92.9	167.8	138.6	75.5	48.2	38.5	34.4	29.2	167.8		
MIN.		24.0	23.1	34.8	64.9	53.2	62.3	72.3	48.6	38.7	34.6	28.9	23.7	23.1		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 74.2 Q(185day): 41.4 Q(275day): 31.2 Q(355day): 24.2

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

HM	ST.: 4-560		CHIPUMPA PONTOON					YEAR : 1972/73					[WATER LEVEL (m)]		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	0.39	0.35	0.30	0.55	0.55	1.10	0.62	0.39	0.27	0.28	0.27	0.21			
2	0.39	0.34	0.30	0.57	0.55	1.09	0.59	0.38	0.27	0.28	0.26	0.21			
3	0.38	0.32	0.30	0.59	0.55	1.06	0.57	0.38	0.27	0.28	0.26	0.21			
4	0.37	0.31	0.31	0.60	0.53	1.02	0.56	0.38	0.27	0.28	0.26	0.21			
5	0.37	0.30	0.31	0.61	0.52	0.98	0.53	0.37	0.27	0.28	0.26	0.21			
6	0.37	0.32	0.32	0.62	0.51	0.96	0.50	0.37	0.26	0.28	0.26	0.21			
7	0.37	0.32	0.33	0.64	0.50	0.93	0.49	0.36	0.26	0.27	0.25	0.21			
8	0.38	0.32	0.33	0.68	0.49	0.98	0.48	0.34	0.26	0.27	0.25	0.20			
9	0.45	0.31	0.33	0.67	0.49	0.91	0.47	0.34	0.26	0.27	0.25	0.20			
10	0.50	0.34	0.34	0.69	0.48	0.85	0.46	0.34	0.26	0.27	0.25	0.20			
11	0.48	0.35	0.35	0.72	0.51	0.84	0.46	0.34	0.26	0.27	0.25	0.20			
12	0.45	0.37	0.36	0.76	0.52	0.92	0.45	0.33	0.26	0.27	0.25	0.20			
13	0.37	0.39	0.38	0.82	0.57	0.97	0.46	0.33	0.26	0.27	0.25	0.20			
14	0.36	0.38	0.40	0.84	0.59	0.95	0.49	0.33	0.26	0.27	0.24	0.20			
15	0.35	0.38	0.40	0.88	0.69	0.92	0.50	0.32	0.26	0.27	0.24	0.20			
16	0.35	0.37	0.40	0.87	0.83	0.89	0.52	0.31	0.26	0.27	0.24	0.20			
17	0.34	0.36	0.39	0.88	0.85	0.86	0.52	0.31	0.26	0.27	0.24	0.20			
18	0.34	0.35	0.39	0.89	0.86	0.81	0.52	0.31	0.26	0.27	0.24	0.20			
19	0.33	0.34	0.40	0.87	0.89	0.78	0.52	0.30	0.26	0.27	0.24	0.20			
20	0.32	0.33	0.41	0.85	0.95	0.74	0.52	0.30	0.26	0.27	0.23	0.19			
21	0.31	0.31	0.45	0.82	0.95	0.72	0.51	0.30	0.26	0.27	0.23	0.19			
22	0.31	0.30	0.53	0.80	0.97	0.69	0.50	0.30	0.26	0.27	0.23	0.18			
23	0.30	0.30	0.55	0.79	1.05	0.67	0.49	0.29	0.26	0.27	0.23	0.18			
24	0.30	0.30	0.57	0.76	1.14	0.67	0.47	0.29	0.26	0.27	0.23	0.18			
25	0.29	0.30	0.53	0.66	1.19	0.66	0.46	0.29	0.27	0.27	0.22	0.18			
26	0.30	0.30	0.51	0.62	1.20	0.66	0.45	0.29	0.28	0.27	0.22	0.17			
27	0.32	0.30	0.50	0.60	1.11	0.65	0.44	0.29	0.28	0.27	0.22	0.17			
28	0.32	0.30	0.49	0.57	1.07	0.64	0.42	0.28	0.28	0.27	0.22	0.16			
29	0.33	0.30	0.49	0.55		0.64	0.41	0.28	0.28	0.27	0.22	0.17			
30	0.32	0.30	0.51	0.55		0.64	0.40	0.28	0.28	0.27	0.22	0.17			
31	0.34		0.52	0.55		0.63		0.28	0.27	0.27	0.21				
MEAN	0.36	0.33	0.41	0.71	0.75	0.83	0.49	0.32	0.27	0.27	0.24	0.19	0.43		
MAX.	0.50	0.39	0.57	0.89	1.20	1.10	0.62	0.39	0.28	0.28	0.27	0.21	1.20		
MIN.	0.29	0.30	0.30	0.55	0.48	0.63	0.40	0.28	0.26	0.27	0.21	0.16	0.16		

QM	ST.: 4-560		CHIPUMPA PONTOON					YEAR : 1972/73					[DISCHARGE (m3/sec)]		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	23.1	20.9	18.8	31.6	31.2	69.7	35.1	22.8	17.7	17.8	17.3	15.2			
2	22.8	20.7	18.9	32.5	31.2	68.7	33.9	22.5	17.6	17.8	17.2	15.2			
3	22.5	19.8	18.9	33.3	31.1	66.7	32.6	22.7	17.5	17.8	17.2	15.1			
4	21.9	19.4	19.2	34.2	30.4	63.2	31.8	22.4	17.5	17.8	17.1	15.1			
5	21.8	19.0	19.4	34.6	29.5	60.1	30.4	22.2	17.3	17.8	17.1	15.0			
6	21.8	19.6	19.7	35.1	28.9	58.4	28.7	21.8	17.2	17.8	16.9	15.0			
7	21.8	19.6	20.0	36.6	28.4	56.6	27.9	21.4	17.2	17.7	16.8	15.0			
8	22.7	19.6	20.1	39.2	28.1	60.1	27.3	20.8	17.2	17.7	16.7	14.9			
9	26.2	19.3	20.3	38.7	27.9	54.7	26.8	20.5	17.1	17.7	16.7	14.8			
10	28.4	20.4	20.5	39.8	27.7	50.3	26.6	20.5	16.9	17.7	16.6	14.6			
11	27.4	20.9	20.9	41.8	28.9	49.4	26.3	20.4	16.9	17.6	16.6	14.6			
12	26.0	21.8	21.5	44.4	29.7	55.7	26.2	20.3	16.9	17.6	16.6	14.8			
13	21.8	23.0	22.7	48.2	32.5	59.4	26.6	20.1	17.1	17.6	16.6	14.8			
14	21.5	22.7	23.3	50.1	33.5	57.7	27.9	20.1	17.1	17.6	16.3	14.6			
15	21.2	22.5	23.6	51.2	39.4	55.7	28.7	19.8	17.1	17.5	16.3	14.6			
16	20.9	22.2	23.3	52.3	49.0	53.2	29.5	19.4	17.1	17.5	16.3	14.6			
17	20.7	21.7	23.1	52.9	50.3	51.2	29.4	19.3	17.1	17.5	16.3	14.6			
18	20.4	21.2	23.1	53.2	51.4	47.7	29.4	19.2	17.2	17.5	16.3	14.5			
19	20.1	20.8	23.4	52.3	53.4	45.4	29.5	19.0	17.2	17.5	16.2	14.5			
20	19.8	20.1	23.9	50.7	57.7	43.2	29.5	18.9	17.2	17.5	16.1	14.3			
21	19.4	19.2	26.2	48.6	57.7	41.4	29.2	18.8	17.2	17.3	16.0	14.2			
22	19.2	18.9	30.1	47.3	59.6	39.8	28.7	18.6	17.2	17.3	15.8	13.9			
23	18.9	18.8	31.6	46.5	65.9	38.7	28.1	18.5	17.2	17.3	15.8	13.9			
24	18.6	18.8	32.5	44.4	73.4	38.3	27.1	18.4	17.7	17.5	15.7	13.8			
25	18.4	19.0	30.2	38.1	78.2	37.9	26.3	18.4	17.6	17.5	15.6	13.8			
26	18.9	19.0	29.1	35.5	78.4	37.5	25.8	18.2	17.8	17.5	15.5	13.7			
27	19.7	18.9	28.6	34.4	70.5	37.0	25.2	18.2	17.8	17.5	15.5	13.5			
28	19.8	18.9	28.1	32.3	67.4	36.6	24.5	18.1	17.8	17.5	15.5	13.4			
29	20.1	18.8	27.9	31.2		36.6	23.7	18.1	17.8	17.3	15.5	13.5			
30	19.7	18.6	29.1	31.2		36.6	23.3	18.0	17.8	17.3	15.3	13.6			
31	20.8		29.9	31.2		35.9		17.8	17.3	17.3	15.2				
MEAN	21.5	20.1	24.1	41.1	45.4	49.8	28.2	19.8	17.3	17.6	16.3	14.4	26.2		
MAX.	28.4	23.0	32.5	53.2	78.4	69.7	35.1	22.8	17.8	17.8	17.3	15.2	78.4		
MIN.	18.4	18.6	18.8	31.2	27.7	35.9	23.3	17.8	16.9	17.3	15.2	13.4	13.4		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 29.5 Q(185day): 20.3 Q(275day): 17.5 Q(355day): 14.3

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

HM	ST.: 4-560 CHIPUMPA PONTOON												YEAR : 1973/74	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.17	0.15	0.23	0.64	1.39	1.62	1.15	0.66	0.55	0.45	0.40	0.37		
2	0.17	0.15	0.24	0.79	1.37	1.64	1.12	0.63	0.55	0.45	0.40	0.37		
3	0.16	0.14	0.24	0.72	1.32	1.62	1.09	0.63	0.54	0.45	0.40	0.37		
4	0.17	0.13	0.25	0.67	1.27	1.59	1.02	0.62	0.54	0.45	0.40	0.37		
5	0.17	0.14	0.26	0.68	1.27	1.55	1.03	0.62	0.53	0.45	0.40	0.36		
6	0.17	0.16	0.27	0.69	1.30	1.52	1.04	0.61	0.53	0.45	0.39	0.36		
7	0.18	0.18	0.27	0.66	1.40	1.49	1.04	0.61	0.52	0.45	0.39	0.35		
8	0.18	0.19	0.28	0.59	1.59	1.63	1.05	0.60	0.51	0.45	0.39	0.35		
9	0.19	0.20	0.29	0.59	1.78	1.87	1.06	0.61	0.50	0.45	0.39	0.34		
10	0.20	0.22	0.30	0.63	1.70	2.26	1.06	0.61	0.50	0.45	0.39	0.33		
11	0.19	0.23	0.31	0.69	1.66	2.23	1.06	0.61	0.50	0.45	0.39	0.30		
12	0.18	0.25	0.32	0.69	1.59	2.21	1.07	0.61	0.49	0.45	0.38	0.30		
13	0.17	0.26	0.33	0.69	1.53	1.84	1.07	0.62	0.49	0.44	0.38	0.29		
14	0.17	0.27	0.34	0.70	1.49	1.79	1.08	0.62	0.48	0.44	0.38	0.29		
15	0.17	0.26	0.35	0.70	1.47	1.72	1.10	0.62	0.48	0.44	0.38	0.29		
16	0.16	0.23	0.37	0.70	1.45	1.76	1.11	0.67	0.48	0.44	0.37	0.28		
17	0.15	0.22	0.40	0.71	1.43	1.88	1.14	0.68	0.47	0.44	0.37	0.28		
18	0.15	0.22	0.39	0.79	1.41	1.93	1.13	0.68	0.47	0.43	0.37	0.28		
19	0.15	0.21	0.38	0.86	1.38	2.02	1.12	0.68	0.46	0.43	0.36	0.27		
20	0.15	0.22	0.37	0.90	1.35	1.99	1.12	0.68	0.46	0.43	0.36	0.27		
21	0.15	0.24	0.37	0.90	1.33	1.91	1.11	0.68	0.46	0.43	0.36	0.26		
22	0.14	0.26	0.37	0.98	1.38	1.75	1.09	0.67	0.46	0.43	0.35	0.26		
23	0.13	0.25	0.37	1.15	1.48	1.67	1.07	0.66	0.46	0.42	0.35	0.25		
24	0.13	0.24	0.40	1.18	1.55	1.55	1.06	0.66	0.45	0.42	0.35	0.25		
25	0.13	0.22	0.42	1.08	1.50	1.80	1.02	0.65	0.45	0.42	0.35	0.25		
26	0.13	0.21	0.44	1.09	1.48	1.43	0.98	0.63	0.45	0.41	0.35	0.24		
27	0.13	0.21	0.45	1.12	1.50	1.30	0.97	0.61	0.45	0.41	0.34	0.24		
28	0.13	0.21	0.47	1.13	1.55	1.27	0.91	0.60	0.45	0.41	0.34	0.23		
29	0.14	0.22	0.48	1.19	1.19	1.23	0.86	0.59	0.45	0.41	0.35	0.23		
30	0.15	0.22	0.51	1.29	1.20	0.67	0.58	0.45	0.41	0.36	0.23			
31	0.15		0.52	1.38	1.16		0.57		0.40	0.37				
MEAN	0.16	0.21	0.35	0.86	1.46	1.69	1.05	0.63	0.49	0.43	0.37	0.30	0.66	
MAX.	0.20	0.27	0.52	1.38	1.78	2.26	1.15	0.68	0.55	0.45	0.40	0.37	2.26	
MIN.	0.13	0.13	0.23	0.59	1.27	1.16	0.67	0.57	0.45	0.40	0.34	0.23	0.13	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1973/74	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	13.7	12.9	16.0	36.6	96.2	120.1	74.4	37.5	31.6	26.2	23.4	22.1		
2	13.5	12.7	16.2	46.5	95.0	122.8	72.1	36.2	31.2	26.0	23.4	21.9		
3	13.4	12.5	16.4	41.4	89.4	120.1	69.5	35.9	30.7	26.0	23.4	21.8		
4	13.5	12.3	16.7	38.5	85.4	117.1	63.7	35.7	30.7	26.0	23.3	21.8		
5	13.5	12.5	17.1	39.0	85.1	113.1	64.2	35.5	30.4	26.2	23.3	21.5		
6	13.6	13.1	17.5	39.4	87.9	110.2	64.7	34.9	30.1	26.2	23.1	21.4		
7	13.8	13.8	17.6	37.7	97.7	107.0	64.9	34.6	29.7	26.2	23.1	21.2		
8	13.9	14.2	17.8	33.9	117.4	121.8	65.9	34.2	29.2	26.0	23.1	20.9		
9	14.3	14.8	18.2	33.7	138.9	150.0	66.4	34.6	28.7	26.0	23.1	20.8		
10	14.6	15.6	18.8	36.2	129.7	202.4	66.9	34.8	28.7	25.8	23.0	20.1		
11	14.4	16.1	19.2	39.4	124.5	198.0	66.9	34.6	28.4	25.7	22.8	18.8		
12	13.9	16.7	19.7	39.8	117.1	194.1	67.2	34.8	28.3	25.7	22.7	18.6		
13	13.7	17.2	20.1	40.0	110.5	146.2	67.4	35.5	27.9	25.5	22.7	18.5		
14	13.5	17.6	20.5	40.2	106.4	140.4	68.2	35.3	27.6	25.5	22.5	18.4		
15	13.5	16.9	21.1	40.2	104.5	131.8	69.7	35.7	27.4	25.4	22.4	18.4		
16	13.0	16.1	22.1	40.2	102.6	136.0	71.0	38.5	27.3	25.4	22.2	18.1		
17	12.9	15.5	23.6	41.2	100.4	151.5	73.6	39.2	27.1	25.2	22.1	18.0		
18	12.8	15.3	23.0	46.3	98.3	156.8	72.8	39.2	26.8	25.1	21.9	17.8		
19	12.9	15.2	22.5	51.2	95.9	168.9	72.1	39.0	26.6	24.9	21.7	17.6		
20	12.7	15.3	22.1	54.1	92.6	165.0	71.5	39.2	26.5	24.9	21.5	17.3		
21	12.7	16.2	21.8	54.1	90.3	154.1	70.5	39.0	26.5	24.9	21.4	17.1		
22	12.6	17.2	21.8	59.9	95.6	135.0	68.7	38.7	26.5	24.8	21.2	16.9		
23	12.3	16.8	22.1	74.2	105.4	125.9	67.7	38.1	26.3	24.6	21.1	16.8		
24	12.3	16.2	23.6	76.8	112.8	113.4	66.4	37.5	26.2	24.5	21.1	16.7		
25	12.3	15.5	24.6	68.2	107.6	141.8	63.5	37.2	26.2	24.3	20.9	16.6		
26	12.1	15.1	25.4	69.5	108.1	100.1	60.6	36.2	26.0	24.2	20.9	16.4		
27	12.1	15.2	26.2	71.3	107.6	87.9	59.1	34.9	26.2	24.0	20.8	16.2		
28	12.1	15.2	26.8	72.6	112.5	85.1	55.2	34.4	26.2	24.0	20.7	16.0		
29	12.5	15.3	27.4	77.6		81.5	51.2	33.7	26.2	23.9	21.1	16.0		
30	12.7	15.6	28.9	87.1		79.0	38.3	33.0	26.2	23.7	21.5	16.1		
31	12.7		29.9	95.3		74.9		32.3		23.6	21.8			
MEAN	13.1	15.2	21.4	52.3	104.0	130.7	65.8	36.1	27.9	25.2	22.2	18.7	44.0	
MAX.	14.6	17.6	29.9	95.3	138.9	202.4	74.4	39.2	31.6	26.2	23.4	22.1	202.4	
MIN.	12.1	12.3	16.0	33.7	85.1	74.9	38.3	32.3	26.0	23.6	20.7	16.0	12.1	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 59.9 Q(185day): 26.2 Q(275day): 18.8 Q(355day): 12.6

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1974/75	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1		0.23	0.16	0.51	1.44	2.06	1.55	2.47	1.09	0.79	0.64	0.55	0.48	
2		0.23	0.16	0.52	1.55	2.00	1.55	2.43	1.09	0.77	0.64	0.55	0.48	
3		0.23	0.16	0.51	1.63	1.90	1.57	2.27	1.06	0.77	0.64	0.55	0.48	
4		0.22	0.16	0.50	1.70	1.99	1.74	2.20	1.05	0.76	0.64	0.54	0.47	
5		0.22	0.16	0.48	1.84	1.90	2.09	2.19	1.03	0.76	0.64	0.54	0.47	
6		0.22	0.15	0.48	1.97	2.23	2.31	2.15	1.01	0.76	0.64	0.54	0.46	
7		0.22	0.15	0.48	2.05	2.24	2.35	2.11	1.00	0.75	0.64	0.54	0.46	
8		0.21	0.15	0.49	2.01	2.30	2.36	2.05	0.98	0.75	0.64	0.54	0.46	
9		0.21	0.15	0.49	2.00	2.27	2.27	2.02	0.97	0.75	0.63	0.54	0.45	
10		0.21	0.15	0.51	2.17	2.33	2.09	1.98	0.95	0.75	0.63	0.54	0.45	
11		0.21	0.15	0.52	2.12	2.16	2.03	1.93	0.94	0.74	0.63	0.54	0.45	
12		0.21	0.17	0.52	2.05	2.00	2.06	1.89	0.93	0.74	0.63	0.54	0.44	
13		0.20	0.18	0.51	1.94	1.94	2.18	1.84	0.91	0.74	0.63	0.54	0.44	
14		0.20	0.18	0.57	1.93	1.88	2.33	1.77	0.91	0.74	0.63	0.54	0.43	
15		0.20	0.18	0.74	1.90	1.91	2.38	1.67	0.91	0.74	0.62	0.54	0.43	
16		0.20	0.19	0.80	1.87	1.92	2.42	1.64	0.91	0.72	0.62	0.53	0.42	
17		0.20	0.19	0.78	1.84	1.91	2.40	1.62	0.90	0.70	0.62	0.53	0.42	
18		0.20	0.20	0.77	1.91	1.91	2.39	1.60	0.88	0.70	0.62	0.53	0.41	
19		0.20	0.19	0.76	1.81	1.88	2.44	1.57	0.87	0.70	0.62	0.52	0.41	
20		0.20	0.19	0.76	1.89	1.85	2.65	1.55	0.87	0.70	0.61	0.52	0.40	
21		0.20	0.19	0.81	2.04	1.88	2.81	1.53	0.86	0.69	0.59	0.52	0.40	
22		0.20	0.19	0.83	2.11	1.90	2.98	1.49	0.85	0.69	0.58	0.52	0.39	
23		0.20	0.19	0.88	2.14	1.89	2.98	1.38	0.84	0.69	0.58	0.51	0.38	
24		0.19	0.20	0.93	1.96	2.01	2.95	1.27	0.83	0.68	0.58	0.51	0.38	
25		0.19	0.23	1.00	2.06	2.18	2.86	1.25	0.82	0.68	0.57	0.51	0.37	
26		0.19	0.25	1.08	2.02	2.23	2.77	1.22	0.82	0.67	0.57	0.50	0.37	
27		0.19	0.28	1.12	2.00	2.15	2.76	1.19	0.82	0.66	0.57	0.50	0.37	
28		0.18	0.30	1.27	1.98	2.05	2.76	1.16	0.81	0.65	0.56	0.49	0.37	
29		0.18	0.33	1.37	1.98		2.75	1.13	0.80	0.65	0.56	0.49	0.37	
30		0.17	0.41	1.35	1.98		2.73	1.10	0.80	0.65	0.56	0.49	0.36	
31		0.16		1.38	1.98		2.69		0.79		0.55	0.49		
MEAN		0.20	0.20	0.76	1.93	2.03	2.39	1.72	0.91	0.72	0.61	0.53	0.42	1.03
MAX.		0.23	0.41	1.38	2.17	2.33	2.98	2.47	1.09	0.79	0.64	0.55	0.48	2.98
MIN.		0.16	0.15	0.48	1.44	1.85	1.55	1.10	0.79	0.65	0.55	0.49	0.36	0.15

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1974/75	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1		16.0	13.4	28.9	101.7	174.2	113.1	232.7	69.5	46.3	36.8	31.2	27.7	
2		15.8	13.3	29.4	113.4	165.8	112.5	226.6	68.7	45.2	36.8	31.2	27.6	
3		15.7	13.1	29.2	121.8	153.4	115.4	202.8	66.9	44.6	36.6	31.1	27.3	
4		15.6	13.1	28.6	129.3	165.0	134.6	193.7	65.7	44.4	36.6	30.9	27.1	
5		15.5	13.0	27.4	146.6	153.4	178.2	191.2	64.0	44.2	36.6	30.9	26.8	
6		15.5	12.9	27.6	162.6	197.6	208.5	186.9	62.7	44.0	36.4	30.9	26.5	
7		15.3	12.9	27.7	172.2	198.4	214.8	180.3	61.5	43.8	36.4	30.9	26.5	
8		15.2	12.8	27.9	167.4	207.2	215.7	173.0	60.1	43.6	36.4	30.9	26.3	
9		15.2	12.8	28.2	165.8	203.2	203.2	168.6	59.4	43.6	36.2	30.9	26.2	
10		15.2	12.7	28.9	189.1	211.6	178.7	164.2	58.2	43.6	36.2	30.9	25.8	
11		15.1	12.9	29.7	182.8	187.8	170.5	157.2	57.3	43.2	36.0	30.9	25.7	
12		15.0	13.5	29.7	172.6	165.8	173.8	151.9	56.4	43.2	35.9	30.7	25.5	
13		14.9	13.8	29.1	158.4	158.7	190.7	145.9	55.2	43.0	35.9	30.7	25.2	
14		14.9	13.9	32.6	156.6	151.5	211.2	137.8	55.0	43.0	35.9	30.6	24.9	
15		14.8	13.9	43.0	153.0	154.1	219.7	126.2	54.7	42.8	35.7	30.6	24.8	
16		14.6	14.2	46.9	149.6	156.4	224.8	122.8	54.5	41.4	35.7	30.4	24.5	
17		14.6	14.4	45.6	146.2	155.3	221.6	120.1	54.1	40.6	35.7	30.4	24.3	
18		14.6	14.5	44.8	154.9	154.5	220.6	118.1	52.9	40.6	35.5	30.1	24.0	
19		14.5	14.3	44.0	142.6	150.7	227.5	115.4	52.1	40.2	35.3	29.9	23.7	
20		14.6	14.3	44.4	152.6	147.4	260.6	113.4	51.6	40.2	34.8	29.7	23.6	
21		14.6	14.2	47.7	171.8	150.7	288.5	110.8	51.2	39.8	33.5	29.7	23.3	
22		14.5	14.3	48.8	180.3	153.8	318.5	106.4	50.5	39.6	33.2	29.5	23.0	
23		14.5	14.4	52.7	185.3	152.2	318.5	95.9	49.4	39.4	33.0	29.2	22.7	
24		14.4	14.6	56.4	160.7	167.0	313.0	85.4	48.8	39.2	32.8	29.1	22.5	
25		14.4	16.0	61.5	174.6	190.3	296.9	83.1	48.6	38.9	32.6	28.9	22.2	
26		14.3	16.7	67.9	168.6	198.0	280.8	80.1	48.4	38.5	32.6	28.7	22.1	
27		14.2	17.8	71.3	166.6	186.5	279.2	77.6	48.2	37.7	32.5	28.4	21.9	
28		14.1	18.6	85.4	163.8	173.0	279.7	75.2	47.7	37.3	32.1	28.2	21.8	
29		13.9	20.0	94.4	163.8		277.7	72.3	47.3	37.2	32.1	28.1	21.8	
30		13.5	24.0	92.6	164.2		275.1	70.2	46.7	37.0	31.9	27.9	21.7	
31		13.4		95.3	164.2		268.1		46.5		31.6	27.9		
MEAN		14.8	14.7	46.7	158.2	170.8	225.5	136.2	55.3	41.5	34.8	30.0	24.6	78.9
MAX.		16.0	24.0	95.3	189.1	211.6	318.5	232.7	69.5	46.3	36.8	31.2	27.7	318.5
MIN.		13.4	12.7	27.4	101.7	147.4	112.5	70.2	46.5	37.0	31.6	27.9	21.7	12.7

[Discharge Rating Curve]: $Q = 25.326 * (H + 0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 142.6 Q(185day): 40.6 Q(275day): 27.6 Q(355day): 13.4

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1975/76	[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	0.36	0.27	0.29	0.94	1.81	2.51	3.13	2.14	1.23	0.98	0.84	0.69			
2	0.36	0.27	0.31	0.94	1.82	2.59	3.05	2.10	1.20	0.98	0.84	0.69			
3	0.36	0.26	0.33	0.94	1.75	2.53	3.04	2.04	1.18	0.98	0.84	0.68			
4	0.35	0.25	0.34	0.93	1.73	2.55	2.95	1.98	1.16	0.97	0.83	0.68			
5	0.35	0.25	0.35	0.93	1.73	2.59	2.83	1.94	1.15	0.97	0.83	0.68			
6	0.34	0.24	0.37	0.98	1.74	2.66	3.10	1.92	1.14	0.97	0.82	0.67			
7	0.34	0.25	0.37	1.17	1.71	2.72	3.23	1.93	1.13	0.96	0.82	0.66			
8	0.34	0.24	0.37	1.25	1.67	2.79	3.29	1.91	1.13	0.96	0.81	0.65			
9	0.33	0.24	0.37	1.33	1.61	2.90	3.40	1.87	1.12	0.95	0.81	0.64			
10	0.33	0.24	0.37	1.39	1.70	2.85	3.40	1.83	1.10	0.95	0.81	0.64			
11	0.33	0.23	0.41	1.44	1.48	2.66	3.54	1.76	1.10	0.95	0.80	0.61			
12	0.33	0.23	0.45	1.55	1.45	2.57	3.43	1.74	1.09	0.94	0.78	0.60			
13	0.32	0.23	0.45	1.69	1.44	2.59	3.32	1.70	1.08	0.94	0.78	0.60			
14	0.32	0.23	0.47	1.77	1.46	2.62	3.28	1.65	1.07	0.94	0.78	0.60			
15	0.32	0.23	0.48	1.82	1.48	2.63	3.18	1.61	1.07	0.93	0.78	0.59			
16	0.31	0.24	0.50	1.80	1.50	2.64	3.23	1.58	1.06	0.92	0.77	0.59			
17	0.30	0.24	0.54	1.81	1.49	2.66	3.26	1.55	1.05	0.91	0.77	0.59			
18	0.29	0.24	0.60	1.88	1.46	2.68	3.26	1.53	1.04	0.90	0.76	0.59			
19	0.28	0.25	0.62	1.88	1.41	2.61	3.25	1.49	1.04	0.89	0.75	0.58			
20	0.28	0.25	0.69	1.86	1.41	2.59	3.15	1.46	1.03	0.89	0.74	0.58			
21	0.27	0.25	0.72	1.84	1.60	2.77	3.01	1.43	1.03	0.88	0.75	0.58			
22	0.27	0.27	0.80	1.80	2.13	3.01	2.91	1.41	1.02	0.88	0.74	0.57			
23	0.27	0.28	0.91	1.70	2.15	3.11	2.82	1.40	1.01	0.88	0.74	0.57			
24	0.27	0.27	0.93	1.66	2.08	3.51	2.76	1.38	1.01	0.88	0.73	0.57			
25	0.27	0.27	0.95	1.63	2.02	3.49	2.71	1.37	1.01	0.88	0.73	0.58			
26	0.26	0.26	0.97	1.54	2.22	3.56	2.65	1.35	1.00	0.87	0.73	0.59			
27	0.26	0.26	0.99	1.50	2.30	3.53	2.58	1.33	1.00	0.87	0.73	0.59			
28	0.27	0.26	0.97	1.59	2.33	3.51	2.51	1.32	0.99	0.87	0.73	0.60			
29	0.27	0.27	0.96	1.62	2.41	3.45	2.37	1.30	0.99	0.86	0.73	0.61			
30	0.27	0.27	0.94	1.66		3.34	2.23	1.26	0.98	0.85	0.72	0.62			
31	0.27		0.94	1.73		3.27		1.24		0.84	0.71				

MEAN 0.31 0.25 0.61 1.50 1.76 2.89 3.03 1.63 1.07 0.92 0.77 0.62 1.28
MAX. 0.36 0.28 0.99 1.88 2.41 3.56 3.54 2.14 1.23 0.98 0.84 0.69 3.56
MIN. 0.26 0.23 0.29 0.93 1.41 2.51 2.23 1.24 0.98 0.84 0.71 0.57 0.23

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1975/76	[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1	21.5	17.5	18.5	57.3	142.6	238.3	345.3	184.9	80.9	60.3	49.9	40.0			
2	21.4	17.3	19.4	57.3	144.0	251.3	330.6	179.1	79.0	59.9	49.9	39.4			
3	21.4	17.2	20.1	57.0	135.0	242.6	328.9	171.8	77.1	59.9	49.4	39.2			
4	21.1	16.8	20.7	56.6	132.8	245.0	311.9	164.2	75.2	59.6	49.2	39.0			
5	20.9	16.6	21.2	56.4	133.5	251.7	291.1	158.0	73.9	59.4	49.0	38.9			
6	20.8	16.4	21.8	60.3	134.3	263.1	339.6	156.0	73.1	59.1	48.4	38.7			
7	20.5	16.6	21.8	76.3	130.4	273.6	363.8	157.2	72.8	58.9	48.2	37.7			
8	20.4	16.4	21.8	83.1	126.2	284.9	376.7	154.1	72.3	58.4	47.9	37.0			
9	20.3	16.4	21.8	90.3	119.1	304.4	397.9	150.4	71.5	58.2	47.5	36.6			
10	20.1	16.3	22.1	96.2	129.3	295.3	397.3	144.4	70.2	58.2	47.5	36.6			
11	20.0	16.1	23.7	101.1	105.1	263.6	425.9	136.4	69.7	58.0	47.1	34.6			
12	20.0	15.8	25.8	113.4	102.9	248.3	403.4	134.3	69.2	57.5	45.8	34.4			
13	19.7	15.7	26.2	128.6	101.7	251.7	381.5	129.7	68.2	57.3	45.4	34.2			
14	19.6	15.7	26.9	138.2	103.9	256.6	373.2	124.1	67.2	56.8	45.6	34.0			
15	19.6	15.8	27.7	143.3	106.1	258.6	354.5	119.7	67.2	56.4	45.4	33.9			
16	19.3	16.3	28.7	140.7	107.3	260.1	364.3	116.1	66.9	55.9	45.2	33.9			
17	19.0	16.4	30.7	142.6	106.7	263.6	370.2	113.4	65.9	54.7	44.8	33.5			
18	18.2	16.4	34.2	151.1	103.9	265.6	370.8	110.5	65.2	53.8	44.0	33.3			
19	18.1	16.6	35.5	150.7	98.6	254.7	367.3	107.0	64.7	53.4	43.6	33.2			
20	18.0	16.6	39.4	148.1	98.6	251.3	348.7	103.9	64.5	53.2	43.2	33.0			
21	17.7	16.7	41.6	146.6	118.1	281.8	323.9	100.8	64.0	52.9	43.4	33.0			
22	17.6	17.3	47.1	140.7	183.6	322.8	306.0	98.9	63.2	52.9	43.0	32.6			
23	17.6	17.8	55.0	130.0	186.1	341.3	289.1	97.4	62.7	52.7	42.8	32.5			
24	17.5	17.6	56.1	125.2	176.6	420.8	280.3	95.9	62.3	52.7	42.6	32.5			
25	17.3	17.3	58.0	122.1	168.6	416.4	271.1	94.7	62.3	52.5	42.4	32.8			
26	17.2	17.2	59.4	111.8	195.4	430.3	261.6	92.3	62.0	52.3	42.2	33.3			
27	17.1	17.1	60.8	108.0	206.7	424.0	250.3	90.8	61.8	52.1	42.2	33.9			
28	17.3	17.2	59.6	117.4	212.5	420.2	239.2	89.7	61.3	51.8	42.0	34.2			
29	17.5	17.7	58.4	120.1	224.3	407.7	217.5	87.4	60.8	51.4	42.0	34.6			
30	17.5	17.7	57.5	124.5		386.3	196.7	84.5	60.6	50.7	41.6	35.1			
31	17.3		57.5	132.8		371.4		82.3		50.1	41.2				

MEAN 19.1 16.8 36.1 110.6 139.1 304.8 329.3 123.5 67.9 55.5 45.2 35.2 106.7
MAX. 21.5 17.8 60.8 151.1 224.3 430.3 425.9 184.9 80.9 60.3 49.9 40.0 430.3
MIN. 17.1 15.7 18.5 56.4 98.6 238.3 196.7 82.3 60.6 50.1 41.2 32.5 15.7

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 133.5 Q(185day): 59.4 Q(275day): 34.0 Q(365day): 16.4

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

HM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1976/77	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.62	0.44	0.50	0.98	1.65	1.97	2.43	1.41	0.91	0.81	0.70	0.59			
2	0.62	0.44	0.49	0.98	1.63	2.01	2.39	1.41	0.91	0.80	0.69	0.56			
3	0.62	0.45	0.51	0.94	1.62	2.05	2.27	1.39	0.90	0.80	0.69	0.56			
4	0.61	0.45	0.51	0.90	1.60	2.08	2.15	1.38	0.90	0.80	0.69	0.56			
5	0.60	0.45	0.50	0.88	1.58	2.12	2.11	1.36	0.89	0.80	0.68	0.55			
6	0.60	0.46	0.50	0.87	1.55	2.16	2.07	1.35	0.88	0.80	0.68	0.55			
7	0.59	0.46	0.50	0.86	1.55	2.36	2.04	1.34	0.88	0.81	0.68	0.55			
8	0.56	0.46	0.50	0.86	1.56	2.67	2.01	1.33	0.88	0.79	0.68	0.55			
9	0.55	0.46	0.50	0.90	1.55	2.80	2.03	1.32	0.88	0.78	0.68	0.55			
10	0.55	0.46	0.50	0.95	1.53	2.84	2.03	1.31	0.87	0.77	0.68	0.55			
11	0.54	0.46	0.52	1.00	1.51	2.82	2.00	1.30	0.87	0.77	0.68	0.55			
12	0.53	0.46	0.59	1.07	1.49	2.80	1.99	1.26	0.87	0.77	0.68	0.55			
13	0.53	0.45	0.61	1.11	1.43	2.78	1.97	1.13	0.87	0.76	0.68	0.55			
14	0.52	0.45	0.63	1.16	1.41	2.76	1.96	1.14	0.87	0.76	0.67	0.54			
15	0.52	0.45	0.70	1.21	1.41	2.71	1.94	1.10	0.87	0.76	0.67	0.54			
16	0.52	0.45	0.77	1.25	1.43	2.83	1.93	1.05	0.87	0.76	0.67	0.53			
17	0.51	0.45	0.82	1.33	1.46	2.37	1.91	1.05	0.86	0.75	0.67	0.52			
18	0.51	0.45	0.83	1.35	1.44	2.58	1.90	1.04	0.86	0.74	0.67	0.51			
19	0.50	0.45	0.84	1.38	1.42	2.70	1.88	1.02	0.86	0.74	0.66	0.50			
20	0.50	0.47	0.83	1.43	1.41	2.86	1.87	1.01	0.86	0.74	0.66	0.48			
21	0.50	0.48	0.81	1.47	1.39	2.96	1.85	1.00	0.86	0.73	0.66	0.47			
22	0.50	0.49	0.80	1.52	1.40	3.05	1.83	0.99	0.86	0.73	0.65	0.46			
23	0.51	0.50	0.77	1.56	1.42	3.15	1.82	0.98	0.85	0.73	0.64	0.45			
24	0.51	0.51	0.77	1.59	1.41	3.07	1.80	0.98	0.85	0.73	0.64	0.45			
25	0.51	0.52	0.80	1.69	1.41	3.01	1.78	0.97	0.85	0.72	0.64	0.45			
26	0.50	0.52	0.86	1.72	1.46	2.85	1.76	0.96	0.84	0.72	0.64	0.44			
27	0.48	0.52	0.88	1.75	1.47	2.72	1.73	0.95	0.84	0.69	0.64	0.44			
28	0.47	0.52	0.87	1.72	1.53	2.63	1.63	0.94	0.83	0.71	0.64	0.43			
29	0.46	0.51	0.87	1.68		2.58	1.57	0.91	0.83	0.71	0.63	0.43			
30	0.45	0.50	0.87	1.63		2.54	1.42	0.91	0.81	0.71	0.63	0.43			
31	0.45		0.91	1.66		2.50		0.91		0.70	0.63				
MEAN	0.53	0.47	0.69	1.27	1.49	2.62	1.94	1.14	0.87	0.75	0.66	0.51	1.08		
MAX.	0.62	0.52	0.91	1.75	1.65	3.15	2.43	1.41	0.91	0.81	0.70	0.59	3.15		
MIN.	0.45	0.44	0.49	0.86	1.39	1.97	1.42	0.91	0.81	0.69	0.63	0.43	0.43		

QM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1976/77	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	35.5	25.5	28.4	60.1	124.1	161.8	226.1	98.9	54.7	47.5	40.2	33.9			
2	35.7	25.5	28.2	60.6	122.1	167.8	220.2	98.0	54.5	47.3	39.8	31.9			
3	35.5	25.7	28.9	57.0	120.1	172.6	202.8	96.8	54.3	47.1	39.4	31.8			
4	34.8	26.0	29.1	54.3	118.1	177.4	186.9	95.3	54.1	46.9	39.4	31.8			
5	34.4	26.2	28.7	52.9	116.1	182.4	180.7	93.5	53.4	46.9	39.2	31.6			
6	34.0	26.3	28.7	52.3	113.4	187.4	175.4	92.6	52.9	46.7	39.2	31.6			
7	33.3	26.5	28.7	51.0	113.4	218.8	170.9	91.7	52.7	47.7	39.2	31.4			
8	31.9	26.6	28.6	51.4	113.8	265.1	167.8	90.3	52.7	46.3	39.0	31.2			
9	31.4	26.6	28.6	54.1	113.4	285.9	170.1	89.4	52.5	45.8	39.0	31.2			
10	31.2	26.6	28.7	58.0	110.8	293.8	170.5	88.5	52.3	44.8	38.9	31.1			
11	30.7	26.6	29.9	61.8	108.6	290.1	166.2	87.4	52.3	44.6	38.9	31.1			
12	30.2	26.3	33.5	67.4	106.7	285.9	165.4	84.0	52.3	44.6	38.9	31.1			
13	30.1	26.0	34.6	70.8	100.8	282.3	162.6	72.8	52.1	44.4	38.9	31.1			
14	29.9	25.8	36.0	75.5	98.9	280.3	160.7	73.1	52.1	44.2	38.7	30.9			
15	29.9	25.7	40.4	79.5	98.6	270.6	158.4	70.0	52.1	44.2	38.7	30.6			
16	29.5	25.7	44.6	83.4	100.4	257.6	156.8	66.2	51.6	44.0	38.5	30.1			
17	29.2	25.7	48.2	90.6	103.5	218.4	155.3	65.9	51.4	43.6	38.5	29.7			
18	29.2	26.0	49.2	92.3	101.7	250.8	153.0	64.7	51.2	43.2	38.3	29.2			
19	28.7	26.2	49.9	95.9	99.8	269.6	151.1	63.5	51.2	42.8	38.1	28.6			
20	28.7	26.9	49.0	100.1	98.0	295.9	149.2	62.7	51.0	42.8	37.9	27.7			
21	28.6	27.4	47.9	104.8	96.5	314.1	147.7	61.5	51.0	42.6	37.7	26.9			
22	28.7	27.9	46.9	110.2	97.7	330.6	145.1	60.8	51.0	42.4	37.2	26.3			
23	28.9	28.7	45.2	114.4	99.5	348.1	143.7	60.3	50.7	42.2	36.6	26.2			
24	28.9	29.1	45.2	117.4	98.6	334.0	141.5	59.9	50.5	42.0	36.6	25.8			
25	28.9	29.7	47.3	127.9	98.0	323.4	138.6	59.1	50.5	41.8	36.6	25.7			
26	28.4	29.9	51.0	131.8	103.5	295.3	136.4	58.9	50.1	41.6	36.6	25.4			
27	27.4	29.9	52.7	135.7	104.8	273.1	133.2	58.2	49.7	39.4	36.4	25.2			
28	26.9	29.7	52.1	131.4	110.5	257.6	122.1	57.5	49.2	41.0	36.4	24.9			
29	26.5	29.2	51.6	126.9		250.3	114.8	55.0	48.8	41.0	36.2	24.9			
30	26.0	28.7	52.1	121.8		243.1	99.5	55.0	47.5	40.8	36.0	24.8			
31	25.7		54.5	125.5		236.9		54.7		40.6	36.0				
MEAN	30.3	27.1	40.3	87.6	106.8	258.7	159.1	73.8	51.7	43.9	38.1	29.1	78.8		
MAX.	35.7	29.9	54.5	135.7	124.1	348.1	226.1	98.9	54.7	47.7	40.2	33.9	348.1		
MIN.	25.7	25.5	28.2	51.0	96.5	161.8	99.5	54.7	47.5	39.4	36.0	24.8	24.8		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 98.9 Q(185day): 49.7 Q(275day): 31.8 Q(355day): 25.7

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

HM	ST.: 4-560 CHIPUMPA PONTOON													YEAR : 1977/78			[WATER LEVEL (m)]		
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL					
1	0.43	0.40	0.49	2.31	3.42	3.62	7.15	4.51	1.90	1.52	1.23	1.01	1.01						
2	0.43	0.36	0.53	2.14	3.47	3.58	6.73	4.41	1.89	1.48	1.22	1.00	1.00						
3	0.42	0.32	0.66	1.97	3.54	3.54	6.48	4.30	1.88	1.47	1.21	1.00	1.00						
4	0.42	0.32	0.69	1.88	3.54	3.49	6.40	4.22	1.85	1.46	1.21	0.99	0.99						
5	0.42	0.32	0.74	1.89	3.43	3.35	6.27	4.14	1.83	1.46	1.20	0.98	0.98						
6	0.42	0.32	0.83	1.93	3.30	3.31	6.07	4.03	1.83	1.45	1.20	0.97	0.97						
7	0.42	0.31	0.87	1.98	3.20	3.20	5.77	3.76	1.81	1.44	1.19	0.96	0.96						
8	0.42	0.30	0.90	2.06	3.09	3.20	5.49	3.21	1.79	1.43	1.19	0.95	0.95						
9	0.42	0.30	0.92	2.08	2.98	3.31	5.09	3.06	1.77	1.41	1.18	0.94	0.94						
10	0.41	0.30	0.96	2.15	2.88	3.55	4.82	3.02	1.76	1.41	1.17	0.94	0.94						
11	0.40	0.30	1.02	2.21	2.77	3.69	4.65	2.99	1.75	1.40	1.16	0.94	0.94						
12	0.38	0.30	1.05	2.25	2.74	3.84	4.47	2.95	1.73	1.38	1.15	0.93	0.93						
13	0.37	0.30	1.07	2.25	2.72	3.92	4.28	2.83	1.73	1.38	1.15	0.92	0.92						
14	0.37	0.30	1.09	2.30	2.73	3.96	4.19	2.75	1.72	1.37	1.14	0.91	0.91						
15	0.49	0.30	1.11	2.34	2.93	4.04	4.00	2.56	1.71	1.37	1.12	0.90	0.90						
16	0.61	0.30	1.12	2.46	3.09	4.12	3.92	2.43	1.70	1.37	1.12	0.90	0.90						
17	0.60	0.31	1.15	2.49	3.17	4.22	4.02	2.32	1.70	1.35	1.11	0.89	0.89						
18	0.59	0.31	1.20	2.43	3.14	4.27	4.12	2.18	1.69	1.33	1.10	0.88	0.88						
19	0.58	0.31	1.21	2.47	3.19	4.31	4.19	2.00	1.68	1.32	1.09	0.88	0.88						
20	0.56	0.31	1.25	2.44	3.45	4.37	4.34	1.94	1.68	1.31	1.08	0.87	0.87						
21	0.55	0.31	1.28	2.34	3.71	4.48	4.75	1.91	1.68	1.30	1.07	0.86	0.86						
22	0.54	0.31	1.33	2.26	3.97	4.85	4.95	1.86	1.68	1.30	1.07	0.85	0.85						
23	0.52	0.32	1.40	2.23	4.16	4.87	5.18	1.83	1.67	1.30	1.06	0.84	0.84						
24	0.51	0.33	1.44	2.22	4.24	5.20	5.39	1.79	1.65	1.30	1.05	0.82	0.82						
25	0.50	0.34	1.49	2.31	4.26	5.59	5.50	1.80	1.64	1.29	1.03	0.82	0.82						
26	0.49	0.37	1.57	2.40	4.11	5.94	5.46	1.83	1.62	1.28	1.02	0.81	0.81						
27	0.48	0.43	1.70	2.48	3.97	6.68	5.34	1.85	1.60	1.27	1.01	0.81	0.81						
28	0.46	0.49	1.94	2.58	3.82	6.77	5.11	1.88	1.58	1.26	1.01	0.80	0.80						
29	0.44	0.54	2.16	2.83		7.00	4.97	1.90	1.56	1.24	1.01	0.80	0.80						
30	0.43	0.51	2.29	3.01		7.39	4.68	1.91	1.54	1.23	1.01	0.79	0.79						
31	0.42		2.37	3.28		7.62		1.92		1.23	1.01								
MEAN	0.47	0.34	1.22	2.32	3.39	4.56	5.13	2.71	1.72	1.36	1.11	0.90	2.09						
MAX.	0.61	0.54	2.37	3.28	4.26	7.62	7.15	4.51	1.90	1.52	1.23	1.01	7.62						
MIN.	0.37	0.30	0.49	1.88	2.72	3.20	3.92	1.79	1.54	1.23	1.01	0.79	0.30						

QM	ST.: 4-560 CHIPUMPA PONTOON													YEAR : 1977/78			[DISCHARGE (m3/sec)]		
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL					
1	24.8	23.4	28.2	208.5	400.9	442.5	1507.7	651.0	153.4	109.6	81.2	62.3	62.3						
2	24.8	21.4	30.2	184.9	411.4	435.4	1347.8	625.4	151.9	105.7	80.4	62.0	62.0						
3	24.6	19.8	37.5	162.6	425.2	427.1	1257.0	599.6	151.1	104.8	79.8	61.5	61.5						
4	24.6	19.7	40.0	151.5	425.2	415.8	1227.8	579.5	147.7	103.9	79.3	61.1	61.1						
5	24.6	19.6	42.8	152.6	403.4	388.1	1181.0	560.5	145.5	103.5	79.0	60.3	60.3						
6	24.5	19.6	48.8	157.6	377.3	379.7	1113.4	534.6	144.8	102.9	78.4	59.1	59.1						
7	24.3	19.4	52.3	163.8	358.5	358.5	1015.4	472.7	142.6	102.0	77.9	58.4	58.4						
8	24.3	19.0	53.8	174.2	337.3	357.9	926.5	359.7	140.0	100.1	77.4	58.0	58.0						
9	24.3	18.9	55.9	177.4	317.4	379.1	810.0	332.8	138.2	98.6	76.8	57.5	57.5						
10	23.9	18.9	58.7	186.1	300.1	429.1	735.0	324.5	136.8	98.0	76.0	57.0	57.0						
11	23.3	18.9	63.2	195.0	280.8	458.8	686.7	319.0	135.0	97.4	75.5	56.8	56.8						
12	22.5	19.0	65.4	199.7	276.2	490.9	640.9	312.5	133.5	95.9	74.2	56.1	56.1						
13	22.1	19.0	67.7	199.7	272.6	508.7	592.9	292.2	132.8	95.3	73.9	55.7	55.7						
14	21.9	19.0	69.5	208.1	275.1	518.4	572.9	278.2	131.8	95.0	73.1	55.0	55.0						
15	27.9	19.0	71.0	213.4	309.2	536.7	526.1	246.4	130.7	94.7	72.1	54.1	54.1						
16	34.6	19.0	71.5	231.2	338.5	555.4	509.4	226.6	129.7	94.1	71.5	53.8	53.8						
17	34.2	19.2	74.4	236.4	352.7	578.0	531.8	209.8	129.3	92.6	70.8	53.6	53.6						
18	33.7	19.2	78.4	227.1	346.4	590.6	556.1	189.9	128.3	90.8	70.0	52.9	52.9						
19	33.2	19.2	79.5	232.7	357.3	601.1	572.1	165.8	127.6	89.4	68.7	52.7	52.7						
20	32.1	19.3	82.8	228.9	407.1	617.0	607.9	158.4	127.2	88.8	68.2	51.8	51.8						
21	31.6	19.3	85.7	213.9	462.1	643.2	715.1	154.9	126.9	88.2	67.7	51.2	51.2						
22	30.7	19.4	90.8	202.4	519.8	740.8	769.4	148.9	126.9	87.9	67.4	50.5	50.5						
23	29.9	19.6	97.7	197.6	564.8	747.5	836.4	144.8	126.2	87.9	66.4	49.4	49.4						
24	29.1	20.3	101.7	196.3	583.9	840.8	898.7	139.6	124.1	87.4	65.4	48.6	48.6						
25	28.4	20.8	106.7	209.0	587.7	959.5	931.2	141.8	122.4	86.8	64.5	48.4	48.4						
26	27.9	22.2	114.8	222.0	553.9	1069.9	919.0	144.4	120.8	85.9	63.2	47.9	47.9						
27	27.4	25.1	130.0	234.1	519.8	1329.8	881.3	147.0	118.7	85.4	63.0	47.5	47.5						
28	26.6	28.2	158.0	250.3	486.1	1362.5	813.5	150.7	116.4	84.0	62.7	47.3	47.3						
29	25.5	30.7	187.4	291.7		1446.4	776.3	153.8	113.8	82.3	62.5	46.7	46.7						
30	24.9	29.1	205.4	323.9		1603.3	694.8	155.3	111.5	81.7	62.5	46.5	46.5						
31	24.5		218.4	373.8		1694.2		155.7		81.5	62.3								
MEAN	27.0	20.8	86.1	213.1	401.8	706.7	838.5	292.8	132.2	93.6	71.3	54.1	243.4						
MAX.	34.6	30.7	218.4	373.8	587.7	1694.2	1507.7	651.0	153.4	109.6	81.2	62.3	1694.2						
MIN.	21.9	18.9	28.2	151.5	272.6	357.9	509.4	139.6	111.5	81.5	62.3	46.5	18.9						

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 319.0 Q(185day): 114.8 Q(275day): 57.0 Q(355day): 19.2

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR: 1978/79	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.79	0.74	1.17	2.15				2.62	1.74	1.46	1.28	1.05		
2	0.78	0.76	1.18	2.17				2.68	1.74	1.46	1.27	1.04		
3	0.78	0.78	1.16	2.19				2.61	1.74	1.46	1.26	1.03		
4	0.77	0.80	1.13	2.21				2.58	1.74	1.43	1.25	1.03		
5	0.77	0.81	1.11	2.25				2.50	1.74	1.43	1.25	1.03		
6	0.76	0.83	1.10	2.28				2.42	1.71	1.43	1.24	1.02		
7	0.75	0.87	1.15	2.28				2.36	1.68	1.43	1.23	0.98		
8	0.74	0.99	1.23	2.28				2.33	1.68	1.43	1.22	0.97		
9	0.72	1.06	1.33	2.23				2.29	1.68	1.40	1.22	0.97		
10	0.71	1.07	1.37	2.20				2.24	1.65	1.40	1.21	0.95		
11	0.71	1.07	1.41	2.14				2.19	1.65	1.40	1.20	0.94		
12	0.69	1.07	1.44	2.10				2.16	1.62	1.40	1.19	0.93		
13	0.69	1.08	1.49	2.04				2.12	1.62	1.37	1.18	0.93		
14	0.68	1.08	1.51	1.98				2.10	1.62	1.37	1.17	0.92		
15	0.68	1.09	1.53	1.92				2.10	1.59	1.37	1.17	0.91		
16	0.66	1.09	1.55	1.92				2.35	1.58	1.37	1.16	0.91		
17	0.65	1.09	1.58					2.05	1.55	1.37	1.16	0.91		
18	0.64	1.09	1.61						1.55	1.34	1.14	0.90		
19	0.64	1.10	1.62						1.52	1.35	1.14	0.89		
20	0.63	1.10	1.65						1.52	1.35	1.13	0.88		
21	0.62	1.10	1.67						1.52	1.35	1.12	0.88		
22	0.62	1.10	1.74						1.52	1.35	1.12	0.87		
23	0.64	1.10	1.90						1.52	1.35	1.11	0.86		
24	0.66	1.10	2.08						1.52	1.51	1.10	0.85		
25	0.67	1.11	2.13						1.52	1.34	1.09	0.84		
26	0.69	1.12	2.13						1.49	1.34	1.09	0.83		
27	0.70	1.12	2.13						1.49	1.33	1.08	0.82		
28	0.72	1.10	2.14						1.49	1.31	1.07	0.81		
29	0.73	1.10	2.14						1.49	1.30	1.06	0.81		
30	0.74	1.14	2.14						1.49	1.30	1.06	0.79		
31	0.74		2.14							1.28	1.05			
MEAN	0.70	1.02	1.60	2.15				2.34	1.60	1.38	1.16	0.92	1.34	
MAX.	0.79	1.14	2.14	2.28				2.68	1.74	1.51	1.28	1.05	2.68	
MIN.	0.62	0.74	1.10	1.92				2.05	1.49	1.28	1.05	0.79	0.62	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR: 1978/79	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	46.0	43.2	76.0	185.7	244.3	266.2	436.7	256.6	133.9	103.9	85.9	65.9		
2	45.6	44.4	76.5	189.5	233.8	266.2	436.7	266.6	133.9	103.9	85.4	64.7		
3	45.4	45.6	74.7	192.0	233.8	266.2	436.7	254.2	133.9	103.9	84.5	64.2		
4	45.0	46.9	72.6	194.6	230.3	266.2	441.5	249.3	133.9	100.8	83.1	64.0		
5	44.8	47.9	71.0	199.7	226.8	266.2	441.5	237.4	133.9	100.8	83.1	64.0		
6	44.2	49.0	70.0	205.0	223.4	269.9	441.5	225.7	130.4	100.8	82.6	63.7		
7	43.4	52.3	74.2	205.0	220.0	277.5	441.5	216.6	126.9	100.8	81.7	59.9		
8	42.8	60.8	81.7	204.1	220.0	292.9	441.5	212.1	126.9	100.8	80.4	59.6		
9	41.6	66.9	90.3	197.2	216.7	296.8	436.7	205.4	126.9	97.7	80.1	59.1		
10	41.2	67.2	94.7	193.3	216.7	300.8	436.7	198.9	123.5	97.7	79.5	58.2		
11	40.8	67.4	98.0	185.3	213.3	300.8	431.5	192.4	123.5	97.7	78.4	57.3		
12	40.0	67.4	101.7	179.1	220.0	296.8	427.1	188.2	120.1	97.7	77.6	56.4		
13	39.8	67.9	106.7	171.8	220.0	292.9	422.4	182.0	120.1	94.7	77.1	56.4		
14	39.2	68.2	108.9	163.4	216.7	289.0	422.4	179.9	120.1	94.7	76.3	55.9		
15	38.9	68.5	110.5	156.0	216.7	289.0	417.7	179.9	116.7	94.7	76.3	55.2		
16	37.7	69.0	113.4	155.7	216.7	285.1	422.4	214.3	116.7	94.7	74.9	55.2		
17	37.3	69.5	116.7	193.9	220.0	289.0	417.7	172.2	113.4	94.7	74.7	54.7		
18	36.8	69.5	119.1	193.9	220.0	292.9	417.7	304.8	113.4	91.7	73.6	54.1		
19	36.4	69.7	121.1	197.1	223.4	304.8	408.4	304.8	110.2	92.9	73.1	53.6		
20	36.2	69.7	124.1	203.5	223.4	304.8	403.7	296.8	110.2	92.9	72.3	52.9		
21	35.5	69.7	126.5	206.8	223.4	308.8	399.1	296.8	110.2	92.9	72.1	52.7		
22	35.5	70.0	134.3	210.0	237.2	316.9	399.1	292.9	110.2	92.9	71.5	51.8		
23	36.4	70.0	153.8	220.0	233.8	325.1	394.6	289.0	110.2	92.9	70.5	51.2		
24	37.5	70.2	176.2	223.4	233.8	350.3	394.6	285.1	110.2	108.6	69.7	50.5		
25	38.7	70.8	183.6	223.4	233.8	367.7	390.0	281.3	110.2	91.7	69.2	49.9		
26	39.6	71.3	183.6	223.4	237.2	381.0	385.5	281.3	107.0	91.7	69.0	49.0		
27	40.6	71.5	184.0	223.4	247.9	403.7	381.0	273.7	107.0	90.8	68.5	48.4		
28	41.4	70.0	184.4	223.4	255.1	417.7	381.0	269.9	107.0	88.8	67.2	47.9		
29	42.0	70.0	184.4	237.2		427.1	376.5	266.2	107.0	88.2	66.7	47.5		
30	42.8	73.4	184.4	240.8		431.9	372.1	262.5	107.0	87.4	66.4	46.5		
31	43.2		184.9	240.8		431.9		258.8		85.9	65.9			
MEAN	40.5	63.9	122.0	201.2	227.1	318.6	415.2	245.0	118.5	95.8	75.4	55.7	164.4	
MAX.	46.0	73.4	184.9	240.8	255.1	431.9	441.5	304.8	133.9	108.6	85.9	65.9	441.5	
MIN.	35.5	43.2	70.0	155.7	213.3	266.2	372.1	172.2	107.0	85.9	65.9	46.5	35.5	

[Discharge Rating Curve]: Q=25.326*(H+0.562)^2

[Flow Regime (m3/s)]:

Q(95day): 226.8 Q(185day): 113.4 Q(275day): 70.0 Q(355day): 38.9

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1979/80		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.79	0.88	1.24	2.46	1.80	2.65					1.06	0.85				
2	0.78	0.86	1.28	2.44	1.85	2.60					1.06	0.85				
3	0.77	0.84	1.38	2.39	1.87	2.54					1.06	0.84				
4	0.76	0.80	1.39	2.37	1.93	2.53					1.05	0.84				
5	0.75	0.78	1.38	2.35	2.35	2.63					1.05	0.83				
6	0.74	0.75	1.42	2.33	2.28	2.70					1.04	0.82				
7	0.73	0.72	1.48	2.30	2.25	2.67					1.03	0.82				
8	0.72	0.71	1.45	2.30	2.22	2.87					1.03	0.81				
9	0.72	0.76	1.46	2.31	2.70	3.02					1.02	0.80				
10	0.72	0.81	1.49	2.29	2.73	2.96					1.01	0.79				
11	0.72	0.84	1.51	2.31	2.55	2.91					1.01	0.79				
12	0.72	0.85	1.82	2.28	2.55	2.96					1.01	0.78				
13	0.73	0.87	1.88	2.22	2.56	3.01					1.00	0.77				
14	0.76	0.90	1.92	2.15	2.55	2.68					0.99	0.76				
15	0.76	0.94	1.97	2.01	2.64	2.65					0.98	0.76				
16	0.77	0.98	2.04	1.96	2.62	2.63					0.98	0.76				
17	0.80	1.07	2.06	1.88	2.61	2.61					0.98	0.75				
18	0.83	1.13	2.06	2.13	2.60	2.57					0.97	0.75				
19	0.84	1.17	2.15	1.79	2.57	2.65					0.96	0.74				
20	0.86	1.23	2.17	1.77	2.55	2.70					0.95	0.73				
21	0.88	1.28	2.21	1.70	2.54	2.83					0.93	0.73				
22	0.90	1.30	2.23	1.66	2.52	2.87					0.91	0.73				
23	0.92	1.32	2.27	1.62	2.46	2.88					0.91	0.73				
24	0.94	1.31	2.26	1.61	2.64	2.77					0.91	0.72				
25	0.94	1.29	2.18	1.58	2.63	2.65					0.90	0.71				
26	0.94	1.27	2.30	1.56	2.62	2.55					0.88	0.69				
27	0.94	1.21	2.33	1.51	2.61	2.48					0.88	0.69				
28	0.93	1.22	2.37	1.48	2.62	2.62					0.88	0.67				
29	0.93	1.30	2.39	1.44	2.64	2.56					0.87	0.67				
30	0.92	1.33	2.34	1.20		2.53					0.87	0.66				
31	0.91		2.40	1.18		2.50										
MEAN	0.82	1.02	1.90	1.95	2.45	2.70					0.97	0.76	1.57			
MAX.	0.94	1.33	2.40	2.46	2.73	3.02					1.06	0.85	3.02			
MIN.	0.72	0.71	1.24	1.18	1.80	2.48					0.87	0.66	0.66			

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1979/80		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	46.0	52.7	82.3	231.2	140.7	260.6	250.8	253.3	180.9	87.4	66.7	50.7				
2	45.4	51.0	85.7	228.0	147.4	252.7	251.1	251.5	176.9	86.2	66.4	50.5				
3	44.8	49.9	95.9	220.2	150.0	243.5	251.5	250.1	172.2	85.0	66.4	50.1				
4	44.0	47.1	96.2	217.9	156.8	242.1	251.5	248.3	167.4	83.9	65.9	49.7				
5	43.6	45.6	95.3	215.2	215.2	257.6	251.5	247.5	162.2	83.1	65.4	49.2				
6	42.8	43.8	99.5	211.2	204.5	270.1	252.9	246.1	155.4	82.9	64.7	48.6				
7	42.2	41.4	105.1	207.6	199.7	264.1	254.8	244.3	153.1	81.9	64.2	48.2				
8	41.4	40.8	102.9	207.2	195.4	297.5	257.3	244.0	148.4	81.0	64.0	47.5				
9	41.4	44.0	103.9	208.5	270.1	325.6	257.3	242.2	143.5	80.2	63.5	46.9				
10	41.4	47.5	107.0	205.4	275.1	313.5	259.5	241.1	139.3	79.0	63.0	46.3				
11	41.4	49.7	109.2	208.5	244.5	305.4	259.5	240.4	134.3	78.8	62.3	46.0				
12	41.6	50.5	143.7	204.5	245.0	314.6	260.6	239.4	130.1	77.8	62.3	45.8				
13	42.2	51.8	151.1	196.3	247.4	323.4	263.6	237.2	125.8	75.9	61.8	45.2				
14	44.2	54.3	156.4	185.7	245.5	266.6	262.8	235.8	122.1	76.1	61.1	44.4				
15	44.0	57.5	162.2	167.8	259.1	261.1	263.6	234.8	118.7	75.7	60.6	44.2				
16	44.8	60.1	170.9	160.7	257.1	258.1	265.1	233.8	115.0	75.1	59.9	44.0				
17	47.3	67.7	174.6	151.5	254.2	254.2	265.4	231.3	112.2	74.8	59.9	43.4				
18	48.8	72.6	174.2	183.2	253.2	248.3	265.4	230.3	109.6	74.2	59.4	43.4				
19	50.1	76.0	186.9	140.0	248.3	261.1	266.2	228.2	107.1	72.9	58.7	43.0				
20	51.2	81.7	189.5	137.5	244.5	270.1	266.9	227.2	104.3	72.3	58.2	42.4				
21	52.9	85.7	195.0	129.7	243.5	290.6	268.4	223.8	102.5	72.2	58.4	42.4				
22	54.3	87.9	198.0	124.8	240.7	299.0	269.5	221.1	100.0	71.6	55.2	42.0				
23	55.9	89.4	203.2	121.1	231.7	299.6	269.9	218.4	98.7	70.9	54.7	42.0				
24	57.5	88.5	202.4	119.1	259.1	281.8	269.5	249.7	97.0	70.5	54.5	41.4				
25	57.5	86.8	190.3	116.4	258.1	262.1	267.3	246.1	95.0	70.3	54.1	40.8				
26	57.5	85.4	208.1	114.4	256.1	245.9	263.6	242.5	93.1	69.4	52.9	39.8				
27	57.3	79.5	211.6	109.2	255.2	234.1	261.4	238.7	92.2	68.7	52.9	39.4				
28	56.6	80.6	217.5	105.1	256.6	256.6	259.2	234.4	90.7	68.7	52.5	38.6				
29	56.4	87.9	221.1	102.0	260.1	246.9	257.3	230.3	89.7	68.3	52.1	38.3				
30	55.4	90.8	213.4	79.0		241.6	255.1	208.1	88.7	68.0	51.8	38.1				
31	54.5		222.0	76.8		237.4		186.7		67.8	53.8					
MEAN	48.5	64.9	157.3	164.1	231.6	270.5	260.6	235.7	124.2	76.1	59.5	44.4	144.5			
MAX.	57.5	90.8	222.0	231.2	275.1	325.6	269.9	253.3	180.9	92.9	66.7	50.7	325.6			
MIN.	41.4	40.8	82.3	76.8	140.7	234.1	250.8	186.7	88.7	67.8	51.8	38.1	38.1			

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 238.7 Q(185day): 109.6 Q(275day): 59.9 Q(355day): 41.4

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

HM	ST.: 4-560 CHIFUMPA PONTOON													YEAR: 1980/81	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.66	0.72	0.92	1.36	1.58	3.05	3.47	1.60	1.22	1.06	0.93	0.78			
2	0.66	0.73	0.93	1.36	1.60	3.01	3.34	1.63	1.22	1.06	0.93	0.78			
3	0.66	0.73	0.91	1.37	1.61	3.15	3.16	1.63	1.22	1.05	0.93	0.76			
4	0.66	0.71	0.91	1.37	1.66	3.21	2.95	1.62	1.18	1.05	0.92	0.76			
5	0.69	0.68	0.91	1.39	1.68	3.19	2.93	1.59	1.17	1.04	0.92	0.76			
6	0.69	0.85	0.90	1.38	1.67	3.41	2.74	1.58	1.17	1.04	0.91	0.75			
7	0.70	0.63	0.90	1.40	1.82	3.85	2.62	1.56	1.17	1.04	0.91	0.75			
8	0.68	0.61	0.88	1.36	1.78	4.28	2.51	1.56	1.17	1.03	0.91	0.75			
9	0.66	0.60	0.84	1.33	1.73	4.49	2.42	1.57	1.16	1.03	0.91	0.75			
10	0.65	0.60	0.82	1.38	1.67	4.65	2.34	1.57	1.15	1.02	0.90	0.74			
11	0.62	0.59	0.81	1.35	1.64	4.84	2.31	1.58	1.15	1.02	0.90	0.73			
12	0.61	0.59	0.79	1.32	1.64	5.03	2.26	1.60	1.14	1.02	0.88	0.73			
13	0.59	0.59	0.75	1.26	1.63	5.19	2.23	1.60	1.13	1.02	0.88	0.72			
14	0.59	0.60	0.72	1.15	1.68	5.23	2.24	1.60	1.12	1.01	0.88	0.72			
15	0.58	0.48	0.70	1.14	1.75	5.19	2.32	1.59	1.12	1.01	0.87	0.71			
16	0.57	0.38	0.73	1.11	1.89	5.13	2.02	1.58	1.12	1.00	0.86	0.70			
17	0.57	0.60	0.75	1.11	2.07	5.01	1.96	1.55	1.11	1.00	0.85	0.69			
18	0.57	0.56	0.80	1.45	2.12	4.87	1.93	1.53	1.11	0.99	0.85	0.69			
19	0.57	0.56	0.81	1.23	2.08	4.67	1.84	1.52	1.11	0.99	0.84	0.68			
20	0.58	0.59	0.86	1.24	2.03	4.45	1.80	1.51	1.10	0.98	0.84	0.67			
21	0.59	0.60	0.91	1.25	2.19	4.41	1.76	1.46	1.09	0.98	0.84	0.66			
22	0.60	0.60	0.96	1.25	2.34	4.24	1.72	1.40	1.09	0.98	0.82	0.66			
23	0.62	0.61	1.00	1.26	2.50	4.18	1.69	1.36	1.09	0.98	0.82	0.66			
24	0.64	0.82	1.03	1.30	2.59	3.96	1.66	1.34	1.09	0.98	0.82	0.64			
25	0.66	0.69	1.10	1.35	2.60	3.91	1.63	1.33	1.08	0.97	0.81	0.63			
26	0.68	0.74	1.15	1.48	2.66	3.64	1.61	1.31	1.08	0.97	0.81	0.62			
27	1.01	0.77	1.23	1.59	2.70	3.61	1.59	1.30	1.08	0.96	0.79	0.62			
28	0.69	0.80	1.32	1.62	2.96	3.58	1.57	1.28	1.07	0.96	0.79	0.61			
29	0.70	0.85	1.37	1.64		3.56	1.55	1.27	1.07	0.94	0.79	0.61			
30	0.69	0.89	1.37	1.60		3.55	1.57	1.26	1.07	0.94	0.79	0.61			
31	0.70		1.36	1.59		3.64		1.25		0.94	0.78				
MEAN	0.65	0.65	0.95	1.35	2.00	4.13	2.19	1.49	1.13	1.00	0.86	0.70	1.42		
MAX.	1.01	0.89	1.37	1.64	2.96	5.23	3.47	1.63	1.22	1.06	0.93	0.78	5.23		
MIN.	0.57	0.38	0.70	1.11	1.58	3.01	1.55	1.25	1.07	0.94	0.78	0.61	0.38		

QM	ST.: 4-560 CHIFUMPA PONTOON													YEAR: 1980/81	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	38.1	41.8	55.4	93.5	116.4	331.2	412.1	118.1	80.4	66.7	56.4	45.6			
2	37.9	42.4	56.4	93.8	118.7	322.8	386.3	121.8	80.4	66.4	56.4	45.4			
3	37.5	42.4	55.0	94.7	119.4	348.7	351.6	121.8	80.4	66.2	56.1	44.4			
4	38.1	40.8	55.0	94.7	124.5	360.3	311.9	120.8	77.1	65.9	55.9	44.4			
5	39.4	38.9	54.7	96.2	127.6	356.8	308.1	117.7	76.3	64.7	55.7	44.0			
6	40.0	37.2	54.3	95.6	125.9	400.3	275.7	115.7	76.3	64.7	55.2	43.8			
7	40.2	36.0	54.1	97.4	143.7	492.2	256.6	114.4	76.0	64.7	55.2	43.6			
8	39.0	34.8	52.7	93.8	138.6	592.9	230.3	114.1	75.7	64.2	54.7	43.4			
9	38.1	34.4	49.7	90.8	132.8	645.5	225.7	115.1	74.9	64.0	54.5	43.4			
10	37.2	34.4	48.6	95.3	126.2	687.5	213.9	115.1	74.4	63.7	54.3	43.0			
11	35.5	33.9	47.5	92.6	122.6	738.3	209.4	116.1	74.2	63.5	54.1	42.4			
12	34.6	33.9	46.3	89.4	123.1	790.9	202.4	118.1	73.6	63.5	52.9	42.0			
13	33.9	33.9	43.8	84.2	121.8	838.1	198.0	118.4	72.3	63.2	52.9	41.8			
14	33.5	34.2	41.6	74.2	127.6	848.8	198.4	118.4	72.1	62.3	52.5	41.4			
15	33.0	27.7	40.4	73.1	135.3	837.3	209.8	117.1	71.8	62.3	51.6	41.0			
16	32.6	22.5	42.4	71.0	152.2	819.6	168.6	115.7	71.5	61.8	51.0	40.4			
17	32.6	34.2	43.8	70.5	175.0	787.4	161.1	112.5	71.0	61.5	50.3	40.0			
18	32.5	32.1	47.1	102.9	182.0	747.5	157.2	110.8	71.0	61.1	50.3	39.4			
19	32.3	31.9	47.5	81.7	177.0	692.3	146.6	109.9	70.8	61.1	50.1	39.0			
20	33.0	33.9	51.4	82.3	170.5	635.4	141.8	108.6	69.7	59.9	49.9	38.5			
21	33.9	34.2	54.5	83.1	191.2	627.0	136.8	103.9	69.5	59.9	49.7	38.1			
22	34.4	34.4	58.7	83.1	213.4	584.7	131.4	97.7	69.2	59.9	48.6	37.9			
23	35.5	34.8	61.5	84.2	237.4	570.7	127.9	93.8	69.0	59.9	48.4	37.5			
24	36.4	35.7	64.0	87.9	251.7	517.7	124.5	91.4	69.0	59.9	48.2	36.6			
25	37.5	40.0	70.2	92.3	252.7	506.6	121.8	90.8	68.5	59.4	47.7	36.2			
26	39.0	43.2	74.4	106.1	262.6	447.0	119.7	88.5	68.5	59.4	47.5	35.5			
27	63.0	45.0	81.5	117.7	270.1	439.9	117.1	87.4	68.5	58.7	46.5	35.1			
28	30.4	47.3	89.4	120.4	314.6	433.5	115.1	85.9	67.2	58.7	46.5	34.9			
29	40.2	50.3	94.1	122.4		429.7	113.4	85.4	67.2	57.5	46.0	34.8			
30	40.0	53.6	94.4	118.4		428.4	115.1	84.5	67.2	57.5	46.0	34.8			
31	40.2		93.8	117.7		426.2		83.1		57.0	45.8				
MEAN	37.4	37.3	58.8	93.8	169.8	570.5	199.9	106.9	72.4	61.9	51.3	40.3	125.0		
MAX.	63.0	53.6	94.4	122.4	314.6	848.8	412.1	121.8	80.4	66.7	56.4	45.6	848.8		
MIN.	32.3	22.5	40.4	70.5	116.4	322.8	113.4	83.1	67.2	57.0	45.8	34.8	22.5		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 117.7 Q(185day): 68.5 Q(275day): 45.4 Q(355day): 33.5

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

HM ST.: 4-560 CHIFUMPA PONTOON		YEAR : 1981/82										[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	0.60	0.46	0.64	0.54	1.58	2.09	0.96	0.69	0.69	0.60			
2	0.60	0.47	0.63	0.68	1.58	1.94	0.96	0.69	0.69	0.60			
3	0.60	0.46	0.63	0.74	1.55	1.81	0.97	0.97	0.67	0.60			
4	0.59	0.46	0.62	0.77	1.54	1.68	0.97	0.94	0.67	0.60			
5	0.59	0.46	0.62	0.76	1.52	1.58	0.98	0.93	0.67	0.60			
6	0.59	0.46	0.62	0.77	1.52	1.53	0.98	0.91	0.67	0.60			
7	0.58	0.45	0.62	0.80	1.54	1.51	0.99	0.90	0.66	0.59			
8	0.58	0.44	0.62	0.80	1.55	1.48	1.00	0.88	0.66	0.59			
9	0.58	0.43	0.61	0.76	1.54	1.48	1.02	0.88	0.66	0.59			
10	0.57	0.43	0.60	0.75	1.55	1.50	1.05	0.88	0.66	0.59			
11	0.57	0.42	0.59	0.74	1.54	1.53	1.06	0.88	0.64	0.59			
12	0.57	0.42	0.61	0.78	1.55	1.55	1.07	0.89	0.64	0.59			
13	0.56	0.41	0.60	0.80	1.67	1.57	1.07	0.88	0.64	0.59	0.59		
14	0.56	0.43	0.60	0.80	1.74	1.54	1.07	0.98	0.64	0.59			
15	0.55	0.44	0.59	0.92	1.86	1.49	1.03	0.87	0.64	0.59			
16	0.54	0.45	0.59	1.01	1.99	1.43	1.02	0.86	0.64	0.59			
17	0.54	0.46	0.63	1.04	2.13	1.38	1.01	0.85	0.63	0.59			
18	0.52	0.49	0.64	1.05	2.16	1.36	1.00	0.84	0.63	0.59			
19	0.51	0.50	0.62	1.01	2.08	1.21	0.99	0.82	0.63	0.59			
20	0.50	0.49	0.62	1.01	2.13	1.17	0.99	0.82	0.63	0.59			
21	0.49	0.49	0.61	0.98	2.19	1.15	1.00	0.81	0.63	0.58			
22	0.49	0.48	0.60	1.01	2.21	1.14	1.02	0.79	0.63	0.58			
23	0.49	0.48	0.57	1.01	2.22	1.14	1.02	0.78	0.62	0.58			
24	0.48	0.49	0.55	1.05	2.34	1.13	1.03	0.76	0.62	0.58			
25	0.48	0.49	0.53	1.06	2.32	1.12	1.02	0.75	0.62	0.57			
26	0.48	0.53	0.52	1.06	2.26	1.11	1.00	0.73	0.62	0.57			
27	0.47	0.55	0.52	1.24	2.19	1.09	1.00	0.73	0.62	0.57			
28	0.47	0.56	0.52	1.27	2.18	1.03	1.00	0.72	0.62	0.56			
29	0.46	0.59	0.51	1.45		1.01	1.00	0.70	0.61	0.56			
30	0.46	0.63	0.50	1.66		0.98	1.00	0.70	0.61	0.56			
31	0.46		0.49	1.69		0.97		0.69		0.56			
MEAN	0.53	0.48	0.59	0.97	1.87	1.38	1.01	0.82	0.64	0.59	0.59		0.88
MAX.	0.60	0.63	0.64	1.69	2.34	2.09	1.07	0.97	0.69	0.60	0.59		2.34
MIN.	0.46	0.41	0.49	0.54	1.52	0.97	0.96	0.69	0.61	0.56	0.59		0.41

QM ST.: 4-560 CHIFUMPA PONTOON		YEAR : 1981/82										[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	34.4	26.6	36.4	30.7	116.7	177.8	58.7	39.4	39.4	34.4	33.8	43.4	
2	34.2	27.1	36.2	39.2	115.7	158.0	58.7	39.6	39.4	34.4	54.7	43.2	
3	34.0	26.6	35.9	43.0	112.5	142.6	59.4	59.1	38.5	34.4	54.4	42.7	
4	33.9	26.3	35.7	44.8	111.8	127.2	59.4	57.5	38.5	34.2	54.4	42.3	
5	33.9	26.3	35.7	44.0	110.2	116.1	59.9	56.6	38.5	34.2	53.9	42.3	
6	33.5	26.6	35.7	45.0	109.6	111.2	59.9	55.0	38.5	34.0	53.6	43.2	
7	33.0	26.2	35.5	47.1	111.5	109.2	61.1	54.1	38.1	33.9	53.4	42.7	
8	33.0	25.5	35.1	47.1	112.5	105.4	61.3	52.9	38.1	33.9	53.1	41.2	
9	32.8	24.9	34.8	44.2	111.8	105.7	63.7	52.9	37.5	33.9	52.6	41.2	
10	32.6	24.8	34.4	43.4	112.5	108.0	66.2	52.9	37.5	33.9	51.7	41.6	
11	32.5	24.5	33.9	43.0	111.5	110.8	66.7	52.9	36.6	33.7	51.2	40.9	
12	32.3	24.5	34.8	45.8	112.8	112.5	67.2	52.7	36.6	33.7	51.2	40.5	
13	32.1	24.0	34.4	47.1	126.2	115.1	67.2	52.5	36.6	33.7	50.9	40.1	
14	31.9	24.9	34.2	47.1	134.6	111.8	67.4	52.5	36.6	33.7	50.7	39.8	
15	31.2	25.5	33.9	55.9	148.5	107.0	64.5	52.1	36.6	33.5	49.9	39.2	
16	30.9	25.8	33.9	62.7	165.0	109.1	63.5	51.2	36.6	33.5	49.2	39.0	
17	30.6	26.5	36.0	65.2	184.0	95.6	62.3	50.3	36.2	33.5	49.0	38.6	
18	29.5	28.1	36.6	65.7	188.2	93.8	62.0	49.7	36.2	33.3	48.7	37.7	
19	29.2	28.6	35.7	62.5	177.0	79.5	61.1	48.6	36.0	33.3	48.5	36.9	
20	28.7	28.2	35.1	62.3	184.0	76.1	61.1	48.2	36.0	33.0	48.3	36.7	
21	27.9	28.1	34.8	60.6	192.4	74.2	62.0	47.5	35.9	33.0	48.0	36.4	
22	27.9	27.6	34.2	62.3	194.6	73.6	63.5	46.3	35.9	33.0	47.3	35.8	
23	27.9	27.3	32.6	62.7	195.9	73.6	63.5	45.4	35.7	33.0	46.8	35.6	
24	27.6	27.9	31.1	65.4	213.4	72.3	64.2	44.2	35.7	33.0	47.1	35.0	
25	27.6	28.2	30.4	66.7	209.8	72.1	63.5	43.4	35.7	32.6	45.4	34.4	
26	27.4	30.1	29.9	66.4	201.0	70.5	62.0	42.4	35.5	32.6	45.0	33.8	
27	27.1	31.4	29.5	82.3	192.4	69.0	61.8	42.0	35.1	32.3	44.5	33.4	
28	27.1	32.1	29.5	85.4	190.3	64.5	61.8	41.4	35.1	32.1	44.5	33.0	
29	26.6	33.3	28.9	102.3		63.0	61.8	40.4	34.8	32.1	44.5	32.6	
30	26.6	35.9	28.6	124.5		60.6	61.8	40.2	34.8	32.1	44.3	32.4	
31	26.3		27.9	127.9		59.1		40.0		32.1	43.8		
MEAN	30.5	27.4	33.6	61.0	151.7	97.3	62.6	48.5	36.7	33.4	48.9	38.5	55.2
MAX.	34.4	35.9	36.6	127.9	213.4	177.8	67.4	59.1	39.4	34.4	54.7	43.4	213.4
MIN.	26.3	24.0	27.9	30.7	109.6	59.1	58.7	39.4	34.8	32.1	33.8	32.4	24.0

[Discharge Rating Curve]: Q=25.326*(H+0.562)^2

[Flow Regime (m3/s)]:

Q(95day): 61.1 Q(185day): 40.9 Q(275day): 33.8 Q(355day): 26.3

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1982/83		[WATER LEVEL (m)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1		0.37	0.43	0.71	1.03	1.18	1.29	0.66	0.76	0.59	0.49			0.42		
2		0.37	0.40	1.10	1.01	1.20	1.24	0.66	0.75	0.59	0.48			0.42		
3		0.37	0.40	1.12	0.91	1.25	1.19	0.66	0.74	0.58	0.48			0.42		
4		0.37	0.39	1.15	0.89	1.35	1.12	0.66	0.73	0.57	0.48			0.42		
5		0.37	0.38	1.16	0.87	1.36	1.06	0.68	0.73	0.57	0.47			0.42		
6		0.36	0.38	1.17	0.85	1.34	1.00	0.71	0.72	0.55	0.47			0.41		
7		0.36	0.38	1.19	0.83	1.35	0.95	0.73	0.72	0.55	0.47			0.41		
8		0.36	0.37	1.19	0.80	1.40	0.93	0.77	0.70	0.54	0.47			0.41		
9		0.35	0.37	1.17	0.78	1.44	0.91	0.79	0.69	0.54	0.47			0.41		
10		0.35	0.37	1.20	0.76	1.49	0.91	0.80	0.69	0.53	0.47			0.41		
11		0.35	0.37	1.23	0.76	1.63	0.91	0.78	0.67	0.53	0.47			0.41		
12		0.35	0.37	1.24	0.78	1.69	0.91	0.82	0.66	0.53	0.47			0.41		
13		0.36	0.38	1.21	0.78	1.66	0.92	0.83	0.66	0.53	0.46			0.41		
14		0.36	0.38	1.17	0.78	1.62	0.94	0.86	0.64	0.53	0.46			0.41		
15		0.36	0.39	1.14	0.76	1.59	0.96	0.87	0.64	0.53	0.46			0.40		
16		0.37	0.42	1.17	0.76	1.58	0.97	0.88	0.63	0.53	0.46			0.40		
17		0.37	0.44	1.19	0.77	1.54	0.96	0.85	0.62	0.52	0.46			0.40		
18		0.38	0.46	1.20	0.79	1.50	0.95	0.82	0.62	0.52	0.46			0.40		
19		0.39	0.48	1.18	0.81	1.49	0.93	0.79	0.62	0.52	0.46			0.40		
20		0.39	0.51	1.17	0.85	1.49	0.91	0.79	0.61	0.52	0.46			0.40		
21		0.40	0.52	1.14	0.87	1.48	0.91	0.79	0.61	0.51	0.47			0.39		
22		0.41	0.53	1.12	0.90	1.46	0.90	0.79	0.60	0.51	0.47			0.39		
23		0.43	0.55	1.10	0.91	1.46	0.87	0.78	0.60	0.51	0.47			0.38		
24		0.42	0.56	1.11	0.92	1.45	0.85	0.78	0.59	0.51	0.47			0.38		
25		0.43	0.58	1.11	0.94	1.43	0.84	0.78	0.59	0.51	0.47			0.38		
26		0.43	0.59	1.08	0.94	1.41	0.81	0.78	0.59	0.50	0.47			0.38		
27		0.45	0.60	1.07	0.95	1.39	0.77	0.77	0.58	0.50	0.47			0.38		
28		0.45	0.63	1.07	0.98	1.36	0.74	0.77	0.58	0.50	0.47			0.37		
29		0.44	0.63	1.06	1.04		0.72	0.76	0.58	0.50	0.47			0.37		
30		0.45	0.94	1.05	1.08		0.70	0.76	0.59	0.49	0.47			0.37		
31		0.44		1.05	1.10		0.68		0.59		0.47					
MEAN		0.39	0.47	1.13	0.88	1.45	0.93	0.77	0.65	0.53	0.47			0.40	0.73	
MAX.		0.45	0.94	1.24	1.10	1.69	1.29	0.88	0.76	0.59	0.49			0.42	1.69	
MIN.		0.35	0.37	0.71	0.76	1.18	0.68	0.66	0.58	0.49	0.46			0.37	0.35	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1982/83		[DISCHARGE (m3/sec)]	
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL		
1		21.8	24.8	40.8	64.0	76.8	86.8	38.1	44.0	33.7	27.9	29.9	24.5			
2		21.8	23.3	70.0	63.0	78.4	82.6	37.5	43.6	33.5	27.6	29.5	24.5			
3		21.8	23.3	71.5	55.0	83.1	77.6	37.5	43.2	33.0	27.4	29.4	24.5			
4		21.8	23.0	74.2	53.6	92.6	72.1	37.9	42.4	32.6	27.3	29.3	24.3			
5		21.8	22.5	74.9	52.3	93.8	66.7	39.0	42.0	32.5	27.1	29.3	24.3			
6		21.5	22.5	76.3	50.5	91.7	61.8	40.8	41.4	31.2	27.1	29.0	24.2			
7		21.4	22.5	77.4	49.2	92.6	58.2	42.2	41.4	31.2	27.1	28.7	24.2			
8		21.4	21.8	77.5	47.1	97.1	56.4	44.8	40.4	30.9	27.1	28.8	24.0			
9		21.2	21.8	76.3	45.4	102.0	55.2	46.5	40.0	30.6	27.1	28.7	24.0			
10		21.2	21.8	78.4	44.4	106.4	54.5	47.1	39.4	30.4	26.9	29.7	24.0			
11		21.1	22.1	81.2	44.4	121.8	55.2	45.4	38.5	30.4	26.9	28.7	24.0			
12		21.1	22.2	82.3	45.4	127.9	55.2	48.2	38.1	30.4	26.8	28.7	24.0			
13		21.5	22.5	79.5	45.8	124.5	55.9	49.2	37.5	30.2	26.6	28.5	24.0			
14		21.5	22.5	75.7	45.8	121.1	57.5	51.4	36.6	30.2	26.6	28.3	23.9			
15		21.7	23.0	73.1	44.4	117.7	58.7	52.3	36.6	30.1	26.3	28.1	23.6			
16		21.8	24.6	76.3	44.4	115.7	59.4	52.5	36.2	30.1	26.3	27.7	23.3			
17		22.1	25.5	77.4	45.0	111.5	58.7	50.3	35.7	29.9	26.3	27.6	23.3			
18		22.5	26.6	78.4	46.3	108.0	58.2	48.2	35.5	29.5	26.3	27.6	23.3			
19		23.0	27.7	77.1	47.9	107.0	56.4	46.5	35.3	29.5	26.6	27.4	23.3			
20		23.0	29.1	75.7	50.5	106.4	55.2	46.5	34.8	29.5	26.6	27.4	23.3			
21		23.3	29.5	73.1	52.3	105.4	54.7	46.5	34.8	29.2	26.8	27.3	23.0			
22		23.7	30.1	71.5	54.1	103.9	54.1	46.0	34.4	29.2	26.9	27.1	23.0			
23		24.8	31.1	69.7	54.7	103.2	52.3	45.8	34.2	29.1	26.9	26.7	22.7			
24		24.5	32.1	71.0	55.9	102.3	50.5	45.6	33.9	29.1	26.9	27.0	22.5			
25		24.8	32.8	70.5	57.0	100.4	49.7	45.4	33.7	28.9	27.1	26.9	22.5			
26		24.8	33.9	68.5	57.0	98.6	47.9	45.4	33.3	28.7	27.1	26.8	22.5			
27		25.8	34.4	67.2	58.2	96.8	45.0	45.2	33.0	28.7	27.1	26.3	22.5			
28		26.0	36.0	67.2	60.3	93.8	43.0	45.0	33.0	28.6	27.1	26.2	21.8			
29		25.5	36.0	66.7	65.2		41.8	44.4	33.0	28.4	27.1	26.2	21.8			
30		26.0	57.3	66.2	67.9		40.2	44.4	33.9	28.2	27.1	26.2	21.8			
31		25.5		65.4	69.7		39.0		33.9		27.1	26.0				
MEAN		22.9	27.5	72.6	52.8	102.9	56.8	45.2	37.2	30.2	26.9	27.9	23.4	43.5		
MAX.		26.0	57.3	82.3	69.7	127.9	86.8	52.5	44.0	33.7	27.9	29.9	24.5	127.9		
MIN.		21.1	21.8	40.8	44.4	76.8	39.0	37.5	33.0	28.2	26.3	26.0	21.8	21.1		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 53.6 Q(185day): 33.5 Q(275day): 26.6 Q(355day): 21.8

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

HM ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1983/84		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.37	0.44	0.42		1.00	1.47	1.45	0.76	0.58	0.55	0.50	0.42				
2	0.37	0.42	0.43		0.98	1.35	1.46	0.75	0.57	0.55	0.50	0.41				
3	0.37	0.42	0.44		0.97	1.33	1.35	0.73	0.57	0.54	0.50	0.41				
4	0.36	0.39	0.45		0.96	1.31	1.37	0.72	0.57	0.54	0.50	0.41				
5	0.36	0.38	0.46		0.98	1.30	1.29	0.72	0.56	0.54	0.50	0.40				
6	0.36	0.38	0.47		0.97	1.35	1.26	0.72	0.56	0.54	0.50	0.40				
7	0.36	0.37	0.48		0.96	1.37	1.23	0.70	0.56	0.54	0.49	0.40				
8	0.36	0.37	0.48		0.93	1.53	1.18	0.70	0.56	0.53	0.49	0.40				
9	0.36	0.37	0.49		0.91	1.56	1.19	0.70	0.56	0.53	0.49	0.40				
10	0.36	0.37	0.50		0.91	1.59	1.17	0.70	0.56	0.53	0.48	0.39				
11	0.36	0.37	0.51		1.03	1.61	1.14	0.69	0.56	0.53	0.48	0.39				
12	0.36	0.37	0.52		1.10	1.64	1.11	0.69	0.56	0.53	0.48	0.38				
13	0.36	0.37	0.53		1.09	1.62	1.08	0.69	0.56	0.53	0.47	0.38				
14	0.36	0.38	0.61		1.08	1.52	1.07	0.69	0.56	0.53	0.47	0.38				
15	0.35	0.38	0.69		1.13	1.51	1.06	0.69	0.56	0.53	0.47	0.38				
16	0.35	0.38	0.72		1.16	1.51	1.05	0.69	0.56	0.52	0.46	0.37				
17	0.35	0.38	0.74		1.19	1.49	1.04	0.69	0.55	0.52	0.46	0.37				
18	0.35	0.38	0.77		1.23	1.47	1.03	0.67	0.55	0.52	0.46	0.37				
19	0.36	0.38	0.78		1.27	1.45	1.02	0.67	0.55	0.52	0.45	0.37				
20	0.37	0.38	0.74		1.34	1.43	0.96	0.67	0.55	0.52	0.45	0.36				
21	0.38	0.38	0.71		1.38	1.40	0.89	0.67	0.55	0.52	0.45	0.36				
22	0.39	0.38	1.39		1.43	1.34	0.87	0.60	0.55	0.52	0.44	0.35				
23	0.39	0.38	3.30		1.46	1.31	0.85	0.60	0.55	0.52	0.44	0.35				
24	0.40	0.39	3.33		1.49	1.31	0.83	0.60	0.55	0.51	0.44	0.35				
25	0.40	0.39	4.46		1.51	1.33	0.81	0.59	0.55	0.51	0.43	0.35				
26	0.40	0.40	1.54		1.52	1.34	0.80	0.59	0.55	0.51	0.43	0.34				
27	0.41	0.41	1.35		1.52	1.34	0.79	0.59	0.55	0.51	0.43	0.33				
28	0.42	0.41	1.17		1.51	1.35	0.79	0.59	0.55	0.51	0.43	0.33				
29	0.44	0.42	1.15		1.55	1.30	0.78	0.59	0.55	0.51	0.43	0.32				
30	0.43	0.42	1.18			1.27	0.77	0.58	0.55	0.50	0.42	0.32				
31	0.44					1.25		0.58		0.50	0.42					
MEAN	0.38	0.39	1.03		1.19	1.42	1.06	0.66	0.56	0.52	0.46	0.37	0.73			
MAX.	0.44	0.44	4.46		1.55	1.64	1.46	0.76	0.58	0.55	0.50	0.42	4.46			
MIN.	0.35	0.37	0.42		0.91	1.25	0.77	0.58	0.55	0.50	0.42	0.32	0.32			

QM ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1983/84		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	21.8	25.5	24.5	49.2	61.5	104.8	102.4	44.0	33.0	31.1	28.7	24.3				
2	21.8	24.5	24.8	49.6	60.6	92.6	103.9	43.4	32.6	31.1	28.7	24.2				
3	21.8	24.3	25.5	51.6	59.1	90.8	92.6	42.2	32.5	30.9	28.6	24.0				
4	21.7	23.1	26.0	52.2	58.4	88.5	94.1	41.4	32.3	30.9	28.6	24.0				
5	21.7	22.5	26.3	54.2	60.6	88.2	87.1	41.4	32.1	30.7	28.4	23.3				
6	21.7	22.5	27.1	56.1	59.4	92.3	84.2	41.4	32.1	30.6	28.4	23.3				
7	21.5	21.8	27.3	58.9	58.7	94.4	81.2	40.4	32.1	30.6	28.2	23.3				
8	21.4	21.8	27.6	61.2	56.4	111.2	76.8	40.4	32.1	30.4	28.2	23.3				
9	21.4	21.8	27.9	64.1	55.2	114.1	77.6	40.4	32.1	30.4	27.9	23.3				
10	21.4	21.8	28.7	67.3	55.2	117.4	75.7	40.4	32.1	30.4	27.6	23.0				
11	21.4	22.1	29.2	70.5	64.2	119.7	73.4	40.0	31.9	30.4	27.4	22.8				
12	21.4	22.2	29.5	73.1	69.7	122.4	70.5	39.8	31.9	30.2	27.3	22.7				
13	21.4	22.2	30.4	76.7	69.0	120.1	68.5	39.6	31.9	30.2	27.1	22.5				
14	21.4	22.4	34.6	84.3	68.2	109.6	67.2	39.4	31.9	30.1	27.1	22.5				
15	21.2	22.5	39.8	89.5	72.3	109.2	66.7	39.4	31.9	30.1	26.9	22.4				
16	21.2	22.5	41.8	92.6	74.7	108.6	65.9	39.4	31.9	29.9	26.6	22.1				
17	21.2	22.5	43.0	95.0	78.2	106.7	64.7	39.4	31.2	29.9	26.3	21.8				
18	21.2	22.5	44.8	94.1	81.2	104.8	64.2	38.5	31.2	29.9	26.3	21.8				
19	21.5	22.5	45.8	94.6	85.4	102.9	63.5	38.5	31.2	29.9	26.0	21.8				
20	21.8	22.5	43.0	95.4	91.7	100.4	58.4	38.5	31.2	29.5	25.8	21.5				
21	22.5	22.5	41.2	96.3	95.9	97.7	53.6	38.5	31.2	29.5	25.7	21.4				
22	23.0	22.5	96.8	97.2	100.8	91.7	52.3	34.4	31.2	29.5	25.5	21.1				
23	23.0	22.7	378.5	98.1	103.5	88.8	50.5	34.2	31.2	29.5	25.4	21.1				
24	23.3	22.8	383.9	99.2	106.7	88.8	49.2	34.0	31.2	29.2	25.2	21.1				
25	23.3	23.1	639.3	99.8	108.6	90.3	47.9	33.9	31.2	29.2	25.1	20.9				
26	23.3	23.3	111.8	100.9	109.6	91.1	47.1	33.9	31.2	29.2	25.1	20.7				
27	24.0	24.0	92.6	102.0	109.6	91.7	46.5	33.7	31.2	29.1	24.8	20.1				
28	24.6	24.0	75.7	102.5	108.3	92.3	46.0	33.5	31.2	28.9	24.8	20.0				
29	25.4	24.3	74.2	103.2	112.5	87.7	45.4	33.3	31.2	28.9	24.8	19.8				
30	24.8	24.5	76.8	103.4		85.1	45.0	33.0	31.2	28.7	24.5	19.7				
31	25.4		44.0	104.1		83.1		33.0		28.7	24.3					
MEAN	22.3	22.9	85.9	81.8	79.1	99.6	67.4	38.2	31.7	29.9	26.6	22.1	50.5			
MAX.	25.4	25.5	639.3	104.1	112.5	122.4	103.9	44.0	33.0	31.1	28.7	24.3	639.3			
MIN.	21.2	21.8	24.5	49.2	55.2	83.1	45.0	33.0	31.2	28.7	24.3	19.7	19.7			

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 66.7 Q(185day): 31.9 Q(275day): 24.8 Q(355day): 21.2

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1984/85	[WATER LEVEL (m)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
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25														
26														
27														
28														
29														
30														
31														

MEAN
MAX.
MIN.

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1984/85	[DISCHARGE (m3/sec)]
N	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
1	19.7	18.5	22.1	85.5	146.9	192.3	210.6	164.7	86.5	48.5	36.7	28.7		
2	19.7	18.5	22.0	87.8	151.5	192.9	208.2	163.2	83.2	47.8	36.3	28.6		
3	19.6	18.4	22.0	89.7	156.2	193.5	206.3	160.6	80.8	47.2	36.0	28.5		
4	19.6	18.4	21.8	93.1	158.1	194.1	204.8	158.8	78.6	46.9	35.8	28.2		
5	19.6	18.4	21.9	95.1	176.9	195.9	203.0	157.4	76.6	46.3	35.3	28.1		
6	19.6	18.3	22.2	97.4	188.5	196.7	201.2	143.9	74.7	45.9	35.1	27.9		
7	19.6	18.4	22.4	99.0	195.3	197.6	200.0	138.0	72.7	45.6	34.7	27.6		
8	19.6	18.6	22.4	101.3	207.6	198.2	200.0	134.3	70.6	45.3	34.5	27.4		
9	19.6	18.8	22.8	101.3	214.0	200.6	206.3	127.0	68.9	44.9	34.3	27.1		
10	19.6	19.0	23.7	113.6	208.5	201.5	203.0	125.0	67.6	44.7	33.9	26.7		
11	19.6	19.3	24.8	112.0	200.0	200.9	200.6	123.2	66.1	44.0	33.8	26.7		
12	19.6	20.2	25.4	113.1	195.9	200.3	200.0	113.5	64.9	43.5	33.3	26.5		
13	19.6	20.2	27.3	115.6	205.1	200.3	199.1	113.2	63.6	43.1	33.0	26.2		
14	19.5	20.6	30.7	119.2	230.7	203.9	197.9	112.3	62.3	42.7	32.9	26.1		
15	19.5	20.8	32.9	123.3	250.8	200.9	196.7	110.4	61.4	42.5	32.6	26.0		
16	19.5	20.9	37.7	127.3	259.6	198.5	195.3	108.2	60.3	42.2	32.4	25.8		
17	19.5	20.9	42.2	125.4	256.9	197.6	193.8	96.8	58.9	41.8	32.4	25.5		
18	19.4	21.1	45.7	124.2	240.5	197.6	193.2	96.5	58.0	41.4	32.0	25.4		
19	19.4	21.8	52.0	125.2	218.0	197.6	191.7	96.1	57.0	41.2	31.5	24.9		
20	19.4	23.0	54.5	128.0	205.4	197.6	191.2	95.1	56.0	40.9	31.4	24.6		
21	19.4	24.2	58.6	129.2	199.4	197.3	190.3	94.0	55.2	40.7	31.1	24.2		
22	19.4	25.1	69.6	128.2	195.9	198.5	188.5	92.5	54.6	40.4	30.9	24.1		
23	19.2	25.2	74.1	128.0	193.8	201.2	187.7	92.1	53.7	40.2	30.8	23.7		
24	19.0	25.3	79.0	129.7	192.3	206.6	186.2	91.2	53.0	39.8	30.6	23.4		
25	18.9	24.2	82.8	129.4	191.4	208.5	184.8	89.6	52.7	39.4	30.4	23.1		
26	18.9	23.6	86.6	131.1	191.4	209.4	183.4	86.2	51.9	39.0	30.2	23.0		
27	18.7	23.4	91.5	134.0	191.7	209.4	181.9	84.3	50.8	38.6	30.3	22.9		
28	18.7	23.0	95.4	138.6	192.0	214.3	180.2	83.6	50.3	38.2	29.3	22.9		
29	18.7	22.8	98.7	138.6		217.1	178.5	83.0	49.6	37.9	29.2	22.5		
30	19.2	22.5	101.1	140.1		217.1	176.9	81.8	49.0	37.4	28.9	22.2		
31	18.5		103.8	142.1		214.0		79.7		37.2	28.8			
MEAN	19.3	21.1	49.6	117.6	200.5	201.7	194.7	112.8	63.0	42.4	32.5	25.6	89.3	
MAX.	19.7	25.3	103.8	142.1	259.6	217.1	210.6	164.7	86.5	48.5	36.7	28.7	259.6	
MIN.	18.5	18.3	21.8	85.5	146.9	192.3	176.9	79.7	49.0	37.2	28.8	22.2	18.3	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$
 [Flow Regime (m3/s)]:
 Q(95day): 143.9 Q(185day): 54.5 Q(275day): 26.2 Q(355day): 18.7

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

HM ST.: 4-560 CHIFUMPA PONTOON YEAR : 1985/86 [WATER LEVEL (m)]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
N=													
1													
2													
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30													
31													

MEAN
MAX.
MIN.

QM ST.: 4-560 CHIFUMPA PONTOON YEAR : 1985/86 [DISCHARGE (m3/sec)]

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
N=													
1	23.7	23.2	25.6	72.3	127.1	238.2	206.5	225.8	171.7	77.6	53.3	40.9	
2	23.4	22.9	25.2	72.2	132.7	242.2	206.2	225.2	171.7	74.5	53.1	40.7	
3	23.3	23.0	25.6	72.1	132.0	241.1	206.2	224.9	171.4	73.5	51.9	38.6	
4	23.0	23.1	26.0	73.3	131.2	242.6	206.5	224.5	171.4	72.4	51.6	38.3	
5	22.8	23.1	26.3	73.5	129.8	244.4	206.5	223.3	163.1	71.2	51.2	37.8	
6	22.5	22.9	26.4	73.7	133.4	245.5	206.5	222.3	149.9	69.6	49.8	37.6	
7	22.4	22.8	26.7	73.9	153.6	246.3	206.5	220.0	143.2	69.4	49.1	37.5	
8	22.0	22.8	26.9	74.2	159.5	246.6	205.9	218.1	138.2	67.4	49.1	37.4	
9	21.7	23.0	27.3	75.2	159.5	246.3	205.0	216.2	134.9	65.7	48.7	37.3	
10	21.7	23.6	28.3	76.2	156.0	246.3	205.0	214.6	133.4	64.9	48.4	37.0	
11	21.7	23.8	30.1	76.9	165.5	246.3	205.0	213.1	131.0	64.4	48.4	36.4	
12	21.7	24.0	31.2	77.7	165.8	245.9	205.0	210.9	127.1	63.5	48.2	36.3	
13	20.9	24.4	31.5	78.3	170.0	245.9	205.0	209.3	125.2	62.6	47.7	35.6	
14	20.8	24.6	32.1	79.4	169.4	246.3	204.7	207.7	118.6	62.1	47.7	35.4	
15	20.6	24.8	33.0	80.5	165.3	246.3	204.7	205.9	137.9	61.1	47.5	35.0	
16	20.5	24.8	34.0	81.6	160.3	246.3	204.7	204.3	110.0	60.8	47.4	34.4	
17	20.5	24.9	35.2	90.5	160.3	245.9	203.7	203.4	105.6	60.2	47.0	33.9	
18	21.2	25.5	36.2	91.7	160.6	244.8	205.0	201.9	103.1	59.5	46.9	33.8	
19	20.2	26.1	38.1	94.8	160.9	244.0	206.5	171.4	99.0	59.4	45.2	33.2	
20	20.1	26.6	40.7	96.3	163.1	244.0	210.9	198.2	96.9	58.7	45.0	32.8	
21	20.1	27.3	42.4	98.3	163.6	245.1	218.8	196.4	93.9	58.0	44.7	32.7	
22	19.9	28.0	44.4	99.4	164.2	245.9	221.3	194.9	91.4	56.1	44.3	31.7	
23	19.6	28.5	46.3	101.1	165.5	246.6	226.2	194.3	89.2	55.8	43.6	31.5	
24	19.5	27.8	47.7	103.6	167.5	248.1	240.7	187.8	86.5	55.7	43.4	31.2	
25	19.5	27.2	48.7	105.5	172.8	250.4	242.4	180.2	85.9	55.8	42.8	32.5	
26	19.5	26.9	50.2	106.1	178.5	253.0	242.4	179.3	85.5	55.3	42.3	32.2	
27	19.5	26.6	53.1	108.0	184.6	256.0	242.4	177.3	82.8	61.9	42.2	31.9	
28	19.5	26.2	61.9	111.6	186.3	257.5	241.0	176.2	81.3	61.5	41.7	31.8	
29	19.5	26.1	66.6	113.2		260.2	239.0	174.8	78.7	61.2	41.3	31.7	
30	19.8	25.9	72.3	136.6		260.6	236.0	173.1	77.8	52.6	41.1	31.4	
31	20.5		73.0	137.4		259.8		172.2		59.7	40.7		
MEAN	21.0	25.0	39.1	90.5	158.5	247.7	215.5	201.5	118.6	63.0	46.6	35.0	104.8
MAX.	23.7	28.5	73.0	137.4	186.3	260.6	242.4	225.8	171.7	77.6	53.3	40.9	260.6
MIN.	19.5	22.8	25.2	72.1	127.1	238.2	203.7	171.4	77.8	52.6	40.7	31.2	19.5

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 160.2 Q(195day): 67.3 Q(275day): 31.6 Q(355day): 18.7

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

HM ST.: 4-560 CHIFUMPA PONTOON		YEAR : 1986/87											[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.46	0.54			1.48	2.35				0.67	0.64	0.52		
2	0.46	0.56			1.52	2.33				0.67	0.64	0.51		
3	0.46	0.60			1.58	2.29				0.67	0.64	0.51		
4	0.46	0.62			1.56	2.26				0.66	0.64	0.51		
5	0.46	0.64			1.56	2.18				0.66	0.64	0.50		
6	0.46	0.65			1.61	2.12				0.66	0.64	0.50		
7	0.46	0.68			1.94	2.10				0.66	0.64	0.49		
8	0.46	0.72			1.95	2.07				0.66	0.63	0.49		
9	0.46	0.76			1.97	2.04				0.66	0.63	0.49		
10	0.46	0.76	0.85		2.07	2.02				0.66	0.63	0.48		
11	0.46	0.75	0.87		2.20	1.99				0.66	0.63	0.48		
12	0.46	0.74	0.88		2.30	1.94				0.66	0.63	0.47		
13	0.48	0.73	0.90		2.30	1.90				0.66	0.62	0.47		
14	0.53	0.70	0.89		2.42	1.86				0.66	0.62	0.47		
15	0.52	0.70	0.88		2.40	1.87				0.66	0.61	0.46		
16	0.51	0.74	0.87		2.42	1.86				0.66	0.61	0.46		
17	0.55	0.76	0.85		2.44	1.82				0.66	0.61	0.46		
18	0.54	0.79	0.82		2.42	1.79				0.66	0.60	0.45		
19	0.53	0.80	0.78		2.35	1.69				0.66	0.60	0.45		
20	0.51	0.79	0.75		2.29	1.63				0.66	0.59	0.44		
21	0.50	0.78	0.73		2.24	1.59				0.66	0.58	0.44		
22	0.50	0.76	0.71		2.23	1.55				0.66	0.58	0.44		
23	0.49	0.72	0.72		2.24	1.51				0.66	0.57	0.43		
24	0.49	0.68	0.73		2.25	1.48				0.65	0.57	0.43		
25	0.48	0.66	0.73		2.28	1.48				0.65	0.56	0.42		
26	0.49	0.62	0.72		2.33	1.45				0.65	0.56	0.42		
27	0.50	0.60	0.70		2.37	1.46				0.65	0.55	0.43		
28	0.49	0.59	0.69		2.40	1.40				0.65	0.54	0.43		
29	0.48	0.58	0.68			1.39				0.65	0.54	0.42		
30	0.50	0.58	0.67			1.38				0.65	0.53	0.41		
31	0.50		0.67			1.43				0.64	0.52			
MEAN	0.49	0.69	0.78		2.11	1.81				0.66	0.60	0.46	0.94	
MAX.	0.55	0.80	0.90		2.44	2.35				0.67	0.64	0.52	2.44	
MIN.	0.46	0.54	0.67		1.48	1.38				0.64	0.52	0.41	0.41	

QM ST.: 4-560 CHIFUMPA PONTOON		YEAR : 1986/87											[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	26.3	30.7	46.0	53.1	105.4	215.2	170.8	106.6	51.9	38.3	36.6	29.5		
2	26.3	31.9	46.1	54.0	109.6	211.2	166.6	105.9	51.0	38.3	36.6	29.2		
3	26.3	34.2	46.4	55.3	116.1	206.3	155.7	104.1	50.2	38.3	36.6	28.9		
4	26.3	35.1	59.9	56.2	114.1	201.0	163.4	102.7	49.6	38.1	36.6	28.9		
5	26.3	36.6	60.3	57.1	114.1	189.9	161.6	101.4	48.9	38.1	36.6	28.6		
6	26.3	37.3	60.8	58.6	119.7	182.4	159.9	98.7	48.3	38.1	36.6	28.4		
7	26.3	39.0	61.4	60.0	159.1	179.1	158.2	96.1	47.8	38.1	36.4	28.2		
8	26.3	41.4	62.2	61.8	159.5	175.0	156.2	93.9	47.3	37.7	36.2	28.2		
9	26.3	44.4	62.4	64.3	162.2	170.9	154.8	91.8	46.8	37.7	36.2	27.9		
10	26.3	44.2	50.3	66.0	175.8	163.9	153.1	88.7	46.4	37.7	36.2	27.7		
11	26.3	43.6	51.6	67.5	192.9	165.0	152.9	86.4	45.6	37.7	35.9	27.4		
12	26.3	43.0	52.9	68.9	207.2	159.1	152.3	83.5	45.4	37.7	35.9	27.1		
13	27.3	42.0	54.1	70.5	207.2	153.4	151.8	81.5	45.0	37.7	35.5	26.9		
14	30.2	40.6	53.4	72.3	225.2	148.5	149.3	78.6	44.2	37.7	35.3	26.9		
15	29.4	40.4	52.5	73.9	222.5	150.4	148.2	76.7	43.9	37.7	34.8	26.6		
16	29.1	43.0	51.6	75.6	225.7	148.9	146.3	75.9	43.1	37.7	34.8	26.5		
17	31.6	44.4	50.3	77.2	228.9	144.0	143.8	72.5	42.6	37.7	34.6	26.3		
18	30.7	46.5	48.2	80.8	225.2	139.6	141.7	70.9	42.4	37.7	34.4	26.0		
19	30.1	46.7	45.4	85.2	214.3	127.9	139.8	69.0	42.0	37.7	34.0	25.8		
20	29.2	46.5	43.6	87.2	205.4	121.8	136.9	67.4	41.8	37.7	33.5	25.5		
21	28.7	45.4	42.0	89.7	199.3	117.7	134.5	66.0	41.7	37.7	33.0	25.4		
22	28.4	44.0	41.2	99.0	196.7	113.4	132.2	64.3	40.9	37.5	33.0	25.4		
23	28.2	41.6	41.6	102.2	198.4	109.2	129.9	62.5	40.1	37.5	32.5	25.1		
24	27.9	38.9	42.2	104.9	200.2	105.4	127.6	61.0	39.9	37.3	32.3	24.8		
25	27.6	37.5	42.0	107.6	205.0	105.4	126.1	59.5	39.3	37.3	32.1	24.6		
26	27.9	35.1	41.4	111.9	212.5	102.3	125.8	58.9	39.6	37.2	31.8	24.5		
27	28.4	34.4	40.4	115.6	218.4	103.5	112.9	56.4	40.5	37.0	31.1	24.8		
28	27.9	33.3	39.6	118.9	222.5	97.7	109.9	55.4	40.3	37.0	30.7	24.8		
29	27.6	33.2	39.0	121.9		96.5	109.0	54.7	40.0	37.0	30.6	24.5		
30	28.6	33.2	38.5	125.6		95.9	107.6	53.7	39.8	37.0	30.2	24.2		
31	28.6		38.5	132.3		100.4		53.1		36.8	29.9			
MEAN	27.8	39.6	48.6	83.1	183.7	145.4	143.0	77.4	44.2	37.6	34.2	26.6	73.5	
MAX.	31.6	46.7	62.4	132.3	228.9	215.2	170.8	106.6	51.9	38.3	36.6	29.5	228.9	
MIN.	26.3	30.7	38.5	53.1	105.4	95.9	107.6	53.1	39.3	36.8	29.9	24.2	24.2	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 103.5 Q(185day): 45.4 Q(275day): 35.9 Q(355day): 25.5

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

HM ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1987/88		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.42	0.35	0.45	0.76	2.13	2.05	3.12	1.21	0.84	0.73	0.64	0.55				
2	0.45	0.35	0.46	0.79	2.20	2.27		1.15	0.84	0.73	0.63	0.55				
3	0.44	0.35	0.48	0.76	2.18	2.42		1.13	0.83	0.73	0.63	0.54				
4	0.43	0.35	0.49	0.74	2.05	2.35		1.10	0.83	0.73	0.63	0.54				
5	0.43	0.35	0.51	0.76	1.94	2.29		1.09	0.82	0.73	0.63	0.53				
6	0.44	0.35	0.52	0.80	1.88	2.19		1.07	0.82	0.73	0.62	0.52				
7	0.44	0.35	0.55	0.85	1.84	2.24		1.05	0.82	0.72	0.62	0.52				
8	0.44	0.35	0.55	0.93	1.83	2.31		1.04	0.82	0.70	0.61	0.50				
9	0.43	0.35	0.58	0.98	1.84	2.36		1.03	0.81	0.70	0.61	0.52				
10	0.43	0.34	0.58	0.98	1.88	2.41		1.02	0.81	0.70	0.59	0.51				
11	0.43	0.34	0.58	0.95	1.90	2.46	1.92	1.01	0.81	0.70	0.60	0.51				
12	0.43	0.34	0.60	0.99	1.88	2.54	1.87	1.00	0.80	0.70	0.60	0.50				
13	0.42	0.34	0.60	1.11	1.92	2.61	1.83	0.98	0.79		0.60	0.50				
14	0.42	0.34	0.62	1.22	1.98	2.63	1.78	0.97	0.79		0.60	0.50				
15	0.41	0.36	0.68	1.25	2.01	2.59	1.73	0.97	0.79		0.60	0.49				
16	0.41	0.37	0.73	1.26	2.00	2.50	1.69	0.95	0.79		0.60	0.49				
17	0.41	0.38	0.70	1.25	2.01	2.85	1.64	0.95	0.79		0.60	0.48				
18	0.41	0.37	0.71	1.35	2.12	3.62	1.62	0.94	0.79	0.67	0.59	0.46				
19	0.40	0.36	0.76	1.38	2.21	3.92	1.59	0.93	0.79	0.67	0.59	0.47				
20	0.40	0.35	0.74	1.38	2.26	4.09	1.56	0.92	0.79	0.67	0.59	0.48				
21	0.39	0.34	0.77	1.43	2.32	4.18	1.52	0.92	0.78	0.67	0.59	0.48				
22	0.38	0.34	0.77	1.51	2.33	4.21	1.51	0.91	0.78	0.67	0.58	0.47				
23	0.38	0.33	0.75	1.59	2.34	4.31	1.46	0.91	0.77	0.67	0.55	0.46				
24	0.37	0.33	0.74	1.59	2.34	4.41	1.41	0.90	0.77	0.66	0.57	0.46				
25	0.37	0.32	0.70	1.58	2.34	4.44	1.37	0.89	0.76	0.66	0.57	0.43				
26	0.37	0.34	0.71	1.61	2.26	4.45	1.33	0.88	0.76	0.66	0.56	0.44				
27	0.37	0.35	0.70	1.60	2.16	4.41	1.30	0.87	0.76	0.66	0.56	0.45				
28	0.37	0.37	0.69	1.62	2.09	4.28	1.26	0.87	0.75	0.65	0.56	0.45				
29	0.37	0.41	0.68	1.69	2.06	4.02	1.24	0.86	0.75	0.65	0.56	0.45				
30	0.36	0.41	0.70	1.61		3.70	1.22	0.86	0.74	0.64		0.44				
31	0.35		0.72	1.73		3.37		0.85		0.63						
MEAN	0.41	0.35	0.64	1.23	2.08	3.18	1.52	0.98	0.79	0.69	0.60	0.49	1.08			
MAX.	0.45	0.41	0.77	1.73	2.34	4.45	3.12	1.21	0.84	0.73	0.64	0.55	4.45			
MIN.	0.35	0.32	0.45	0.74	1.83	2.05	1.22	0.85	0.74	0.63	0.55	0.43	0.32			

QM ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1987/88		[DISCHARGE (m3/s)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	24.3	21.1	26.0	44.0	183.2	173.0	344.1	79.5	49.9	42.4	36.4	31.2				
2	25.7	21.2	26.6	46.0	193.3	202.8	206.4	74.4	49.4	42.4	36.2	31.1				
3	25.2	21.2	27.7	44.0	190.3	224.8	206.4	72.6	49.2	42.4	36.0	30.9				
4	25.1	21.2	27.9	43.2	172.6	215.2	200.3	70.2	48.9	42.2	35.9	30.6				
5	24.9	21.2	29.1	44.4	158.7	205.4	199.0	68.7	48.4	42.2	35.9	30.4				
6	25.5	21.2	29.4	46.7	151.5	191.6	199.0	67.2	48.2	42.2	35.7	29.9				
7	25.5	21.1	31.1	50.7	146.6	198.9	199.0	66.2	48.2	41.8	35.3	29.9				
8	25.4	21.1	31.6	56.4	144.8	209.0	199.0	64.7	48.2	40.6	34.9	28.6				
9	25.1	20.9	33.0	60.6	146.6	215.7	198.7	64.2	47.9	40.4	34.9	29.4				
10	24.9	20.8	33.0	60.6	151.1	223.4	198.4	63.2	47.7	40.4	33.7	29.1				
11	24.9	20.5	33.0	58.2	153.4	230.8	156.0	62.3	47.5	40.4	34.4	28.9				
12	24.8	20.4	34.0	61.1	151.5	243.1	150.4	61.5	47.1	40.4	34.4	28.7				
13	24.6	20.4	34.4	70.8	156.4	254.7	144.8	60.3	46.5	35.7	34.4	28.6				
14	24.5	20.8	35.3	80.1	163.8	257.6	138.9	59.6	46.5	35.1	34.2	28.6				
15	23.9	21.4	38.9	83.4	167.4	251.7	132.8	59.1	46.3	35.0	34.0	28.2				
16	23.7	22.2	42.4	83.7	166.2	237.4	127.9	58.2	46.3	34.6	34.0	28.1				
17	24.0	22.5	40.6	84.5	167.0	295.3	122.8	57.7	46.3	34.2	34.0	27.4				
18	23.9	22.1	40.8	92.6	182.0	443.8	120.1	57.3	46.3	33.7	33.9	26.3				
19	23.4	21.7	44.2	95.9	194.6	508.0	117.1	56.6	46.3	33.5	33.5	26.8				
20	23.4	20.9	43.2	95.6	201.0	548.9	114.1	55.9	46.0	38.5	33.5	27.6				
21	23.0	20.5	45.2	100.1	210.7	569.2	110.2	55.4	45.8	38.5	33.3	27.4				
22	22.7	20.4	44.8	108.6	212.1	576.6	108.9	55.2	45.6	38.3	33.2	26.9				
23	22.4	20.3	43.4	117.7	213.9	600.4	103.2	54.5	45.2	38.3	31.2	26.6				
24	22.2	20.0	43.2	117.7	213.9	625.4	98.6	54.1	45.0	38.1	32.6	26.5				
25	22.1	19.8	40.4	116.7	213.0	633.9	94.1	53.6	44.4	38.1	32.3	24.8				
26	22.1	20.7	41.2	119.4	201.9	635.4	90.8	52.9	44.2	37.7	32.1	25.2				
27	21.9	20.9	40.4	118.7	187.4	627.0	87.9	52.1	44.0	37.5	31.9	26.2				
28	21.8	21.8	39.6	120.1	177.8	593.6	84.5	51.8	43.8	37.3	31.8	25.8				
29	21.8	24.0	39.2	129.0	174.6	532.5	82.0	51.4	43.6	37.2	26.3	25.7				
30	21.4	24.2	40.2	119.1		459.4	80.4	51.0	43.0	36.8	26.2	25.5				
31	21.2		41.8	133.5		391.8		50.7		35.9	26.0					
MEAN	23.7	21.2	36.8	84.0	177.5	373.4	147.2	60.1	46.5	39.8	33.3	28.0	89.0			
MAX.	25.7	24.2	45.2	133.5	213.9	635.4	344.1	79.5	49.9	42.4	36.4	31.2	635.4			
MIN.	21.2	19.8	26.0	43.2	144.8	173.0	80.4	50.7	43.0	34.2	26.0	24.8	19.8			

[Discharge Rating Curve]: Q=25.326*(H+0.562)^2

[Flow Regime (m3/s)]:

Q(95day): 98.6 Q(185day): 43.2 Q(275day): 29.4 Q(355day): 20.9

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

HM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1988/89	[WATER LEVEL (m)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.44	0.45	0.77	2.01	1.69	1.10	0.80	0.70	0.62	0.52					
2	0.43	0.44	0.75	1.99	1.62	1.08	0.80	0.69	0.62	0.52					
3	0.42	0.46	0.77	2.01	1.58	1.05	0.79	0.69	0.62	0.52					
4	0.40	0.44	0.77	2.05	1.53	1.05	0.79	0.69	0.62	0.51					
5	0.41	0.43	0.78	2.07	1.50	1.03	0.78	0.68	0.62	0.50					
6	0.42	0.44	0.80	2.13	1.56	1.01	0.77	0.68	0.61	0.50					
7	0.42	0.47	0.87	2.19	1.59	0.98	0.77	0.67	0.61	0.50					
8	0.42	0.50	0.89	2.23	1.59	0.99	0.74	0.67	0.61	0.50					
9	0.41	0.49	0.93	2.27	1.56	0.97	0.76	0.67	0.60	0.50					
10	0.41	0.52	0.96	2.29	1.57	0.96	0.74	0.67	0.60	0.49					
11	0.41	0.53	0.98	2.30	1.55	0.96	0.74	0.66	0.60	0.49					
12	0.41	0.54	1.03	2.33	1.52	0.95	0.73	0.66	0.59	0.49					
13	0.41	0.52	1.09	2.38	1.49	0.94	0.70	0.66	0.59	0.48					
14	0.41	0.53	1.15	2.36	1.46	0.94	0.73	0.66	0.59	0.48					
15	0.41	0.56	1.12	2.39	1.41	0.94	0.72	0.66	0.58	0.48					
16	0.41	0.61	1.11	2.42	1.37	0.91	0.72	0.66	0.58	0.47					
17	0.41	0.62	1.12	2.44	1.32	0.90	0.72	0.66	0.58	0.47					
18	0.40	0.66	1.12	2.46	1.26	0.88	0.72	0.66	0.57	0.46					
19	0.40	0.64	1.12	2.46	1.15	0.88	0.71	0.66	0.56	0.46					
20	0.40	0.66	1.15	2.41		0.87	0.71	0.65	0.56	0.46					
21	0.42	0.62	1.16	2.33		0.86	0.71	0.65	0.56	0.46					
22	0.44	0.57	1.19	2.28		0.85	0.71	0.65	0.55	0.46					
23	0.43	0.53	1.29	2.26		0.85	0.71	0.65	0.55	0.45					
24	0.43	0.50	1.27	2.15		0.85	0.71	0.65	0.55	0.45					
25	0.40	0.50	1.28	2.04		0.84	0.71	0.64	0.55	0.44					
26	0.40	0.47	1.29	1.93	1.07	0.83	0.71	0.64	0.54	0.44					
27	0.40	0.48	1.32	1.83	1.17	0.83	0.71	0.64	0.54	0.44					
28	0.40	0.48	1.35	1.77	1.24	0.82	0.71	0.64	0.54	0.44					
29	0.40	0.48	1.41		1.35	0.82	0.70	0.64	0.53	0.43					
30	0.43	0.50	1.58		1.55	0.81	0.70	0.64	0.53	0.43					
31	0.44		1.83		1.76	0.80		0.63	0.52						
MEAN	0.41	0.52	1.11	2.21	1.46	0.92	0.73	0.66	0.58	0.47	0.89				
MAX.	0.44	0.66	1.83	2.46	1.76	1.10	0.80	0.70	0.62	0.52	2.46				
MIN.	0.40	0.43	0.75	1.77	1.07	0.80	0.70	0.63	0.52	0.43	0.40				

QM	ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1988/89	[DISCHARGE (m3/sec)]
N=	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	25.2	25.7	21.2	44.8	167.0	128.3	199.6	70.0	46.9	40.4	35.7	29.5			
2	25.1	25.5	20.7	43.8	164.6	120.8	199.6	68.2	46.7	40.0	35.7	29.5			
3	24.3	26.6	20.7	45.2	168.2	115.7	198.3	65.7	46.5	39.6	35.5	29.4			
4	23.3	25.4	20.7	44.6	173.0	110.8	197.6	65.4	46.0	39.4	35.3	29.1			
5	24.2	24.8	20.7	45.8	175.4	107.3	196.0	64.0	45.6	39.0	35.1	28.7			
6	24.6	25.4	20.7	46.9	193.6	114.1	192.8	63.0	45.0	38.9	34.8	28.7			
7	24.5	26.9	22.4	52.1	191.6	117.7	191.2	59.9	44.8	38.7	34.8	28.7			
8	24.3	28.6	22.4	53.6	198.0	117.1	189.0	61.3	43.2	38.5	34.6	28.4			
9	24.2	28.2	22.8	56.6	203.7	114.4	187.8	59.1	44.2	38.5	34.4	28.4			
10	24.0	29.4	22.9	58.9	206.3	115.4	185.3	58.9	43.2	38.3	34.2	28.1			
11	23.9	30.4	23.1	59.9	208.1	112.8	184.3	58.7	42.8	38.1	34.2	27.9			
12	23.7	30.6	23.2	64.5	212.5	109.6	183.1	58.0	42.6	37.9	33.9	27.9			
13	23.7	29.5	23.6	69.2	219.3	107.0	182.2	56.8	40.4	37.7	33.5	27.6			
14	23.7	30.4	24.0	73.9	216.6	103.2	175.7	57.0	42.2	37.7	33.3	27.4			
15	23.7	31.9	24.6	71.8	220.6	98.9	179.7	56.8	41.8	37.5	33.2	27.3			
16	23.7	34.6	25.3	70.8	225.7	94.7	179.1	54.5	41.6	37.5	33.0	27.1			
17	23.7	35.5	26.2	71.5	228.5	89.4	179.1	53.8	41.4	37.5	32.8	26.8			
18	23.6	33.1	27.2	71.3	230.8	83.7	178.8	52.5	41.4	37.5	32.5	26.6			
19	23.6	36.6	28.0	71.8	231.6	74.4	177.9	52.5	41.2	37.5	32.1	26.6			
20	23.6	37.5	29.3	74.2	224.3	184.5	176.0	52.1	41.2	37.3	32.1	26.5			
21	24.5	35.3	29.7	74.9	211.6	184.5	176.0	51.4	41.2	37.2	31.8	26.3			
22	25.5	32.6	30.0	77.6	205.0	184.5	176.0	50.7	41.2	37.2	31.6	26.3			
23	25.1	30.4	29.5	87.1	201.9	184.5	174.8	50.5	41.2	37.0	31.4	26.2			
24	25.1	28.6	30.9	84.8	186.5	183.9	174.5	50.3	41.2	37.0	31.2	25.7			
25	23.3	28.4	31.2	85.7	171.8	186.1	174.2	49.7	41.0	36.8	31.2	25.5			
26	23.3	26.9	31.9	87.1	156.8	67.2	174.2	49.0	41.0	36.8	30.9	25.4			
27	23.3	27.4	32.4	90.0	144.4	76.0	173.9	48.8	40.8	36.6	30.7	25.2			
28	23.3	27.3	33.5	92.9	138.2	82.6	173.0	48.6	40.8	36.6	30.6	25.2			
29	23.3	27.4	34.0	98.6		92.3	173.0	48.4	40.6	36.4	30.2	24.9			
30	24.8	28.7	34.5	116.4		113.4	194.8	47.9	40.4	36.4	30.1	24.8			
31	25.5		35.5	144.8		136.0		47.3		35.9	29.7				
MEAN	24.1	29.8	26.5	72.0	195.2	119.7	183.3	55.8	42.6	37.8	32.9	27.2	69.5		
MAX.	25.5	38.1	35.5	144.8	231.6	186.1	199.6	70.0	46.9	40.4	35.7	29.5	231.6		
MIN.	23.3	24.8	20.7	43.8	138.2	67.2	173.0	47.3	40.4	35.9	29.7	24.8	20.7		

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^2$

[Flow Regime (m3/s)]:

Q(95day): 82.6 Q(185day): 39.4 Q(275day): 28.7 Q(355day): 23.1

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

HM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1989/90	[WATER LEVEL (m)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	0.42	0.42	0.40	0.64	1.04	1.88	1.69	1.05	0.79	0.66	0.58	0.50		
2	0.42	0.42	0.41	0.65	1.07	1.71	1.73	1.05	0.79	0.65	0.58	0.50		
3	0.42	0.41	0.42	0.66	1.11	1.73	1.77	1.04	0.78	0.65	0.58	0.49		
4	0.42	0.41	0.42	0.65	1.10	1.62	1.86	1.04	0.77	0.65	0.58	0.49		
5	0.42	0.41	0.41	0.62	1.11	1.50	2.01	1.07	0.77	0.64	0.58	0.49		
6	0.41	0.40	0.41	0.62	1.15	1.43	2.09	1.10	0.76	0.64	0.58	0.48		
7	0.41	0.39	0.41	0.66	1.22	1.38	2.27	1.12	0.76	0.64	0.58	0.48		
8	0.41	0.38	0.43	0.70	1.38	1.32	2.39	1.14	0.75	0.64	0.58	0.48		
9	0.41	0.38	0.48	0.80	1.38	1.26	2.39	1.14	0.74	0.63	0.57	0.47		
10	0.40	0.37	0.51	0.83	1.54	1.22	2.33	1.12	0.74	0.63	0.57	0.47		
11	0.40	0.37	0.53	0.81	1.65	1.17	2.23	1.10	0.73	0.63	0.57	0.46		
12	0.40	0.38	0.54	0.81	2.33	1.12	2.08	1.10	0.73	0.62	0.56	0.46		
13	0.40	0.39	0.55	0.81	1.67	1.08	1.97	1.10	0.73	0.62	0.56	0.46		
14	0.40	0.39	0.55	0.83	1.66	1.04	1.89	1.09	0.72	0.62	0.56	0.46		
15	0.40	0.39	0.57	0.83	1.68	1.00	1.84	1.07	0.71	0.62	0.55	0.45		
16	0.39	0.41	0.58	0.81	1.67	0.97	1.83	1.04	0.70	0.61	0.55	0.45		
17	0.39	0.38	0.58	0.81	1.69	0.94	1.80	1.02	0.70	0.61	0.55	0.45		
18	0.39	0.38	0.58	0.85	1.75	0.90	1.75	0.99	0.70	0.61	0.55	0.45		
19	0.40	0.37	0.59	0.83	1.73	0.86	1.69	0.97	0.70	0.61	0.55	0.45		
20	0.40	0.38	0.63	0.81	1.68	0.83	1.63	0.94	0.70	0.61	0.54	0.44		
21	0.39	0.38	0.68	0.82	1.62	0.82	1.54	0.92	0.69	0.60	0.54	0.44		
22	0.39	0.38	0.68	0.86	1.57	0.79	1.46	0.91	0.69	0.60	0.54	0.44		
23	0.39	0.42	0.68	0.88	1.54	0.79	1.38	0.89	0.69	0.60	0.54	0.43		
24	0.39	0.48	0.68	1.27	1.49	0.82	1.31	0.88	0.69	0.60	0.53	0.43		
25	0.40	0.47	0.71	0.98	1.48	0.84	1.25	0.86	0.68	0.59	0.53	0.43		
26	0.41	0.44	0.73	1.01	1.52	0.91	1.20	0.85	0.68	0.59	0.52	0.42		
27	0.41	0.41	0.75	0.99	1.56	0.98	1.16	0.84	0.67	0.59	0.52	0.42		
28	0.41	0.40	0.72	0.99	1.66	1.12	1.12	0.83	0.67	0.59	0.52	0.42		
29	0.41	0.39	0.68	0.99		1.43	1.11	0.82	0.67	0.59	0.51	0.42		
30	0.40	0.39	0.64	0.98		1.51	1.06	0.81	0.66	0.59	0.51	0.42		
31	0.41		0.64	1.02		1.64		0.80		0.58	0.50			
MEAN	0.40	0.40	0.57	0.83	1.50	1.17	1.73	0.99	0.72	0.62	0.55	0.45	0.82	
MAX.	0.42	0.48	0.75	1.27	2.33	1.73	2.39	1.14	0.79	0.66	0.58	0.50	2.39	
MIN.	0.39	0.37	0.40	0.62	1.04	0.79	1.06	0.80	0.66	0.58	0.50	0.42	0.37	

QM	ST.: 4-560 CHIFUMPA PONTOON												YEAR : 1989/90	[DISCHARGE (m3/sec)]
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL	
1	24.6	24.3	23.6	36.6	64.7	126.9	128.6	65.4	46.5	37.7	33.2	28.6		
2	24.6	24.3	23.9	37.3	67.7	130.7	132.8	65.7	46.0	37.3	33.0	28.4		
3	24.6	24.2	24.3	37.5	70.8	133.2	138.2	64.7	45.4	37.2	33.0	28.2		
4	24.6	24.0	24.3	37.0	70.2	120.8	148.9	65.2	44.8	37.2	33.0	27.9		
5	24.5	23.9	24.0	35.5	70.5	107.6	167.8	67.4	44.6	36.8	32.8	27.9		
6	24.2	23.6	23.7	35.1	74.2	100.8	178.2	70.0	44.4	36.6	32.8	27.6		
7	24.0	23.0	23.9	38.1	80.4	95.3	203.2	71.3	44.0	35.6	32.8	27.4		
8	23.9	22.4	24.9	40.4	95.3	90.0	220.6	73.4	43.4	36.4	32.3	27.3		
9	23.7	22.4	27.3	47.3	95.3	84.5	221.1	73.4	43.2	36.2	32.6	26.9		
10	23.6	22.1	29.2	49.0	111.8	80.6	212.1	71.5	42.8	36.0	32.5	26.8		
11	23.6	22.2	30.2	47.5	123.8	75.7	196.7	70.2	42.4	35.9	32.3	26.5		
12	23.4	22.5	30.7	47.7	212.5	71.3	177.4	69.7	42.2	35.3	32.1	26.3		
13	23.4	23.0	31.6	47.9	126.5	67.9	161.8	69.7	42.0	35.3	31.9	26.3		
14	23.3	23.0	31.1	48.8	125.5	64.7	151.9	69.2	41.6	35.1	31.8	26.3		
15	23.3	22.8	32.5	48.8	127.2	62.0	146.6	67.4	41.0	35.1	31.6	26.2		
16	23.3	23.9	33.0	47.7	126.2	59.4	144.8	65.2	40.6	34.9	31.4	26.0		
17	23.0	22.5	33.2	47.9	129.0	56.8	141.5	63.2	40.6	34.9	31.2	26.0		
18	23.0	22.4	33.2	50.5	135.0	53.8	135.3	61.1	40.4	34.8	31.2	25.8		
19	23.4	22.2	33.9	48.8	133.2	51.2	129.0	59.4	40.4	34.6	31.1	25.7		
20	23.3	22.4	36.2	47.5	127.6	49.2	121.4	57.5	40.4	34.6	30.9	25.5		
21	23.1	22.5	38.9	48.4	121.1	48.2	112.1	55.9	40.0	34.4	30.9	25.4		
22	22.8	22.7	39.2	51.2	115.1	46.0	103.5	54.5	39.8	34.2	30.7	25.2		
23	22.8	24.5	39.2	52.9	112.1	46.5	95.3	53.2	39.6	34.2	30.6	25.1		
24	23.0	27.3	39.2	84.8	107.0	48.6	88.8	52.5	39.4	34.0	30.4	24.8		
25	23.3	27.1	41.0	59.9	106.1	50.1	83.4	51.4	39.2	33.9	30.2	24.8		
26	24.0	25.4	42.6	62.3	109.6	54.7	79.0	50.5	38.9	33.9	29.9	24.6		
27	23.7	24.2	43.4	61.3	114.1	59.9	74.9	49.4	38.7	33.7	29.5	24.5		
28	23.7	23.4	41.8	60.8	125.2	71.3	71.8	49.0	38.5	33.5	29.5	24.5		
29	23.7	22.8	39.2	61.3		100.1	70.5	48.4	38.3	33.3	29.2	24.3		
30	23.6	23.0	36.8	60.1		108.6	66.7	47.7	38.1	33.3	28.9	24.3		
31	24.2		36.6	63.2		122.8		46.9		33.2	28.7			
MEAN	23.6	23.4	32.7	49.8	109.9	78.7	136.8	61.3	41.6	35.2	31.4	26.2	53.7	
MAX.	24.6	27.3	43.4	84.8	212.5	133.2	221.1	73.4	46.5	37.7	33.2	28.6	221.1	
MIN.	22.8	22.1	23.6	35.1	64.7	46.0	66.7	46.9	38.1	33.2	28.7	24.3	22.1	

[Discharge Rating Curve]: $Q=25.326*(H+0.562)^{2.2}$
 [Flow Regime (m3/s)]:
 Q(95day): 63.2 Q(185day): 37.7 Q(275day): 27.3 Q(355day): 22.7

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

HM ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1990/91		[WATER LEVEL (m)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	0.42	0.37	0.41	0.73	1.92	1.96	1.89	1.00	0.76	0.64	0.57	0.48				
2	0.45	0.35	0.41	0.79	2.06	1.98	1.89	0.98	0.74	0.63	0.57	0.48				
3	0.43	0.34	0.43	0.87	2.18	1.93	1.88	0.97	0.74	0.63	0.57	0.48				
4	0.42	0.34	0.43	0.94	2.30	1.83	1.86	0.95	0.73	0.62	0.56	0.48				
5	0.42	0.34	0.41	1.01	2.36	1.75	1.82	0.94	0.71	0.62	0.56	0.47				
6	0.42	0.33	0.41	1.07	2.35	1.68	1.79	0.93	0.72	0.62	0.56	0.47				
7	0.42	0.33	0.41	1.15	2.37	1.59	1.76	0.92	0.71	0.62	0.55	0.46				
8	0.42	0.32	0.42	1.24	2.38	1.54	1.73	0.91	0.71	0.62	0.55	0.46				
9	0.45	0.32	0.42	1.33	2.40	1.55	1.70	0.91	0.70	0.62	0.55	0.46				
10	0.45	0.32	0.42	1.39	2.44	1.56	1.63	0.90	0.70	0.61	0.55	0.45				
11	0.44	0.31	0.43	1.41	2.44	1.57	1.58	0.90	0.70	0.61	0.55	0.45				
12	0.42	0.30	0.46	1.40	2.49	1.55	1.52	0.90	0.70	0.61	0.55	0.45				
13	0.41	0.30	0.46	1.40	2.41	1.51	1.45	0.89	0.69	0.61	0.54	0.45				
14	0.40	0.30	0.47	1.38	2.45	1.49	1.41	0.88	0.68	0.61	0.54	0.45				
15	0.39	0.30	0.44	1.39	2.61	1.49	1.38	0.88	0.68	0.61	0.54	0.45				
16	0.39	0.31	0.43	1.39	2.86	1.50	1.35	0.87	0.68	0.61	0.53	0.44				
17	0.39	0.31	0.45	1.39	3.05	1.43	1.33	0.86	0.67	0.60	0.53	0.44				
18	0.39	0.35	0.45	1.35	3.08	1.78	1.30	0.86	0.67	0.60	0.53	0.44				
19	0.38	0.34	0.53	1.34	2.94	1.88	1.27	0.85	0.67	0.60	0.52	0.43				
20	0.38	0.33	0.53	1.34	2.63	1.99	1.24	0.84	0.67	0.59	0.52	0.43				
21	0.38	0.32	0.56	1.35	2.40	2.22	1.21	0.83	0.67	0.59	0.52	0.43				
22	0.37	0.33	0.55	1.35	2.25	2.40	1.18	0.83	0.66	0.59	0.52	0.43				
23	0.37	0.30	0.55	1.36	2.14	2.38	1.16	0.82	0.66	0.59	0.52	0.43				
24	0.37	0.37	0.56	1.31	2.05	2.23	1.13	0.82	0.66	0.59	0.52	0.43				
25	0.36	0.37	0.58	1.31	2.00	2.06	1.11	0.80	0.65	0.58	0.52	0.43				
26	0.36	0.37	0.58	1.31	1.98	2.00	1.09	0.80	0.65	0.58	0.51	0.43				
27	0.36	0.37	0.58	1.47	1.95	2.01	1.07	0.79	0.65	0.58	0.51	0.42				
28	0.36	0.39	0.59	1.47	1.92	1.99	1.05	0.78	0.64	0.58	0.51	0.42				
29	0.37	0.40	0.60	1.57		1.95	1.04	0.77	0.64	0.58	0.50	0.41				
30	0.37	0.40	0.63	1.69		1.91	1.02	0.77	0.64	0.58	0.49	0.41				
31	0.37		0.68	1.77		1.90		0.76		0.58	0.49					
MEAN	0.40	0.34	0.49	1.30	2.37	1.83	1.43	0.87	0.69	0.60	0.53	0.45	0.93			
MAX.	0.45	0.40	0.68	1.77	3.08	2.40	1.89	1.00	0.76	0.64	0.57	0.48	3.08			
MIN.	0.36	0.30	0.41	0.73	1.92	1.43	1.02	0.76	0.64	0.58	0.49	0.41	0.30			

QM ST.: 4-560 CHIFUMPA PONTOON													YEAR : 1990/91		[DISCHARGE (m3/sec)]	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL			
1	24.5	21.8	24.0	42.6	155.7	160.7	152.2	62.0	44.0	36.4	32.6	27.7				
2	26.0	21.2	23.7	46.0	174.6	163.8	152.2	60.3	43.2	36.2	32.5	27.6				
3	24.9	20.7	25.1	51.6	190.7	157.2	151.5	59.4	42.8	35.9	32.3	27.4				
4	24.6	20.5	24.8	57.3	207.6	145.5	148.5	58.0	42.4	35.5	32.1	27.3				
5	24.6	20.4	24.2	63.0	216.1	135.7	144.0	57.3	41.2	35.3	31.9	26.9				
6	24.5	20.3	24.0	67.2	215.2	127.2	140.4	56.4	41.6	35.1	31.8	26.8				
7	24.5	20.1	23.7	74.4	217.0	117.1	137.1	55.7	41.2	35.1	31.6	26.6				
8	24.6	19.8	24.4	82.6	219.7	111.5	132.8	55.2	40.8	35.1	31.4	26.5				
9	25.7	19.7	24.4	90.8	222.9	113.1	129.3	54.5	40.6	35.1	31.2	26.3				
10	26.2	19.6	24.4	96.8	228.0	114.4	122.1	54.1	40.4	34.9	31.2	26.2				
11	25.5	19.3	24.9	98.9	228.9	115.1	116.4	54.1	40.2	34.8	31.2	26.2				
12	24.6	19.0	26.5	97.7	235.5	113.4	109.9	53.8	40.2	34.8	31.1	26.2				
13	24.0	19.0	26.3	97.1	223.8	108.9	102.6	53.4	39.8	34.8	30.9	26.0				
14	23.6	19.0	26.8	95.3	229.9	107.0	98.3	52.9	39.2	34.8	30.7	25.8				
15	23.1	19.0	25.4	96.2	254.7	107.0	95.3	52.9	38.9	34.8	30.6	25.7				
16	23.1	19.2	25.1	96.2	296.4	107.3	92.9	52.1	38.9	34.6	30.4	25.5				
17	23.1	19.3	25.7	96.2	330.1	100.4	90.6	51.4	38.7	34.4	30.2	25.4				
18	23.0	20.9	26.0	92.9	335.6	138.9	88.2	51.0	38.7	34.2	30.1	25.2				
19	22.7	20.4	30.2	91.4	310.8	150.7	85.4	50.5	38.5	34.0	29.9	24.9				
20	22.5	20.1	30.1	92.0	257.6	165.4	82.6	49.9	38.5	33.9	29.7	24.9				
21	22.5	19.6	31.8	92.6	221.6	195.4	79.8	49.2	38.3	33.7	29.7	24.8				
22	21.9	20.1	31.4	92.3	200.6	221.6	77.1	48.8	38.1	33.5	29.5	24.8				
23	21.9	19.0	31.1	93.8	185.3	219.3	74.9	48.6	37.7	33.3	29.5	24.8				
24	21.8	21.9	31.9	89.1	173.4	197.6	72.3	48.2	37.5	33.3	29.4	24.8				
25	21.7	21.8	33.2	88.8	166.2	173.8	71.0	47.3	37.2	33.2	29.4	24.8				
26	21.7	21.9	33.2	88.8	164.2	165.8	69.2	46.9	37.2	33.0	29.2	24.8				
27	21.7	22.2	33.0	104.8	160.3	167.8	67.4	46.5	37.0	33.0	29.1	24.6				
28	21.7	22.8	33.5	104.2	156.4	165.0	66.2	45.8	36.8	33.0	28.9	24.5				
29	21.9	23.3	34.0	114.8		160.3	64.7	45.2	36.6	32.8	28.6	24.2				
30	22.2	23.4	36.2	129.0		154.5	63.2	44.6	36.6	32.8	28.2	24.0				
31	22.1		39.2	138.2		153.0		44.4		32.8	27.9					
MEAN	23.4	20.5	28.3	89.1	220.7	146.3	102.6	51.9	39.4	34.3	30.4	25.7	66.7			
MAX.	26.2	23.4	39.2	138.2	335.6	221.6	152.2	62.0	44.0	36.4	32.6	27.7	335.6			
MIN.	21.7	19.0	23.7	42.6	155.7	100.4	63.2	44.4	36.6	32.8	27.9	24.0	19.0			

[Discharge Rating Curve]: Q=25.326*(H+0.562)^2

[Flow Regime (m3/s)]:

Q(95day): 90.8 Q(185day): 36.2 Q(275day): 26.0 Q(355day): 19.7