

POWER GENERATION SIMULATION

Year: 1981

Date: Aug 8
F.L.L.: 319.00 m

Head: 179.30 m

Max. Plant Discharge: 90.00 m³/s

Installed Capacity: 142.0 MW

Date	Discharge Date (mm)	Discharge F.H. (mm)	RMP or Tail Spillage water (mm)	Plant Q level in (mm)	Raw level Loss	Effect Head h Unit m	Efficiency Unit %	Output MW	Monthly y Ave. MW		
Jul	1	25.1	58.1	7.2	103.90	17.9	1.13	319.00	204.99	1 0.825	28.85
	2	27.6	64.0	7.2	103.94	20.6	1.26	319.00	204.90	1 0.809	31.80
	3	64.2	61.9	7.2	103.95	37.0	1.10	319.00	196.76	1 0.788	96.48
	4	113.2	32.4	7.2	103.96	68.0	0.82	319.00	200.12	1 0.874	62.56
	5	34.3	44.7	7.2	103.92	28.1	2.95	319.00	205.25	1 0.905	33.93
	6	29.9	44.7	7.2	103.92	22.7	1.79	319.00	204.39	1 0.870	35.92
	7	30.6	43.9	7.2	103.79	23.4	1.91	319.00	206.50	1 0.875	41.39
	8	37.0	42.9	7.2	103.79	26.8	1.69	319.00	205.11	1 0.897	54.32
	9	34.2	64.0	7.2	103.94	27.0	2.54	319.00	205.32	1 0.894	46.75
	10	34.3	61.9	7.2	103.93	27.0	2.54	319.00	205.54	1 0.896	46.76
	11	31.3	54.3	7.2	103.87	24.1	2.02	319.00	206.10	1 0.880	42.05
	12	34.3	50.3	7.2	103.83	17.1	1.01	319.00	207.13	1 0.915	26.33
	13	32.4	45.7	7.2	103.82	24.8	2.29	319.00	205.79	1 0.889	47.14
	14	32.7	54.3	7.2	103.87	18.5	1.19	319.00	206.94	1 0.890	31.13
	15	34.3	54.3	7.2	103.87	17.1	1.02	319.00	207.11	1 0.913	28.23
	16	33.0	44.6	7.2	103.82	12.8	0.67	319.00	207.30	1 0.797	25.36
	17	22.0	42.9	7.2	103.79	15.4	0.87	319.00	207.54	1 0.797	25.39
	18	21.6	41.3	21.6	103.76	0.0	0.72	319.00	207.49	0 0.000	0.00
	19	30.3	39.7	30.3	103.77	0.0	0.59	319.00	207.44	0 0.000	0.00
	20	18.1	39.7	18.1	103.77	0.0	0.47	319.00	207.74	0 0.000	0.00
	21	20.2	34.6	20.2	103.75	0.0	0.59	319.00	207.64	0 0.000	0.00
	22	43.2	34.6	7.2	103.72	34.0	4.31	319.00	207.14	1 0.909	63.77
	23	23.7	37.5	7.2	103.75	18.5	1.19	319.00	207.08	1 0.830	31.15
	24	31.6	34.6	21.6	103.71	0.0	0.72	319.00	207.57	0 0.000	0.00
	25	33.0	33.5	7.2	103.73	4.8	0.72	319.00	207.28	1 0.842	76.51
	26	16.1	35.5	7.2	103.73	90.0	28.31	319.00	192.21	1 0.875	41.57
	27	18.3	34.6	44.6	103.75	90.0	28.31	319.00	192.21	1 0.875	41.57
	28	19.2	44.6	49.3	103.85	90.0	28.31	319.00	192.16	1 0.877	42.00
	29	97.2	104.1	7.2	111.22	90.0	28.31	319.00	179.27	1 0.898	142.00
	30	44.4	114.1	7.2	111.27	96.2	33.5	319.00	202.34	1 0.901	70.04
	31	18.2	12.4	7.2	111.27	31.2	2.41	319.00	207.07	1 0.892	55.25
Aug	1	39.3	38.1	7.2	103.90	23.1	1.39	319.00	204.51	1 0.911	54.40
	2	53.4	64.0	7.2	103.94	44.4	2.50	319.00	204.54	1 0.898	78.19
	3	43.2	61.9	7.2	103.93	34.0	4.31	319.00	205.54	1 0.910	63.52
	4	54.9	52.4	7.2	103.86	27.7	2.67	319.00	205.47	1 0.900	50.18
	5	32.7	44.7	7.2	103.92	23.5	2.34	319.00	205.91	1 0.898	43.73
	6	29.9	44.7	7.2	103.92	22.7	1.79	319.00	204.39	1 0.870	35.92
	7	29.2	43.9	7.2	103.79	23.0	1.89	319.00	206.52	1 0.844	34.47
	8	29.9	43.9	7.2	103.79	22.7	1.79	319.00	206.41	1 0.870	39.50
	9	36.5	44.0	7.2	103.94	31.3	3.41	319.00	206.45	1 0.910	57.13
	10	34.9	61.9	7.2	103.95	27.7	2.67	319.00	205.40	1 0.900	50.16
	11	31.3	54.3	7.2	103.87	24.1	2.02	319.00	206.10	1 0.880	42.05
	12	29.9	50.3	7.2	103.83	22.7	1.79	319.00	206.54	1 0.870	39.52
	13	40.8	44.7	7.2	103.82	23.6	3.95	319.00	206.15	1 0.913	61.31
	14	34.2	44.7	7.2	103.82	27.0	2.54	319.00	205.28	1 0.897	48.77
	15	30.6	54.3	7.2	103.87	23.4	1.91	319.00	206.52	1 0.875	41.57
	16	27.9	48.6	7.2	103.83	20.7	1.49	319.00	206.47	1 0.832	35.73
	17	34.3	43.9	7.2	103.79	17.1	1.02	319.00	207.19	1 0.913	28.24
	18	33.1	41.3	7.2	103.76	17.9	1.13	319.00	207.10	1 0.820	28.90
	19	34.3	39.7	7.2	103.77	17.1	1.02	319.00	207.21	1 0.913	28.25
	20	33.0	39.7	7.2	103.77	15.4	0.87	319.00	207.54	1 0.797	25.39
	21	22.2	34.6	22.2	103.75	0.0	0.74	319.00	207.47	0 0.000	0.00
	22	20.9	34.6	20.9	103.75	0.0	0.63	319.00	207.60	0 0.000	0.00
	23	18.1	32.3	18.1	103.75	0.0	0.41	319.00	207.84	0 0.000	0.00
	24	23.0	30.4	7.2	103.71	15.4	0.87	319.00	207.82	1 0.797	25.60
	25	30.2	33.5	25.3	103.73	0.0	0.59	319.00	207.48	0 0.000	0.00
	26	30.2	33.5	20.2	103.73	0.0	0.59	319.00	207.48	0 0.000	0.00
	27	25.7	34.6	7.2	103.75	18.5	1.19	319.00	207.04	1 0.830	31.15
	28	64.2	44.6	7.2	103.83	27.0	1.32	319.00	196.83	1 0.898	76.73
	29	51.1	104.1	7.2	111.22	72.9	18.02	319.00	186.76	1 0.911	134.60
	30	69.2	114.1	7.2	111.27	62.1	13.43	319.00	194.30	1 0.906	107.69
	31	22.1	12.4	7.2	111.27	34.9	2.10	319.00	182.18	1 0.824	37.21
Sep	1	77.6	108.8	7.2	111.24	70.4	17.36	319.00	190.30	1 0.911	119.79
	2	70.9	94.6	7.2	111.17	62.7	14.13	319.00	192.76	1 0.908	102.73
	3	73.3	92.7	7.2	111.14	64.1	13.32	319.00	192.44	1 0.910	113.51
	4	132.1	114.8	43.1	111.29	90.0	28.21	319.00	179.44	1 0.994	142.00
	5	143.4	164.9	53.6	111.39	90.0	28.31	319.00	176.40	1 0.994	142.00
	6	87.6	114.1	7.2	111.27	80.4	22.51	319.00	185.21	1 0.908	124.54
	7	82.9	93.7	7.2	111.14	75.7	18.85	319.00	187.90	1 0.911	124.99
	8	60.9	81.6	7.2	111.06	53.7	15.04	319.00	197.90	1 0.990	92.74
	9	52.6	64.2	7.2	110.95	43.4	12.34	319.00	200.80	1 0.965	77.45
	10	44.4	61.9	7.2	110.93	38.2	11.33	319.00	202.72	1 0.951	70.14
	11	43.4	58.1	7.2	110.90	33.2	10.33	319.00	203.79	1 0.911	64.02
	12	38.5	54.3	7.2	110.87	31.3	9.41	319.00	204.72	1 0.910	57.14
	13	36.3	50.3	7.2	110.83	28.1	8.89	319.00	205.20	1 0.908	53.95
	14	32.7	44.7	7.2	110.82	23.5	7.36	319.00	205.91	1 0.889	43.73
	15	27.9	41.3	7.2	110.78	20.7	6.49	319.00	206.72	1 0.832	35.74
	16	29.9	41.3	7.2	110.78	22.7	6.79	319.00	206.43	1 0.870	39.85
	17	27.9	39.7	7.2	110.77	20.7	6.49	319.00	206.74	1 0.832	35.74
	18	33.7	54.6	7.2	110.83	18.5	6.19	319.00	207.04	1 0.830	31.15
	19	37.1	54.6	7.2	110.83	15.9	5.34	319.00	206.87	1 0.845	34.07
	20	34.3	54.6	7.2	110.83	18.3	6.30	319.00	206.95	1 0.836	32.82
	21	35.7	50.3	7.2	110.83	28.3	10.33	319.00	206.92	1 0.902	51.77
	22	62.9	94.6	7.2	111.17	75.7	18.85	319.00	187.87	1 0.911	124.97
	23	49.3	108.8	7.2	111.24	62.1	13.43	319.00	194.33	1 0.904	107.11
	24	38.5	93.7	7.2	111.14	51.3	9.17	319.00	194.70	1 0.844	86.31
	25	130.4	123.5	39.4	111.33	90.0	28.21	319.00	179.23	1 0.994	142.00
	26	173.8	123.6	81.8	111.84	90.0	28.31	319.00	179.23	1 0.994	142.00
	27	190.4	270.5	100.4	112.16	90.0	28.31	319.00	179.23	1 0.994	142.00
	28	144.3	115.7	54.5	111.84	90.0	28.31	319.00	179.13	1 0.994	141.92
	29	102.3	150.4	12.3	111.52	90.0	28.31	319.00	179.30	1 0.994	142.00
	30	102.3	136.3	12.3	111.41	90.0	28.31	319.00	179.41	1 0.994	142.00

Date	Discharge Date (mm)	Discharge F.H. (mm)	RMP or Tail Spillage water (mm)	Plant Q level in (mm)	Raw level Loss	Effect Head h Unit m	Efficiency Unit %	Output MW	Monthly y Ave. MW		
Oct	1	82.0	125.1	7.2	111.51	74.82	18.49	319.00	198.17	1 0.911	125.70
	2	44.6	91.3	7.2	111.13	79.62	13.57	319.00	196.51	1 0.982	102.00
	3	51.2	79.4	7.2	111.04	48.00	8.02	319.00	199.35	1 0.874	82.19
	4	47.6	94.6	7.2	111.17	60.40	13.71	319.00	195.12	1 0.989	104.33
	5	115.5	164.9	25.5	111.29	90.00	28.31	319.00	179.30	1 0.988	142.00
	6	83.7	130.4	7.2	111.40	78.30	21.06	319.00	184.14	1 0.910	120.37
	7	93.9	120.4	7.2	111.32	68.30	27.13	319.00	180.33	1 0.933	104.09
	8	103.2	170.7	13.2	111.82	90.00	28.31	319.00	179.20	1 0.994	142.00
	9	88.6	150.1	7.2	111.43	82.40	23.45	319.00	182.92	1 0.907	124.47
	10	78.9	148.8	7.2	111.29	75.10	18.30	319.00	180.40	1 0.912	122.15

POWER GENERATION SIMULATION

Year: 1982

Dens Ash B
F.S.L. = 319.00 mRoad Head
Min. Pans Discharge179.30 m
90.00 cum

Installed Capacity : 142.0 MW

Date	Discharge (cum)	Discharge PH (cum)	RMF or Tail Spillage water level m	Plant Q (cum)	Loss	Raw level	Effort Head h	Effort Unit m	Output MW	Month y Ave MW
Jan 1	34.0	120.1	7.2	111.19	48.8	8.39	319.00	199.32	2.876	82.62
2	97.6	135.1	7.2	111.34	80.4	23.1	319.00	185.14	2.838	132.32
3	115.3	188.4	28.3	111.72	90.0	28.31	318.11	179.17	2.858	141.84
4	98.8	159.1	8.8	111.31	90.0	28.31	319.01	179.35	2.888	141.99
5	88.6	158.3	7.2	111.41	81.4	23.08	319.00	184.31	2.938	133.39
6	72.6	116.8	7.2	111.29	63.4	14.85	319.00	181.81	2.938	133.39
7	90.3	98.6	7.2	111.17	21.1	9.45	319.00	189.37	2.884	98.77
8	21.8	86.2	7.2	111.09	43.6	7.24	319.00	200.47	2.845	77.59
9	34.0	63.9	7.2	111.07	48.8	8.39	319.00	199.43	2.876	83.48
10	62.7	83.9	7.2	111.07	55.5	10.75	319.00	197.30	2.985	95.95
11	80.9	103.4	7.2	111.20	53.7	10.04	319.00	197.75	2.980	92.64
12	74.2	111.3	7.2	111.25	67.0	19.60	319.00	182.11	2.910	114.80
13	34.4	98.4	7.2	111.17	47.2	7.76	319.00	200.07	2.871	80.80
14	43.2	75.0	7.2	111.01	36.0	4.51	319.00	203.47	2.910	61.38
15	37.8	64.0	7.2	110.94	30.8	3.24	319.00	204.80	2.909	51.80
16	33.4	54.1	7.2	110.80	25.2	2.59	319.00	205.71	2.895	47.16
17	28.9	54.3	7.2	110.87	23.7	1.79	319.00	206.33	2.870	39.81
18	28.5	50.5	7.2	110.85	21.3	1.58	319.00	206.37	2.836	34.89
19	27.1	44.7	7.2	110.83	19.9	1.54	319.00	206.80	2.845	34.04
20	23.7	44.7	7.2	110.82	14.3	1.19	319.00	206.99	2.830	31.14
21	24.3	42.9	7.2	110.79	17.1	1.62	319.00	207.19	2.811	28.24
22	23.0	39.7	7.2	110.77	15.5	0.87	319.00	207.36	2.797	25.39
23	23.7	39.7	7.2	110.77	18.5	1.19	319.00	207.04	2.830	31.15
24	34.2	44.8	7.2	110.81	27.0	2.54	319.00	205.45	2.897	48.79
25	27.1	50.3	7.2	110.83	19.9	1.58	319.00	206.77	2.844	34.05
26	23.0	42.9	7.2	110.79	13.4	0.87	319.00	207.34	2.797	25.39
27	18.8	34.4	18.8	110.73	0.0	0.47	319.00	207.73	0.000	0.00
28	18.8	33.5	18.8	110.73	0.0	0.47	319.00	207.80	0.000	0.00
29	18.8	33.5	18.8	110.73	0.0	0.47	319.00	207.80	0.000	0.00
30	18.8	33.5	18.8	110.73	0.0	0.47	319.00	207.80	0.000	0.00
31	20.2	33.5	20.2	110.73	0.0	0.29	319.00	207.44	0.000	40.80

Date	Discharge (cum)	Discharge PH (cum)	RMF or Tail Spillage water level m	Plant Q (cum)	Loss	Raw level	Effort Head h	Effort Unit m	Output MW	Month y Ave MW
Feb 1	18.8	33.5	18.8	110.73	0.0	0.47	319.00	207.80	0.000	0.00
2	18.8	31.9	18.8	110.72	0.0	0.47	319.00	207.81	0.000	0.00
3	20.9	33.5	20.9	110.73	0.0	0.65	319.00	207.62	0.000	0.00
4	41.4	46.7	7.2	110.81	34.4	4.12	319.00	204.04	2.911	62.88
5	180.8	283.1	98.4	112.31	90.0	28.31	319.34	176.95	2.898	141.75
6	346.0	390.0	254.0	112.39	90.0	28.31	319.71	178.91	2.898	141.78
7	330.4	394.5	240.4	112.64	90.0	28.31	319.44	178.83	2.899	141.73
8	213.6	262.7	123.6	112.12	90.0	28.31	319.41	179.06	2.898	141.89
9	120.1	179.6	30.1	111.47	90.0	28.31	319.13	179.23	2.890	141.94
10	90.4	144.9	7.2	111.47	83.2	24.11	319.00	183.42	2.904	135.31
11	184.1	212.6	14.1	111.84	90.0	28.31	319.04	178.97	2.908	141.82
12	108.1	179.4	14.1	111.47	90.0	28.31	319.04	179.16	2.898	141.93
13	114.6	182.5	24.4	111.71	90.0	28.31	319.09	179.17	2.898	141.94
14	137.4	190.7	37.4	111.62	90.0	28.31	319.15	179.31	2.898	142.00
15	220.4	306.9	142.4	112.51	90.0	28.31	319.51	178.98	2.898	141.82
16	282.8	317.1	187.8	112.35	90.0	28.31	319.58	179.01	2.898	141.84
17	282.2	315.4	180.2	112.49	90.0	28.31	319.50	179.80	2.899	141.71
18	281.3	299.9	191.3	112.24	90.0	28.31	319.57	179.64	2.898	141.89
19	278.9	387.2	188.9	113.41	90.0	28.31	319.57	178.74	2.899	141.67
20	236.2	296.5	146.2	112.27	90.0	28.31	319.47	178.99	2.894	141.83
21	261.4	277.3	111.4	112.09	90.0	28.31	319.33	179.08	2.898	141.89
22	144.5	218.7	74.3	111.89	90.0	28.31	319.27	179.17	2.898	141.84
23	236.0	276.7	146.0	112.18	90.0	28.31	319.31	179.13	2.898	141.81
24	392.9	472.7	302.9	112.84	90.0	28.31	319.80	178.73	2.899	141.64
25	412.3	527.6	322.3	113.99	90.0	28.31	319.84	178.44	2.899	141.80
26	326.4	408.8	274.7	113.44	90.0	28.31	319.67	178.78	2.899	141.69
27	276.4	377.6	186.4	113.44	90.0	28.31	319.56	178.92	2.898	141.78
28	223.5	276.7	132.5	113.18	90.0	28.31	319.43	179.04	2.898	141.84

Date	Discharge (cum)	Discharge PH (cum)	RMF or Tail Spillage water level m	Plant Q (cum)	Loss	Raw level	Effort Head h	Effort Unit m	Output MW	Month y Ave MW
Mar 1	180.3	228.1	91.3	111.84	90.0	28.31	319.33	179.18	2.898	141.85
2	151.6	212.6	61.6	111.84	90.0	28.31	319.33	179.16	2.898	141.84
3	120.1	179.6	30.1	111.44	90.0	28.31	319.13	179.23	2.890	141.95
4	105.8	147.3	13.8	111.44	90.0	28.31	319.05	179.34	2.898	142.00
5	84.8	130.7	7.2	111.38	77.4	20.97	319.00	184.45	2.910	129.20
6	88.6	127.9	7.2	111.34	81.4	23.08	319.00	184.54	2.904	131.63
7	75.0	106.1	7.2	111.22	67.8	14.01	319.00	191.77	2.911	114.02
8	67.6	96.3	7.2	111.16	40.4	12.71	319.00	195.14	2.907	104.35
9	62.7	86.7	7.2	111.31	33.5	10.79	319.00	197.17	2.895	93.94
10	64.2	91.2	7.2	111.12	57.0	11.32	319.00	196.54	2.898	98.57
11	71.7	98.6	7.2	111.17	64.5	14.48	319.00	193.34	2.908	111.00
12	64.2	91.2	7.2	111.12	57.0	11.32	319.00	196.54	2.898	98.57
13	69.2	84.7	7.2	111.11	62.1	13.45	319.00	196.45	2.906	107.19
14	54.4	83.9	7.2	110.97	47.2	7.76	319.00	200.17	2.871	80.45
15	80.9	75.0	7.2	111.01	37.7	10.04	319.00	197.84	2.901	92.76
16	98.3	81.4	7.2	111.06	52.1	9.45	319.00	198.49	2.846	89.83
17	60.1	79.4	7.2	111.04	52.9	9.75	319.00	198.21	2.848	91.30
18	33.6	72.9	7.2	111.80	44.4	7.30	319.00	200.50	2.848	78.16
19	106.6	182.5	14.6	111.49	90.0	28.31	319.05	179.15	2.898	141.93
20	100.7	147.7	10.7	111.44	90.0	28.31	319.02	179.33	2.898	142.00
21	135.0	170.7	43.0	111.42	90.0	28.31	319.17	179.34	2.898	142.00
22	116.3	170.7	34.3	111.42	90.0	28.31	319.10	179.27	2.898	142.00
23	173.5	221.8	63.5	111.91	90.0	28.31	319.34	179.12	2.898	141.91
24	129.4	197.4	39.4	111.78	90.0	28.31	319.33	179.17	2.898	141.94
25	102.3	157.4	12.3	111.52	80.0	28.31	319.03	179.30	2.898	142.00
26	98.8	140.0	8.8	111.57	90.0	28.31	319.01	179.35	2.898	142.00
27	66.4	125.1	7.2	111.57	81.4	23.08	319.00	184.58	2.908	133.44
28	74.2	108.6	7.2	111.24	67.0	15.43	319.00	183.13	2.910	114.81
29	112.8	199.1	22.8	111.43	90.0	28.31	319.08	179.44	2.898	142.00
30	281.9	348.5	185.8	112.54	90.0	28.31	319.58	178.83	2.899	141.73
31	245.6	344.5	175.6	112.46	90.0	28.31	319.54	178.87	2.899	141.73

Date	Discharge (cum)	Discharge PH (cum)	RMF or Tail Spillage water level m	Plant Q (cum)	Loss	Raw level	Effect Head h	Efficiency Unit m	Output MW	Month y Ave MW
Apr. 1	224.8	284.4	134.8	112.22	90.00	28.31	319.44	178.21	2.898	141.84
2	170.7	231.3	80.7	111.96	90.00	28.31	319.39	178.12	2.898	141.91
3	111.1	170.7	21.1	111.42	90.00	28.31	319.08	179.24	2.898	141.90
4	84.8	130.7	7.2	111.34	77.40	20.97	319.00	184.45	2.910	129.20
5	79.1	114.1	7.2	111.27	71.00	18.10	319.00	186.42	2.912	123.14
6	74.2	108.6	7.2	111.24	67.00	15.43	319.00	185.13	2.910	114.81
7	70.0	107.4	7.2	111.20	63.00	13.74	319.00	184.04	2.907	108.27
8	37.4	84.2	7.2	111.09	50.40	8.83	319.00	199.04	2.881	64.67
9	54.0	81.6	7.2	111.04	48.00	8.29	319.00	199.45	2.877	63.69
10	49.6	75.0	7.2	111.01	42.00	6.34	319.00	201.72	2.852	71.43
11	44.4	70.6	7.2	110.98	39.00	5.35	319.00	202.44	2.850	70.12
12	44.4	64.4	7.2	110.97	39.00	5.35	319.00	202.44	2.850	70.12
13	44.4	64.4	7.2	110.97	39.00	5.35	319.00	202.44	2.850	70.12
14	44.0	66.2	7.2	110.95	34.80	4.72	319.00	203.33	2.908	64.98
15	34.4	75.0	7.2	111.01	47.20	7.76	319.00	200.23	2.871	60.68
16	48.0	72.9	7.2	111.00	40.80	5.80	319.00	202.20	2.843	64.31
17	41.6	61.9	7.2	110.93	34.40	4.12	319.00	203.95	2.911	62.64
18	37.0	54.1	7.2	110.89	29.80	3.69	319.00	205.01	2.907	54.29
19	34.2	54.1	7.2	110.87	27.00	2.54	319.00	205.99	2.897	44.77
20	34.2	54.3	7.2	110.87	27.00	2.55	319.00	205.99	2.897	44.77
21	37.0	54.3	7.2	110.87	29.80	3.69	319.00	205.01	2.907	54.29
22	35.7	54.3	7.2	110.87	28.30	2.83	319.00	205.30	2.903	51.76
23	31.3	50.5	7.2	110.85	34.00	2.02	319.00	206.13	2.880	43.83
24	29.3	46.7	7.2	110.82	22.00	1.49	319.00	206.49	2.864	34.46
25	30.4	44.8	7.2	110.81	23.40	1.91	319.00	206.29	2.873	34.19
26	27.9	42.9	7.2	110.79	20.70	1.49	319.00	206.71	2.852	33.74
27	28.5	42.9	7.2	110.79	21.30	1.51	319.00	206.43	2.850	37.00
28	28.5	46.7	7.2	110.82	21.50	1.58	319.00	206.42	2.856	34.99
29	28.5	46.7	7.2	110.82	21.50	1.58	319.00	206.42	2.856	34.99
30	30.6	46.7	7.2	110.82	23.40	1.91	319.00	206.27	2.873	41.39

73.31

POWER GENERATION SIMULATION

Year: 1993

Run As B
FSL = 319.00 m

Read Head
Max Plant Discharge

179.30 m
90.00 m/s

Installed Capacity: 143.0 MW

Date	Discharge Den (m/s)	Discharge FPA (m/s)	RMP or Td Spillage water level m (m/s)	Plant Q level m (m/s)	Run level m (m/s)	Effect Head h (m/s)	Efficiency Unit m/s	Output MW	Month			
Jul	1	318.8	446.0	238.8	112.79	90.0	28.21	19.63	1	0.999	141.61	
	2	310.5	334.0	130.3	112.98	90.0	28.21	19.60	2	0.999	141.71	
	3	317.3	373.3	164.7	112.09	90.0	28.21	19.30	3	0.998	141.84	
	4	312.8	194.4	22.6	111.76	90.0	28.21	19.24	4	0.999	141.91	
	5	312.8	194.6	22.6	111.66	90.0	28.21	19.06	5	0.998	141.97	
	6	104.1	130.7	14.1	111.40	90.0	28.21	19.04	6	0.998	141.97	
	7	84.7	163.0	7.2	111.43	79.5	22.01	19.00	7	0.999	141.41	
	8	87.6	130.7	7.2	111.38	80.4	22.51	19.00	8	0.998	141.87	
	9	78.3	130.7	7.2	111.38	73.1	18.10	19.00	9	0.912	142.06	
	10	82.9	136.3	7.2	111.41	75.7	18.96	19.00	10	0.911	142.06	
	11	77.6	136.3	7.2	111.41	70.4	17.26	19.00	11	0.911	142.06	
	12	87.6	182.5	7.2	111.49	80.4	22.51	19.00	12	0.908	142.09	
	13	343.1	406.1	179.1	113.43	90.0	28.21	19.48	1	0.900	141.04	
	14	324.6	745.2	324.6	113.41	90.0	28.21	19.47	2	0.999	141.22	
	15	284.3	488.9	184.2	112.85	90.0	28.21	19.45	3	0.999	141.33	
	16	327.4	349.1	162.4	112.55	90.0	28.21	19.31	4	0.999	141.47	
	17	196.2	307.3	104.2	112.30	90.0	28.21	19.37	5	0.999	141.75	
	18	148.6	270.2	84.6	112.15	90.0	28.21	19.22	6	0.999	141.75	
	19	147.3	271.5	87.3	112.16	90.0	28.21	19.22	7	0.999	141.75	
	20	122.8	231.3	57.8	111.94	90.0	28.21	19.13	8	0.998	141.81	
	21	102.8	200.4	15.8	111.79	90.0	28.21	19.07	9	0.999	141.81	
	22	93.9	184.4	7.2	111.72	80.5	21.18	19.00	10	0.901	140.35	
	23	97.6	173.4	7.2	111.62	80.4	22.51	19.00	11	0.901	140.35	
	24	91.1	162.0	7.2	111.43	75.9	19.02	19.00	12	0.911	134.45	
	25	75.9	130.7	7.2	111.38	64.7	16.44	19.00	1	0.911	117.25	
	26	70.2	109.6	7.2	111.31	62.8	13.74	19.00	2	0.904	106.21	
	27	64.0	109.6	7.2	111.34	58.3	12.04	19.00	3	0.901	101.60	
	28	61.8	103.6	7.2	111.20	54.6	10.36	19.00	4	0.893	94.28	
	29	54.0	101.1	7.2	111.19	48.9	8.39	19.00	5	0.876	83.42	
	30	63.1	103.6	7.2	111.20	57.9	11.08	19.00	6	0.899	100.08	
	31	57.6	94.6	7.2	111.17	50.4	8.51	19.00	7	0.881	84.49	
Aug	1	31.4	91.2	7.2	111.12	44.4	7.50	19.00	200.31	1	0.846	79.10
	2	40.9	92.7	7.2	111.14	55.7	10.04	19.00	197.82	2	0.890	92.70
	3	100.7	130.6	10.7	111.30	90.0	28.21	19.02	179.31	3	0.998	142.00
	4	82.0	167.7	7.2	111.48	74.8	18.49	19.00	184.03	4	0.911	125.41
	5	64.2	199.4	7.2	111.31	57.0	11.32	19.00	194.58	5	0.898	98.44
	6	37.6	101.1	7.2	111.19	30.4	8.85	19.00	198.94	6	0.841	80.42
	7	34.4	93.7	7.2	111.14	47.3	7.78	19.00	200.10	7	0.871	80.42
	8	33.8	86.7	7.2	111.11	45.8	7.24	19.00	200.45	8	0.866	77.38
	9	75.9	94.4	7.2	111.17	48.7	14.44	19.00	191.39	9	0.911	117.35
	10	94.6	122.5	7.2	111.37	91.4	23.08	19.00	184.60	10	0.908	115.45
	11	64.6	109.6	7.2	111.34	84.6	12.37	19.00	195.39	11	0.902	102.94
	12	80.1	93.7	7.2	111.14	52.8	9.75	19.00	198.11	12	0.886	91.34
	13	54.4	83.9	7.2	111.07	47.7	7.76	19.00	200.17	13	0.871	80.63
	14	51.3	79.4	7.2	111.04	44.0	6.74	19.00	201.21	14	0.879	74.52
	15	48.6	73.0	7.2	111.01	41.6	6.03	19.00	201.94	15	0.849	69.87
	16	130.4	154.3	84.4	111.54	90.0	28.21	19.15	179.41	16	0.998	142.00
	17	178.0	234.3	90.0	111.87	90.0	28.21	19.31	179.13	17	0.998	141.92
	18	315.8	293.0	125.8	112.33	90.0	28.21	19.42	178.95	18	0.998	141.80
	19	313.4	317.1	125.6	112.33	90.0	28.21	19.41	178.95	19	0.999	141.74
	20	179.0	237.3	84.0	112.09	90.0	28.21	19.31	179.03	20	0.998	141.84
	21	138.8	212.6	48.8	111.84	90.0	28.21	19.19	179.12	21	0.998	141.85
	22	114.6	176.4	24.6	111.66	90.0	28.21	19.09	179.12	22	0.998	141.91
	23	113.3	170.7	24.3	111.67	90.0	28.21	19.10	179.12	23	0.998	142.00
	24	172.7	257.3	82.7	112.09	90.0	28.21	19.30	179.00	24	0.996	141.83
	25	172.7	254.3	82.7	112.07	90.0	28.21	19.30	178.92	25	0.999	141.72
	26	146.3	234.0	66.3	112.07	90.0	28.21	19.31	178.93	26	0.998	141.79
	27	114.4	212.4	24.6	111.84	90.0	28.21	19.09	179.02	27	0.998	141.85
	28	99.8	188.4	9.8	111.72	90.0	28.21	19.02	179.08	28	0.998	141.89
	29	96.6	153.4	7.2	111.52	82.4	23.48	19.00	183.83	29	0.907	134.62
	30	81.1	139.1	7.2	111.43	73.9	19.03	19.00	188.51	30	0.911	124.47
	31	104.2	189.1	14.2	111.72	90.0	28.21	19.02	179.11	31	0.998	141.90
Sep	1	144.6	218.7	54.4	111.89	90.0	28.21	19.31	179.11	1	0.999	141.90
	2	130.2	206.3	40.2	111.83	90.0	28.21	19.18	179.12	2	0.998	141.91
	3	107.3	170.7	17.3	111.62	90.0	28.21	19.06	179.23	3	0.998	141.94
	4	94.7	130.6	7.2	111.30	87.5	24.66	19.00	180.83	4	0.901	139.77
	5	84.8	102.7	7.2	111.33	77.6	20.97	19.00	186.45	5	0.910	129.20
	6	77.6	125.1	7.2	111.34	70.4	17.26	19.00	190.40	6	0.911	117.30
	7	75.9	109.6	7.2	111.31	64.7	16.44	19.00	191.25	7	0.911	117.30
	8	74.2	109.6	7.2	111.31	67.0	16.40	19.00	192.04	8	0.910	114.77
	9	67.6	106.5	7.2	111.24	60.4	12.71	19.00	193.04	9	0.903	104.31
	10	61.7	101.1	7.2	111.19	55.3	10.73	19.00	197.04	10	0.895	95.89
	11	59.3	93.7	7.2	111.14	52.1	9.43	19.00	198.41	11	0.894	89.78
	12	54.0	86.7	7.2	111.11	48.9	8.39	19.00	199.60	12	0.876	83.46
	13	45.0	64.2	7.2	111.09	40.8	5.80	19.00	202.11	13	0.845	68.28
	14	49.4	63.9	7.2	111.07	42.4	6.26	19.00	201.46	14	0.832	71.40
	15	32.8	43.9	7.2	111.07	45.8	7.24	19.00	200.48	15	0.843	77.59
	16	47.2	73.0	7.2	111.01	40.0	5.57	19.00	202.41	16	0.841	66.74
	17	45.6	73.0	7.2	111.01	38.4	5.14	19.00	202.81	17	0.804	64.97
	18	44.4	74.4	7.2	111.04	39.2	5.33	19.00	202.40	18	0.801	70.11
	19	40.9	63.9	7.2	111.07	31.7	10.94	19.00	217.84	19	0.900	92.75
	20	54.4	63.9	7.2	111.07	37.2	7.74	19.00	203.17	20	0.871	80.65
	21	44.8	73.9	7.2	111.00	37.4	4.95	19.00	203.08	21	0.896	67.79
	22	41.6	64.2	7.2	110.93	34.4	4.13	19.00	203.92	22	0.911	62.65
	23	40.0	61.9	7.2	110.93	32.8	3.75	19.00	204.33	23	0.911	59.64
	24	38.3	61.9	7.2	110.93	31.3	3.41	19.00	204.64	24	0.910	57.12
	25	37.2	60.0	7.2	110.91	29.8	3.09	19.00	205.00	25	0.907	54.28
	26	34.3	56.1	7.2	110.90	28.1	2.85	19.00	205.15	26	0.908	52.91
	27	37.0	60.0	7.2	110.91	29.4	3.09	19.00	205.00	27	0.907	54.28
	28	40.0	64.0	7.2	110.94	33.4	3.93	19.00	204.15	28	0.912	61.28
	29	43.6	64.2	7.2	110.93	38.4	5.14	19.00	202.91	29	0.904	44.99
	30	37.8	61.9	7.2	110.93	30.4	3.26	19.00	204.41	30	0.909	55.81

87.08

Date	Discharge Den (m/s)	Discharge FPA (m/s)	RMP or Td Spillage water level m (m/s)	Plant Q level m (m/s)	Run level m (m/s)	Effect Head h (m/s)	Efficiency Unit m/s	Output MW	Month			
Oct	1	37.0	58.1	7.2	110.90	39.80	1.09	19.00	203.81	1	0.907	54.30
	2	84.7	101.1	7.2	111.19	79.50	22.01	19.00	197.80	2	0.909	131.54
	3	120.1	150.6	30.1	111.50	90.0	28.21	19.13	179.40	3	0.998	142.00
	4	83.9	119.6	7.2	111.31	75.70	18.96	19.00	187.73	4	0.911	124.64
	5	60.9	84.7	7.2	111.11	53.70	10.04	19.00	197.85	5	0.890	82.71
	6	51.3	75.0	7.2	111.01	44.00	6.74	19.00	201.24	6	0.859	74.54
	7	134.4	237.3	64.4	112.09	90.0	28.21	19.34	178.94	7	0.998	141.80
	8	479.8	410.4	147.8	113.15	90.0	28.21	19.53</				

POWER GENERATION SIMULATION

Year: 1983

Dow Area II
F.S.L. = 319.20 mBasin Head 179.30 m
Max. Plant Discharge 90.00 cum

Installed Capacity: 1470 MW

Date	Discharge Dow (cum)	Discharge F&I (cum)	R&F or Tail Spillage water level m	Plant Q (cum)	Loss	Raw level m	Effluent Head h	Effluent Unit m/s	Effluent MW	Month y Ave. MW
Jan. 1	93.0	130.7	7.2	111.34	83.8	23.64	319.00	1.000	138.21	
2	102.3	139.1	12.7	111.53	90.0	28.21	319.03	1.000	142.00	
3	76.8	136.3	7.2	111.41	68.6	16.87	319.00	1.000	118.34	
4	70.9	111.3	7.2	111.23	63.7	14.13	319.00	1.000	109.44	
5	68.3	128.6	7.2	111.34	62.1	13.40	319.00	1.000	104.53	
6	217.9	334.2	127.9	112.42	90.0	28.21	319.42	1.000	176.79	
7	303.6	477.4	453.5	113.68	90.0	28.21	320.04	1.000	178.19	
8	321.5	494.8	431.3	113.28	90.0	28.21	320.04	1.000	178.54	
9	427.8	611.1	577.4	113.95	90.0	28.21	319.87	1.000	176.71	
10	326.6	408.9	236.5	113.65	90.0	28.21	319.67	1.000	176.78	
11	274.1	330.8	194.1	112.41	90.0	28.21	319.54	1.000	176.34	
12	268.0	344.5	178.0	112.44	90.0	28.21	319.54	1.000	176.87	
13	236.4	343.5	168.4	112.54	90.0	28.21	319.32	1.000	176.77	
14	233.9	302.3	145.9	112.50	90.0	28.21	319.44	1.000	176.95	
15	202.6	279.8	122.6	112.19	90.0	28.21	319.38	1.000	176.96	
16	198.3	263.7	64.3	112.13	90.0	28.21	319.35	1.000	176.93	
17	146.5	218.7	24.3	111.89	90.0	28.21	319.21	1.000	176.11	
18	138.8	220.3	48.9	112.15	90.0	28.21	319.19	1.000	176.83	
19	147.8	302.3	157.8	112.30	90.0	28.21	319.49	1.000	176.99	
20	240.9	390.9	170.9	112.42	90.0	28.21	319.53	1.000	176.99	
21	324.4	377.4	162.4	112.44	90.0	28.21	319.51	1.000	176.84	
22	177.9	257.3	87.9	112.09	90.0	28.21	319.31	1.000	176.01	
23	125.5	197.4	35.3	111.79	90.0	28.21	319.14	1.000	176.15	
24	101.5	159.1	11.5	111.35	90.0	28.21	319.03	1.000	176.26	
25	91.2	142.0	7.2	111.45	64.8	24.57	319.00	1.000	182.94	
26	83.9	130.7	7.2	111.38	76.7	30.46	319.00	1.000	181.13	
27	75.0	125.1	7.2	111.34	67.8	16.01	319.00	1.000	181.45	
28	71.7	111.3	7.2	111.23	64.5	14.49	319.00	1.000	181.34	
29	113.8	142.0	7.2	111.45	90.0	28.21	319.08	1.000	179.42	
30	265.8	276.7	116.8	112.16	90.0	28.21	319.39	1.000	179.00	
31	244.5	491.7	224.5	112.81	90.0	28.21	319.75	1.000	176.43	138.21

Feb. 1	331.7	495.4	241.7	112.92	90.0	28.21	319.64	1.000	176.55	141.31
2	291.3	372.7	191.3	112.56	90.0	28.21	319.37	1.000	176.80	141.71
3	259.7	341.2	180.7	112.43	90.0	28.21	319.37	1.000	176.84	141.75
4	308.1	279.9	138.1	112.19	90.0	28.21	319.40	1.000	176.99	141.83
5	146.7	221.8	52.7	111.91	90.0	28.21	319.19	1.000	176.83	141.84
6	110.3	170.7	20.2	111.42	90.0	28.21	319.07	1.000	176.24	141.99
7	100.7	159.1	10.7	111.51	90.0	28.21	319.03	1.000	176.24	142.00
8	104.9	164.9	14.9	111.59	90.0	28.21	319.03	1.000	176.23	141.99
9	95.8	147.7	9.8	111.60	90.0	28.21	319.02	1.000	176.20	141.96
10	104.8	157.4	14.9	111.52	90.0	28.21	319.03	1.000	176.23	141.96
11	116.3	176.6	24.9	111.64	90.0	28.21	319.10	1.000	176.23	141.96
12	102.3	147.7	12.3	111.60	90.0	28.21	319.03	1.000	176.22	141.97
13	95.5	148.4	7.2	111.76	64.3	27.15	319.00	1.000	180.09	142.01
14	111.1	127.9	31.1	112.09	90.0	28.21	319.08	1.000	176.78	141.99
15	97.2	144.4	7.2	111.76	90.0	28.21	319.00	1.000	179.93	141.98
16	116.3	152.5	24.5	111.49	90.0	28.21	319.10	1.000	176.20	141.96
17	201.4	259.0	111.4	112.25	90.0	28.21	319.38	1.000	176.97	141.98
18	222.5	380.0	122.5	112.39	90.0	28.21	319.43	1.000	176.63	141.99
19	179.0	416.3	89.0	112.70	90.0	28.21	319.31	1.000	176.40	141.95
20	271.6	438.4	181.6	112.77	90.0	28.21	319.53	1.000	176.57	141.94
21	301.1	533.6	211.1	112.80	90.0	28.21	319.62	1.000	176.81	141.91
22	380.9	344.5	170.9	112.44	90.0	28.21	319.53	1.000	176.83	141.74
23	230.4	310.2	140.4	112.33	90.0	28.21	319.45	1.000	176.92	141.78
24	204.7	298.5	114.7	112.27	90.0	28.21	319.39	1.000	176.91	141.78
25	224.8	310.2	138.8	112.33	90.0	28.21	319.44	1.000	176.90	141.77
26	249.0	345.3	159.0	112.34	90.0	28.21	319.45	1.000	176.75	141.69
27	294.9	394.5	201.9	112.44	90.0	28.21	319.40	1.000	176.74	141.64
28	301.7	439.4	211.7	112.57	90.0	28.21	320.00	1.000	176.33	141.34

Mar. 1	714.4	1273.7	628.8	114.11	90.0	28.21	320.35	1.000	178.02	141.21
2	598.7	965.8	476.7	113.84	90.0	28.21	320.12	1.000	176.27	141.37
3	504.3	785.3	414.7	113.44	90.0	28.21	320.01	1.000	176.33	141.41
4	339.5	580.5	408.3	114.93	90.0	28.21	320.10	1.000	176.94	141.52
5	423.5	1122.6	377.5	113.91	90.0	28.21	319.84	1.000	177.74	141.03
6	334.3	897.2	344.3	113.30	90.0	28.21	319.69	1.000	176.17	141.01
7	340.8	997.9	250.9	113.13	90.0	28.21	319.70	1.000	176.34	141.42
8	345.8	548.3	275.8	113.63	90.0	28.21	319.73	1.000	176.51	141.52
9	397.5	302.2	297.5	112.93	90.0	28.21	319.79	1.000	176.45	141.61
10	408.5	491.7	319.5	112.91	90.0	28.21	319.83	1.000	176.72	141.63
11	394.3	457.4	304.3	112.82	90.0	28.21	319.81	1.000	176.77	141.69
12	410.9	453.6	320.9	112.81	90.0	28.21	319.84	1.000	176.82	141.72
13	380.3	454.6	270.5	112.75	90.0	28.21	319.74	1.000	176.77	141.69
14	278.4	344.5	184.4	112.44	90.0	28.21	319.54	1.000	176.99	141.76
15	222.4	310.2	162.4	112.33	90.0	28.21	319.51	1.000	176.97	141.82
16	216.9	283.1	136.5	112.31	90.0	28.21	319.42	1.000	176.00	141.83
17	138.8	224.9	48.8	111.92	90.0	28.21	319.19	1.000	176.05	141.87
18	104.1	176.6	14.1	111.64	90.0	28.21	319.04	1.000	176.17	141.94
19	106.6	175.6	14.6	111.64	90.0	28.21	319.05	1.000	176.20	141.94
20	91.3	157.6	7.2	111.64	68.3	27.15	319.00	1.000	180.21	142.02
21	90.4	157.4	7.2	111.52	63.2	24.11	319.00	1.000	183.37	142.04
22	79.3	130.7	7.2	111.38	72.1	18.10	319.00	1.000	186.32	142.04
23	75.0	125.1	7.2	111.34	67.8	16.01	319.00	1.000	191.45	142.04
24	72.8	123.3	7.2	111.35	65.4	14.90	319.00	1.000	192.78	142.04
25	70.9	119.6	7.2	111.31	63.7	14.13	319.00	1.000	193.54	142.04
26	70.0	116.8	7.2	111.29	62.8	13.74	319.00	1.000	193.97	142.04
27	70.9	114.1	7.2	111.27	61.7	13.19	319.00	1.000	193.60	142.04
28	64.0	111.3	7.2	111.25	58.8	12.04	319.00	1.000	195.70	142.04
29	69.3	106.6	7.2	111.34	62.1	13.43	319.00	1.000	194.33	142.04
30	70.0	103.6	7.2	111.20	62.8	13.74	319.00	1.000	194.04	142.04
31	64.0	106.6	7.2	111.24	58.8	12.04	319.00	1.000	192.72	142.04

Date	Discharge Dow (cum)	Discharge F&I (cum)	R&F or Tail Spillage water level m	Plant Q (cum)	Loss	Raw level m	Effluent Head h	Effluent Unit m/s	Effluent MW	Month y Ave. MW
Apr. 1	61.8	96.6	7.2	111.17	54.60	10.96	319.00	1.000	107.43	
2	63.5	93.7	7.2	111.14	54.30	11.04	319.00	1.000	106.82	
3	61.8	93.7	7.2	111.14	54.40	10.98	319.00	1.000	107.44	
4	63.5	93.7	7.2	111.14	54.30	11.04	319.00	1.000	106.82	
5	71.7	119.6	7.2	111.31	64.50	14.49	319.00	1.000	109.20	
6	247.8	303.3	157.8	112.30	90.0	28.21	319.49	1.000	176.99	
7	231.4	344.5	141.4	112.44	90.0	28.21	319.50	1.000	176.83	
8	186.4	257.3	78.6	112.09	90.0	28.21	319.33	1.000	176.99	
9	113.0	170.7	22.0	111.62	90.0	28.21	319.04	1.000	176.25	
10	84.6	137.4	7.2	111.40	61.40	23.08	319.00	1.000	181.37	
11	73.0	116.8	7.2	111.29	67.80	14.01	319.00	1.000	191.70	
12	71.7	108.6	7.2	111.34	64.50	14.49	319.00	1.000	193.27	
13	64.8	101.1	7.2	111.18	58.40	12.37	319.00	1.000	185.44	
14	63.5	93.7	7.2	111.14	54.30	11.04	319.00	1.000	106.82	
15	137.8	200.7	47.8	111.38	90.0	28.21	319.18	1.000	176.99	
16	131.8	154.4	61.6	111.76	90.0	28.21	319.23	1.000	176.94	
17	109.3	167.7	18.1							

POWER GENERATION SIMULATION

Year: 1983

Dam Act B
P.L. = 319.00 mReservoir
Max. Flood Damages179.30 m
900 mm

Installed Capacity 143.0 MW

Date	Discharge (cms)	Discharge P.H. (cms)	Spillage water (cms)	Spillage level (cms)	Plant Q (cms)	Loss	Raw level	Efficiency Head h (m)	Efficiency Loss (m)	Output MW	Month y Ave MW
Jul 1	236.5	538.3	146.5	112.51	90.0	28.21	319.47	178.73	2	0.899	141.67
2	206.8	517.1	116.8	112.53	90.0	28.21	319.39	178.83	2	0.899	141.72
3	211.3	520.2	121.3	112.57	90.0	28.21	319.40	178.87	2	0.899	141.75
4	183.3	276.7	91.3	112.18	90.0	28.21	319.33	178.94	2	0.898	141.80
5	138.5	220.7	62.5	112.05	90.0	28.21	319.25	178.99	2	0.898	141.83
6	415.1	702.5	323.1	115.32	90.0	28.21	319.83	178.32	2	0.899	141.40
7	931.4	2358.8	841.4	115.97	90.0	28.21	320.64	176.87	2	0.899	140.44
8	2401.3	7792.3	2343.3	117.24	90.0	28.21	322.33	176.99	2	0.899	140.48
9	3671.0	10672.8	3581.0	117.51	90.0	28.21	322.36	176.94	2	0.899	140.44
10	3117.8	9205.9	3027.8	116.49	90.0	28.21	322.04	177.13	2	0.899	140.45
11	1964.8	5303.5	1856.8	116.44	90.0	28.21	321.80	177.23	2	0.899	140.99
12	2496.8	7903.4	2406.8	117.54	90.0	28.21	322.41	176.84	2	0.899	140.44
13	2014.4	5144.9	1924.4	116.51	90.0	28.21	321.83	177.21	2	0.899	140.44
14	1473.4	3203.1	1383.4	115.90	90.0	28.21	321.34	177.43	2	0.899	140.91
15	1128.2	1761.1	1058.2	114.77	90.0	28.21	320.92	177.94	2	0.899	141.15
16	941.3	1469.3	831.3	114.37	90.0	28.21	320.67	178.08	2	0.899	141.23
17	1374.8	2144.1	1264.8	115.99	90.0	28.21	321.22	177.73	2	0.899	141.02
18	1212.3	1790.7	1059.3	114.75	90.0	28.21	320.91	177.84	2	0.899	141.16
19	837.5	1354.4	747.5	114.20	90.0	28.21	320.55	178.15	2	0.899	141.29
20	698.3	1181.5	608.3	113.56	90.0	28.21	320.29	178.35	2	0.899	141.35
21	375.4	688.2	445.4	113.42	90.0	28.21	320.13	178.29	2	0.899	141.38
22	301.2	782.4	411.2	113.44	90.0	28.21	320.00	178.35	2	0.899	141.42
23	432.0	703.5	520.0	113.33	90.0	28.21	319.91	178.39	2	0.898	141.44
24	436.0	640.6	546.0	113.27	90.0	28.21	319.84	178.40	2	0.899	141.45
25	671.2	1048.3	948.3	113.81	90.0	28.21	320.24	178.26	2	0.899	141.56
26	974.5	1521.5	1441.5	114.44	90.0	28.21	320.72	178.06	2	0.899	141.23
27	1218.0	1801.9	1728.0	114.96	90.0	28.21	321.03	177.84	2	0.899	141.11
28	1254.9	2118.2	2044.9	115.25	90.0	28.21	321.20	177.74	2	0.899	141.09
29	1212.3	2062.5	1952.3	115.17	90.0	28.21	321.16	177.77	2	0.899	141.05
30	954.8	1443.5	1344.5	114.34	90.0	28.21	320.85	178.10	2	0.899	141.24
31	938.0	1417.4	1318.0	114.20	90.0	28.21	320.62	178.11	2	0.899	141.28
Aug 1	1389.2	2164.5	1993.2	115.32	90.0	28.21	321.24	177.71	2	0.899	141.01
2	1314.7	2064.5	1884.7	115.36	90.0	28.21	321.38	177.99	2	0.899	140.93
3	1118.2	1743.5	1628.2	114.75	90.0	28.21	320.90	177.91	2	0.899	141.16
4	854.4	1357.7	1244.4	114.19	90.0	28.21	320.51	178.13	2	0.899	141.29
5	645.4	1029.0	919.0	113.78	90.0	28.21	320.27	178.27	2	0.899	141.37
6	574.2	859.9	744.2	113.53	90.0	28.21	320.04	178.32	2	0.899	141.40
7	457.2	713.9	587.2	113.33	90.0	28.21	319.87	178.34	2	0.899	141.44
8	414.8	647.4	524.8	113.22	90.0	28.21	319.84	178.42	2	0.899	141.44
9	377.8	588.7	477.8	113.11	90.0	28.21	319.77	178.43	2	0.899	141.48
10	315.2	546.3	435.2	113.03	90.0	28.21	319.73	178.49	2	0.899	141.50
11	234.8	397.0	234.8	112.94	90.0	28.21	319.67	178.51	2	0.899	141.52
12	280.5	461.2	280.5	112.93	90.0	28.21	319.60	178.54	2	0.899	141.53
13	246.6	418.2	246.6	112.90	90.0	28.21	319.54	178.62	2	0.899	141.59
14	227.3	354.8	227.3	112.90	90.0	28.21	319.44	178.71	2	0.899	141.64
15	207.4	324.0	207.4	112.96	90.0	28.21	319.39	178.80	2	0.899	141.71
16	205.1	317.1	205.1	112.93	90.0	28.21	319.38	178.82	2	0.899	141.72
17	163.5	257.8	163.5	112.44	90.0	28.21	319.42	178.77	2	0.899	141.66
18	125.4	200.8	125.4	112.42	90.0	28.21	319.60	178.67	2	0.899	141.62
19	273.4	427.0	353.4	112.74	90.0	28.21	319.53	178.41	2	0.899	141.53
20	239.8	372.7	309.8	112.56	90.0	28.21	319.47	178.70	2	0.899	141.64
21	207.6	334.0	274.0	112.56	90.0	28.21	319.39	178.80	2	0.898	141.71
22	192.1	299.9	249.9	112.28	90.0	28.21	319.35	178.84	2	0.899	141.73
23	181.4	283.1	233.1	112.21	90.0	28.21	319.32	178.90	2	0.899	141.77
24	171.0	246.9	216.9	112.13	90.0	28.21	319.29	178.93	2	0.898	141.80
25	202.9	277.3	247.3	112.09	90.0	28.21	319.37	179.03	2	0.898	141.82
26	187.4	244.5	214.5	112.02	90.0	28.21	319.34	179.11	2	0.898	141.90
27	180.5	218.7	200.5	111.89	90.0	28.21	319.26	179.16	2	0.898	141.93
28	120.7	182.3	132.3	111.49	90.0	28.21	319.13	179.21	2	0.898	141.94
29	114.4	167.7	124.4	111.42	90.0	28.21	319.05	179.21	2	0.898	142.00
30	109.3	154.3	114.3	111.34	90.0	28.21	318.97	179.21	2	0.898	142.00
31	104.1	142.4	104.1	111.32	90.0	28.21	318.94	179.21	2	0.898	142.00
Sep 1	122.3	140.0	122.3	111.37	90.0	28.21	319.13	179.33	2	0.898	142.00
2	108.3	120.7	108.3	111.42	90.0	28.21	319.07	179.24	2	0.898	141.98
3	84.5	144.9	72.3	111.47	88.3	37.15	319.00	180.34	2	0.900	140.53
4	90.4	176.1	72.3	111.43	81.3	34.11	319.00	180.46	2	0.906	139.53
5	104.1	176.1	141.3	111.43	90.0	28.21	319.04	179.40	2	0.898	140.00
6	115.5	176.1	115.5	111.52	90.0	28.21	319.03	179.30	2	0.898	140.00
7	93.5	147.7	72.3	111.44	84.3	27.15	319.00	180.34	2	0.900	140.52
8	90.4	139.5	72.3	111.43	83.2	24.11	319.00	180.46	2	0.904	139.53
9	83.0	130.7	72.3	111.34	74.8	19.49	319.00	180.44	2	0.911	129.44
10	83.0	119.6	72.3	111.31	74.8	19.49	319.00	180.31	2	0.911	129.72
11	75.0	114.1	72.3	111.27	74.8	19.49	319.00	180.72	2	0.911	130.99
12	75.9	118.6	72.3	111.21	66.7	14.44	319.00	181.23	2	0.911	137.30
13	84.4	136.3	72.3	111.41	81.4	23.08	319.00	184.51	2	0.928	137.39
14	95.8	132.4	72.3	111.40	84.6	24.12	319.00	181.49	2	0.932	138.94
15	118.3	230.7	23.3	112.03	90.0	28.21	319.11	178.94	2	0.899	141.73
16	286.7	437.9	196.7	112.80	90.0	28.21	319.29	178.41	2	0.899	141.50
17	227.0	363.6	177.0	112.40	90.0	28.21	319.44	178.03	2	0.898	141.40
18	177.5	293.8	116.3	112.23	90.0	28.21	319.25	178.79	2	0.899	141.70
19	123.1	210.2	63.1	112.33	90.0	28.21	319.17	178.43	2	0.899	141.60
20	117.3	200.7	27.3	112.05	90.0	28.21	319.10	178.84	2	0.899	141.73
21	104.1	202.4	41.1	111.79	90.0	28.21	319.04	179.04	2	0.898	141.84
22	94.8	200.4	8.8	111.79	90.0	28.21	319.01	179.01	2	0.898	141.84
23	606.5	1709.3	516.5	114.70	90.0	28.21	320.18	177.27	2	0.900	140.72
24	531.5	1745.5	741.5	114.73	90.0	28.21	320.33	177.59	2	0.900	140.93
25	701.1	1054.5	411.1	113.79	90.0	28.21	320.33	178.53	2	0.899	141.41
26	533.3	808.1	443.3	113.48	90.0	28.21	320.05	178.40	2	0.899	141.41
27	454.9	618.6	364.9	113.17	90.0	28.21	319.97	178.24	2	0.899	141.54
28	434.8	548.3	344.8	113.03	90.0	28.21	319.88	178.44	2	0.899	141.60
29	404.8	484.1	314.0	112.89	90.0	28.21	319.82	178.73	2	0.899	141.44
30	368.3	437.0	278.3	112.74	90.0	28.21	319.76	178.81	2	0.899	141.73

141.61

Date	Discharge (cms)	Discharge P.H. (cms)	Spillage water (cms)	Spillage level (cms)	Plant Q (cms)	Loss	Raw level	Efficiency Head h (m)	Efficiency Loss (m)	Output MW	Month y Ave MW
Oct 1	306.2	380.0	216.2	112.59	90.0	28.21	319.43	178.83	2	0.899	141.72
2	301.1	388.3	211.1	112.51	90.0	28.21	319.42	178.80	2	0.898	141.77
3	299.7	320.8	189.7	112.41	90.0	28.21	319.32	178.90	2	0.898	141.77
4	193.8	250.7	109.8	112.03	90.0	28.21	319.34	179.00	2	0.898	141.80
5	111.1	200.4	21.1	111.79	90.0	28.21	319.08	179.07	2	0.898	141.88
6	98.9										

POWER GENERATION SIMULATION

Year: 1984
 Dam Axis B
 F.S.L. = 119.00 m
 Road Head
 Max Plant Discharge : 179.30 m
 6000 cum

Installed Capacity 1420 MW

Date	Discharge Dam (cum)	Discharge Tail (cum)	RMP or Tail Spillage water level m (cum)	Plant Q (cum)	Loss	Run level	Effect Head h	Unit sec	Efficiency	Output MW	Month y Ave. MW
Jan 1	145.6	244.3	52.6	112.02	90.0	28.21	119.31	179.94	2	0.998	141.82
2	139.4	194.4	39.4	111.74	90.0	28.21	119.18	179.18	2	0.998	141.91
3	111.8	164.9	22.8	111.39	90.0	28.21	119.08	179.29	2	0.998	142.00
4	101.5	112.0	11.5	111.45	90.0	28.21	119.05	179.37	2	0.998	142.00
5	141.6	162.0	51.6	111.57	90.0	28.21	119.20	179.42	2	0.998	142.00
6	131.9	176.4	51.9	111.64	90.0	28.21	119.15	179.34	2	0.998	142.00
7	135.0	194.3	43.0	111.54	90.0	28.21	119.17	179.43	2	0.998	142.00
8	117.3	142.0	27.3	111.43	90.0	28.21	119.10	179.44	2	0.998	142.00
9	64.7	136.3	7.2	111.41	79.3	23.01	119.00	185.57	2	0.900	131.43
10	76.4	108.6	7.2	111.34	71.3	17.64	119.05	180.11	2	0.912	130.92
11	71.7	101.1	7.2	111.19	64.5	14.49	119.00	182.52	2	0.908	130.99
12	86.6	126.6	7.2	111.31	81.4	21.08	119.00	184.42	2	0.908	131.84
13	100.7	157.4	10.7	111.51	95.0	28.21	119.02	179.29	2	0.998	142.00
14	72.6	127.8	7.2	111.34	63.6	14.90	119.00	180.74	2	0.909	131.29
15	149.5	170.7	59.5	111.50	90.0	28.21	119.22	179.39	2	0.998	142.00
16	204.7	200.4	114.7	111.79	90.0	28.21	119.59	179.58	2	0.998	142.00
17	155.0	194.4	45.0	111.76	90.0	28.21	119.17	179.20	2	0.998	141.94
18	144.6	147.7	54.6	111.43	90.0	28.21	119.21	179.51	2	0.998	142.00
19	128.4	178.1	39.4	111.53	90.0	28.21	119.15	179.39	2	0.998	142.00
20	141.6	164.9	51.6	111.39	90.0	28.21	119.20	179.40	2	0.998	142.00
21	138.1	170.7	20.1	111.42	90.0	28.21	119.11	179.33	2	0.998	142.00
22	127.4	164.9	37.4	111.59	90.0	28.21	119.15	179.35	2	0.998	142.00
23	130.3	173.4	20.2	111.52	90.0	28.21	119.07	179.34	2	0.998	142.00
24	100.7	130.7	10.7	111.34	90.0	28.21	119.02	179.43	2	0.998	142.00
25	78.4	114.3	7.2	111.27	71.3	17.64	119.00	180.07	2	0.912	130.90
26	73.6	94.6	7.2	111.17	63.4	14.90	119.00	180.93	2	0.909	131.41
27	95.5	108.6	7.2	111.34	88.3	27.15	119.00	180.41	2	0.900	130.47
28	125.5	191.6	70.5	111.74	90.0	28.21	119.24	179.31	2	0.998	142.00
29	138.8	212.6	48.8	111.86	90.0	28.21	119.19	179.12	2	0.998	141.91
30	117.3	170.7	27.3	111.62	90.0	28.21	119.10	179.27	2	0.998	142.00
31	121.9	172.6	31.9	111.64	90.0	28.21	119.12	179.27	2	0.998	142.00
Feb 1	125.3	203.7	35.3	112.12	90.0	28.21	119.14	179.91	2	0.998	141.71
2	135.3	241.1	63.3	112.01	90.0	28.21	119.24	179.02	2	0.998	141.83
3	133.8	218.7	63.8	111.98	90.0	28.21	119.23	179.13	2	0.998	141.92
4	114.6	164.9	24.6	111.39	90.0	28.21	119.09	179.29	2	0.998	142.00
5	91.8	127.8	7.2	111.34	64.6	14.12	119.00	181.32	2	0.902	130.00
6	61.1	114.3	7.2	111.27	71.3	18.02	119.00	180.71	2	0.911	130.57
7	78.4	114.3	7.2	111.29	71.3	17.64	119.00	180.97	2	0.912	130.83
8	70.9	94.6	7.2	111.17	63.7	14.13	119.00	180.70	2	0.908	130.73
9	67.6	94.3	7.2	111.14	60.4	12.71	119.00	185.14	2	0.903	130.43
10	65.1	86.7	7.2	111.11	57.9	11.86	119.00	186.22	2	0.899	130.14
11	80.1	83.9	7.2	111.07	52.9	9.75	119.00	186.18	2	0.898	131.28
12	57.6	78.4	7.2	111.04	30.4	8.83	119.00	190.11	2	0.882	126.49
13	34.4	72.9	7.2	111.00	47.2	7.76	119.00	200.24	2	0.871	126.89
14	48.0	70.6	7.2	110.96	40.8	8.80	119.00	202.22	2	0.864	126.32
15	41.6	64.2	7.2	110.95	34.4	4.12	119.00	203.92	2	0.811	124.63
16	44.0	61.9	7.2	110.93	34.8	4.72	119.00	203.34	2	0.808	124.99
17	41.6	58.1	7.2	110.90	34.4	4.12	119.00	203.98	2	0.811	124.87
18	44.4	58.1	7.2	110.90	34.2	3.53	119.00	202.75	2	0.801	120.15
19	38.3	61.9	7.2	110.93	31.1	3.39	119.00	204.49	2	0.811	124.80
20	34.3	58.1	7.2	110.90	28.1	2.95	119.00	205.15	2	0.805	123.85
21	34.9	54.3	7.2	110.87	27.7	2.67	119.00	205.45	2	0.800	120.17
22	44.0	52.4	7.2	110.86	34.8	4.72	119.00	203.42	2	0.808	124.41
23	98.8	78.4	8.8	111.04	90.0	28.21	119.01	179.74	2	0.998	142.00
24	73.3	101.1	7.2	111.19	64.1	15.22	119.00	182.99	2	0.910	131.48
25	64.7	102.6	7.2	111.17	79.5	22.01	119.00	185.78	2	0.909	131.57
26	74.2	83.9	7.2	111.07	67.0	18.63	119.00	182.29	2	0.910	131.60
27	114.3	194.4	24.3	111.76	90.0	28.21	119.10	179.11	2	0.998	141.92
28	196.0	237.8	196.0	111.99	90.0	28.21	119.34	179.16	2	0.998	141.94
29	195.5	191.4	45.5	111.74	90.0	28.21	119.18	179.22	2	0.998	141.94
Mar 1	112.0	139.1	22.0	111.53	90.0	28.21	119.04	179.31	2	0.998	142.00
2	107.5	130.7	17.5	111.38	90.0	28.21	119.04	179.47	2	0.998	142.00
3	185.5	276.7	75.5	112.18	90.0	28.21	119.27	178.89	2	0.998	141.74
4	135.0	215.7	45.0	111.88	90.0	28.21	119.17	179.09	2	0.998	141.89
5	107.5	164.9	17.5	111.39	90.0	28.21	119.06	179.24	2	0.998	142.00
6	94.7	136.3	7.2	111.41	87.5	24.46	119.00	180.92	2	0.901	130.82
7	82.0	123.1	7.2	111.34	74.8	18.49	119.00	186.17	2	0.911	132.70
8	125.0	170.7	45.0	111.62	90.0	28.21	119.17	179.34	2	0.998	142.00
9	144.6	200.4	54.6	111.79	90.0	28.21	119.21	179.21	2	0.998	141.95
10	111.1	139.1	21.1	111.53	90.0	28.21	119.04	179.31	2	0.998	142.00
11	84.8	130.7	7.2	111.24	77.6	20.97	119.00	184.63	2	0.910	132.30
12	70.9	94.6	7.2	111.17	63.7	14.13	119.00	185.70	2	0.908	130.73
13	62.5	63.9	7.2	111.07	67.0	18.63	119.00	182.29	2	0.910	131.60
14	44.0	75.0	7.2	111.01	51.6	12.04	119.00	185.94	2	0.901	121.74
15	48.8	72.9	7.2	111.00	48.8	4.03	119.00	201.97	2	0.849	119.88
16	54.0	64.2	7.2	110.95	48.8	4.29	119.00	199.75	2	0.877	133.74
17	47.2	61.9	7.2	110.93	40.0	5.57	119.00	202.90	2	0.841	124.78
18	44.4	61.9	7.2	110.93	39.2	5.53	119.00	202.72	2	0.801	120.14
19	48.6	64.0	7.2	110.94	42.4	6.26	119.00	201.80	2	0.812	121.44
20	91.8	164.9	7.2	111.39	84.6	24.12	119.00	181.29	2	0.902	130.84
21	225.4	263.4	133.6	112.60	90.0	28.21	119.44	178.42	2	0.999	141.99
22	282.5	445.1	182.5	112.84	90.0	28.21	119.37	178.52	2	0.999	141.53
23	264.5	324.0	154.3	112.36	90.0	28.21	119.49	178.99	2	0.998	141.77
24	211.3	270.2	121.5	112.15	90.0	28.21	119.40	179.05	2	0.998	141.84
25	174.7	221.8	84.7	111.91	90.0	28.21	119.30	179.14	2	0.998	141.95
26	120.1	176.6	30.1	111.64	90.0	28.21	119.12	179.25	2	0.998	141.99
27	101.5	136.3	11.5	111.41	90.0	28.21	119.03	179.40	2	0.998	142.00
28	84.8	119.4	7.2	111.21	77.6	20.97	119.00	184.72	2	0.910	132.24
29	70.9	114.1	7.2	111.27	63.7	14.13	119.00	185.60	2	0.907	130.67
30	81.1	114.1	7.2	111.27	73.9	19.02	119.00	186.71	2	0.911	134.57
31	81.1	108.6	7.2	111.24	71.9	18.02	119.00	187.74	2	0.911	134.59

Date	Discharge Dam (cum)	Discharge Tail (cum)	RMP or Tail Spillage water level m (cum)	Plant Q (cum)	Loss	Run level	Effect Head h	Unit sec	Efficiency	Output MW	Month y Ave. MW
Apr 1	68.4	109.6	7.2	111.20	61.20	13.04	119.00	184.73	2	0.900	109.64
2	95.5	147.7	7.2	111.48	88.30	27.19	119.00	180.34	2	0.900	140.72
3	200.3	206.3	110.3	111.83	90.00	28.21	119.37	179.34	2	0.998	142.00
4	139.4	195.5	48.8	111.71	90.00	28.21	119.19	179.27	2	0.998	142.00
5	100.7	142.0	10.7	111.43	90.00	28.21	119.03	179.34	2	0.999	142.00
6	80.2	114.1	7.2	111.27	73.00	15.94	119.00	180.17	2	0.912	130.37
7	74.2	94.6	7.2	111.17	67.00	15.43	119.00	182.19	2	0.910	131.83
8	65.0	93.7	7.2	111.14	58.00	12.04	119.00	189.82	2	0.901	101.64
9	62.7	83.9	7.2	111.07	53.00	10.73	119.00	197.20	2	0.895	95.55
10	57.6	83.9	7.2	111.07	50.40	8.83	119.00	199.06			

POWER GENERATION SIMULATION

Year: 1984

Don Aze II
P.L.L. - 319.20 mRoad Head
Met. Point Discharge175.30 m
90.00 m/s

Installed Capacity 1470 MW

Date	Discharge (m³/s)	Discharge P.H.I. (m/s)	R.H.P. or T.H.P. Spillage water level (m)	Plant Q (m³/s)	Loss	Raw level	Edon Head h (m)	Effice Unit m/s	Output MW	Month y Ave MW		
Jul	1	88.6	122.5	7.2	111.33	82.4	23.45	319.00	184.03	2	0.907	184.74
	2	84.7	114.5	7.2	111.32	79.5	22.01	319.00	185.70	2	0.920	191.32
	3	84.8	109.4	7.2	111.31	77.6	20.97	319.00	186.72	2	0.930	192.24
	4	116.3	122.5	24.3	111.89	90.0	23.21	319.10	179.20	2	0.908	181.86
	5	120.3	122.4	40.3	111.84	90.0	23.21	319.20	179.16	2	0.908	181.82
	6	114.5	118.4	24.3	111.72	90.0	23.21	319.10	179.16	2	0.908	181.84
	7	278.9	220.1	108.9	122.15	90.0	23.21	319.37	179.21	2	0.909	181.87
	8	247.8	220.8	127.8	122.41	90.0	23.21	319.49	178.84	2	0.908	181.74
	9	225.9	240.5	115.9	122.10	90.0	23.21	319.41	179.13	2	0.908	181.92
	10	178.9	212.6	84.9	111.84	90.0	23.21	319.31	179.24	2	0.908	181.99
	11	125.5	185.3	53.3	111.71	90.0	23.21	319.14	179.22	2	0.908	181.97
	12	122.8	147.7	22.8	111.48	90.0	23.21	319.09	179.39	2	0.908	182.00
	13	144.6	244.3	54.4	122.02	90.0	23.21	319.21	178.97	2	0.908	181.82
	14	220.3	446.0	120.3	122.79	90.0	23.21	319.43	178.47	2	0.909	181.47
	15	244.4	441.2	174.4	122.83	90.0	23.21	319.53	178.49	2	0.909	181.51
	16	220.3	446.0	250.2	122.79	90.0	23.21	319.64	178.46	2	0.909	181.51
	17	244.4	441.2	250.2	122.79	90.0	23.21	319.54	178.79	2	0.909	181.49
	18	205.6	299.9	116.8	122.28	90.0	23.21	319.39	178.80	2	0.908	181.77
	19	172.7	250.7	82.7	122.05	90.0	23.21	319.30	179.03	2	0.908	181.85
	20	162.4	218.7	72.4	111.89	90.0	23.21	319.27	179.16	2	0.908	181.94
	21	234.3	310.2	244.3	122.37	90.0	23.21	319.49	179.15	2	0.908	181.93
	22	244.7	340.0	254.7	122.59	90.0	23.21	319.71	178.91	2	0.908	181.78
	23	204.0	320.8	204.9	122.41	90.0	23.21	319.40	178.98	2	0.908	181.82
	24	242.0	280.1	172.0	122.21	90.0	23.21	319.33	179.11	2	0.908	181.90
	25	232.8	244.5	142.8	122.02	90.0	23.21	319.44	179.23	2	0.908	181.94
	26	213.8	230.7	128.4	122.05	90.0	23.21	319.42	179.15	2	0.908	181.93
	27	176.9	218.7	84.9	111.89	90.0	23.21	319.31	179.21	2	0.908	181.97
	28	150.2	193.7	60.3	111.42	90.0	23.21	319.14	179.22	2	0.908	182.00
	29	111.1	147.7	22.8	111.48	90.0	23.21	319.09	179.39	2	0.908	182.00
	30	102.3	136.3	13.3	111.41	90.0	23.21	319.04	179.41	2	0.908	182.00
	31	86.1	122.9	8.1	111.34	90.0	23.21	319.01	179.44	2	0.908	182.00
Aug	1	92.8	127.8	7.2	111.34	84.4	24.12	319.00	181.21	2	0.902	189.00
	2	172.7	197.4	82.7	111.78	90.0	23.21	319.30	179.31	2	0.908	192.00
	3	220.3	340.0	120.3	122.54	90.0	23.21	319.43	178.46	2	0.909	181.47
	4	202.4	423.4	122.6	122.73	90.0	23.21	319.35	178.44	2	0.909	181.48
	5	184.9	540.1	294.8	122.00	90.0	23.21	319.79	178.54	2	0.909	181.55
	6	120.1	226.6	133.7	116.63	90.0	23.21	321.14	176.28	2	0.901	180.00
	7	196.0	388.4	177.0	122.36	90.0	23.21	321.48	176.31	2	0.901	180.10
	8	181.8	271.7	128.4	116.04	90.0	23.21	321.72	177.48	2	0.902	180.13
	9	179.0	218.4	144.0	115.27	90.0	23.21	321.43	177.93	2	0.908	181.45
	10	127.8	134.6	116.8	114.13	90.0	23.21	321.05	178.49	2	0.909	181.44
	11	101.9	104.6	92.8	114.07	90.0	23.21	320.78	178.49	2	0.909	181.51
	12	82.4	98.8	73.4	113.74	90.0	23.21	320.50	178.54	2	0.909	181.53
	13	646.3	772.8	731.3	122.43	90.0	23.21	320.37	178.43	2	0.909	181.40
	14	548.7	647.6	478.7	122.22	90.0	23.21	320.12	178.49	2	0.909	181.43
	15	367.6	581.4	417.6	122.10	90.0	23.21	320.01	178.70	2	0.909	181.60
	16	482.3	522.5	382.3	122.05	90.0	23.21	319.97	178.79	2	0.909	181.69
	17	447.4	484.1	377.6	122.09	90.0	23.21	319.91	178.81	2	0.909	181.71
	18	415.1	448.8	325.1	122.00	90.0	23.21	319.85	178.83	2	0.909	181.73
	19	382.1	423.4	282.1	122.73	90.0	23.21	319.79	178.85	2	0.909	181.74
	20	304.9	345.5	214.9	122.54	90.0	23.21	319.42	178.84	2	0.908	181.75
	21	257.2	310.2	187.2	122.35	90.0	23.21	319.52	178.99	2	0.909	181.82
	22	202.3	280.0	130.5	122.25	90.0	23.21	319.37	178.91	2	0.908	181.78
	23	168.4	230.9	78.6	122.41	90.0	23.21	319.36	178.67	2	0.909	181.42
	24	175.8	280.7	87.5	122.34	90.0	23.21	319.35	178.80	2	0.909	181.71
	25	249.3	478.4	179.3	122.77	90.0	23.21	319.54	178.37	2	0.909	181.54
	26	313.5	581.4	222.3	122.70	90.0	23.21	319.41	178.41	2	0.909	181.66
	27	247.8	423.4	177.8	122.73	90.0	23.21	319.45	178.45	2	0.909	181.71
	28	197.1	377.6	107.1	122.44	90.0	23.21	319.37	178.72	2	0.909	181.64
	29	168.4	281.1	78.6	122.21	90.0	23.21	319.34	178.87	2	0.909	181.73
	30	130.5	230.7	40.3	122.05	90.0	23.21	319.31	178.94	2	0.908	181.81
	31	102.7	211.3	20.7	121.94	90.0	23.21	319.19	179.01	2	0.908	181.83
Sep	1	123.1	218.7	43.1	111.89	90.0	23.21	319.17	179.07	2	0.908	181.84
	2	122.3	202.5	35.3	111.81	90.0	23.21	319.14	179.12	2	0.908	181.91
	3	113.5	186.4	23.5	111.72	90.0	23.21	319.10	179.16	2	0.908	181.94
	4	111.1	176.5	21.1	111.64	90.0	23.21	319.08	179.21	2	0.908	181.97
	5	103.8	170.7	13.8	111.62	90.0	23.21	319.05	179.23	2	0.908	181.99
	6	99.9	159.1	8.8	111.53	90.0	23.21	319.02	179.25	2	0.908	181.97
	7	94.6	147.4	8.8	111.44	90.0	23.21	319.01	179.32	2	0.908	182.00
	8	94.6	137.4	8.8	111.52	90.0	23.21	319.01	179.24	2	0.908	182.00
	9	91.5	137.4	7.2	111.52	88.1	27.13	319.00	180.33	2	0.900	180.49
	10	90.4	142.0	7.2	111.45	83.2	24.11	319.00	180.44	2	0.904	180.52
	11	84.8	130.7	7.2	111.38	77.6	20.97	319.00	180.65	2	0.910	180.20
	12	81.1	125.1	7.2	111.34	73.9	19.02	319.00	180.64	2	0.911	180.32
	13	82.9	125.1	7.2	111.34	73.7	19.94	319.00	180.70	2	0.911	180.44
	14	64.8	120.7	7.2	111.24	77.6	20.97	319.00	180.65	2	0.910	180.20
	15	77.6	120.7	7.2	111.24	80.1	22.31	319.00	180.56	2	0.908	180.35
	16	94.6	136.3	7.2	111.41	81.4	21.08	319.00	180.51	2	0.908	180.39
	17	75.9	118.4	7.2	111.31	64.7	14.44	319.00	180.35	2	0.911	180.30
	18	72.4	108.6	7.2	111.24	63.4	14.90	319.00	180.87	2	0.909	180.37
	19	117.3	134.8	27.3	111.29	90.0	23.21	319.10	179.60	2	0.908	180.00
	20	376.3	408.9	246.8	122.66	90.0	23.21	319.49	178.80	2	0.909	181.71
	21	246.8	320.5	176.8	122.37	90.0	23.21	319.54	178.94	2	0.908	181.81
	22	180.3	247.3	93.3	122.04	90.0	23.21	319.33	179.06	2	0.908	181.84
	23	116.3	167.7	24.3	111.80	90.0	23.21	319.10	179.24	2	0.908	182.00
	24	100.7	142.0	10.7	111.43	90.0	23.21	319.02	179.35	2	0.908	182.00
	25	204.8	212.6	116.8	111.29	90.0	23.21	319.39	179.33	2	0.908	182.00
	26	212.3	228.5	131.3	113.37	90.0	23.21	320.04	178.45	2	0.909	181.48
	27	497.4	648.9	407.4	122.29	90.0	23.21	319.99	178.30	2	0.909	181.31
	28	417.9	540.1	377.9	122.02	90.0	23.21	319.85	178.42	2	0.909	181.30
	29	347.1	401.7	277.1	122.46	90.0	23.21	319.75	178.44	2	0.909	181.74
	30	229.3	317.1	199.3	122.35	90.0	23.21	319.45	178.89	2	0.908	181.74

Date	Discharge (m³/s)	Discharge P.H.I. (m/s)	R.H.P. or T.H.P. Spillage water level (m)	Plant Q (m³/s)	Loss	Raw level	Edon Head h (m)	Effice Unit m/s	Output MW	Month y Ave MW		
Oct	1	167.4	244.3	77.4	122.02	90.0	23.21	319.24	178.05	2	0.908	181.84
	2	144.6	218.7	54.4	111.89	90.0	23.21	319.31	179.11	2	0.908	181.90
	3	128.4	191.4	38.4	111.74	90.0	23.21	319.18	179.30	2	0.908	181.94
	4	118.3										

POWER GENERATION SIMULATION

Year: 1985 Due At: 31.00 m Rated Head: 179.20 m Installed Capacity: 1410 MW
 F.S.L.: 319.00 m Max. Plant Discharge: 9000 cusec

Date	Discharge Cum (cusec)	Discharge FPI (cusec)	Spillage over Spillways (cusec)	Plant Q Level m (cum)	Plant Q Loss	Raw Level	Effici. Head h	Effici. Unit sec	Output MW	Month y Ave. MW
Jan 1	102.8	130.7	11.9	111.36	90.0	28.31	119.05	179.44	2.0380	142.00
2	122.8	157.4	22.9	111.32	90.0	28.31	119.40	179.40	2.0380	142.00
3	90.4	123.1	7.2	111.34	83.3	24.11	119.00	183.55	2.0306	133.99
4	64.0	93.7	7.2	111.14	54.8	12.04	119.00	185.82	2.0301	101.64
5	51.2	78.4	7.2	111.04	44.0	6.74	119.00	201.31	2.0330	74.30
6	53.2	72.0	7.2	111.01	48.0	8.02	119.00	199.94	2.0374	82.30
7	54.4	81.6	7.2	111.04	47.0	7.76	119.00	200.18	2.0371	82.46
8	55.5	109.6	7.2	111.31	88.3	27.13	119.00	180.54	2.0360	140.43
9	90.4	130.7	7.2	111.32	90.0	28.31	119.00	183.55	2.0364	135.54
10	64.0	94.4	7.2	111.17	54.8	12.04	119.00	185.79	2.0301	101.64
11	54.4	78.4	7.2	111.04	41.2	7.76	119.00	200.20	2.0371	80.67
12	48.0	68.4	7.2	110.97	40.8	5.80	119.00	202.33	2.0345	68.33
13	49.6	64.2	7.2	110.92	43.4	6.34	119.00	201.78	2.0332	71.46
14	41.6	41.6	7.2	110.93	34.4	4.32	119.00	205.95	2.0311	41.66
15	38.5	34.2	7.2	110.89	31.3	3.41	119.00	204.70	2.0310	37.13
16	67.6	78.4	7.2	111.04	40.4	12.71	119.00	193.23	2.0304	104.42
17	177.8	170.7	47.4	111.42	90.0	28.31	119.18	179.33	2.0308	142.00
18	111.1	147.7	21.1	111.42	90.0	28.31	119.08	179.34	2.0308	142.00
19	73.4	104.1	7.2	111.22	63.4	14.80	119.00	182.84	2.0309	112.38
20	34.8	78.4	7.2	111.04	48.4	8.57	119.00	199.99	2.0379	83.30
21	48.0	64.4	7.2	110.97	40.8	5.80	119.00	202.33	2.0345	68.33
22	44.8	61.9	7.2	110.92	37.6	4.82	119.00	205.15	2.0304	67.23
23	41.6	58.1	7.2	110.90	34.4	4.12	119.00	202.96	2.0311	62.87
24	32.8	58.1	7.2	110.90	41.6	7.24	119.00	200.86	2.0345	77.68
25	45.6	64.0	7.2	110.94	35.4	5.14	119.00	202.95	2.0304	68.00
26	39.3	54.2	7.2	110.87	32.1	3.99	119.00	204.54	2.0311	54.41
27	36.3	50.5	7.2	110.83	28.1	3.95	119.00	205.30	2.0302	52.95
28	34.2	50.5	7.2	110.85	27.0	2.54	119.00	205.61	2.0307	48.78
29	32.7	44.7	7.2	110.82	25.5	2.36	119.00	205.81	2.0309	45.73
30	34.2	44.8	7.2	110.81	27.0	2.54	119.00	205.65	2.0307	48.79
31	72.7	146.7	7.2	110.92	25.5	2.36	119.00	205.81	2.0309	45.73
Feb 1	32.0	42.9	7.2	110.79	24.8	2.14	119.00	206.04	2.0304	44.30
2	41.2	54.1	7.2	110.80	36.0	4.51	119.00	201.89	2.0310	45.33
3	54.3	54.3	7.2	110.87	49.6	8.37	119.00	198.54	2.0379	83.29
4	78.4	94.6	7.2	111.17	72.6	17.46	119.00	180.17	2.0312	120.94
5	112.8	122.5	22.8	111.09	90.0	28.31	119.08	179.18	2.0308	141.95
6	92.1	136.3	7.2	111.41	94.9	25.30	119.00	182.48	2.0304	137.30
7	61.8	93.7	7.2	111.14	54.8	12.04	119.00	185.74	2.0307	94.71
8	48.0	70.4	7.2	110.98	40.8	5.80	119.00	202.32	2.0345	68.32
9	43.2	64.2	7.2	110.95	34.0	4.51	119.00	203.53	2.0310	63.51
10	30.4	72.2	7.2	111.03	43.0	6.50	119.00	201.47	2.0336	72.98
11	99.8	106.1	9.8	111.22	90.0	28.31	119.02	179.59	2.0308	142.00
12	125.3	143.9	62.5	111.45	90.0	28.31	119.23	179.57	2.0308	142.00
13	79.4	141.2	34.84	112.45	90.0	28.31	119.70	179.04	2.0306	141.84
14	377.9	399.3	447.9	113.30	90.0	28.31	120.04	178.45	2.0305	141.41
15	492.9	672.4	462.9	113.36	90.0	28.31	119.99	178.52	2.0309	141.52
16	415.1	532.4	325.1	113.04	90.0	28.31	119.85	178.99	2.0309	141.57
17	371.2	499.4	281.2	112.95	90.0	28.31	119.76	178.63	2.0309	141.59
18	338.3	414.2	239.2	112.70	90.0	28.31	119.44	178.74	2.0309	141.44
19	344.7	380.0	254.7	112.50	90.0	28.31	119.71	178.91	2.0309	141.74
20	423.5	442.2	335.5	112.78	90.0	28.31	119.44	178.87	2.0309	141.75
21	477.8	476.5	347.8	112.87	90.0	28.31	119.82	178.84	2.0309	141.73
22	481.2	515.2	391.0	112.96	90.0	28.31	119.97	178.79	2.0309	141.70
23	401.2	488.9	311.2	112.83	90.0	28.31	119.82	178.78	2.0309	141.68
24	344.4	473.7	271.4	112.60	90.0	28.31	119.66	178.89	2.0309	141.66
25	276.4	313.6	186.4	112.34	90.0	28.31	119.54	179.01	2.0309	141.84
26	124.4	283.1	102.4	112.21	90.0	28.31	119.51	179.09	2.0309	141.89
27	114.6	277.3	124.6	112.09	90.0	28.31	119.41	179.12	2.0309	141.91
28	148.6	212.4	54.6	111.84	90.0	28.31	119.22	179.15	2.0309	141.93
Mar 1	179.1	167.7	25.1	111.40	90.0	28.31	119.11	179.30	2.0308	142.00
2	104.1	147.7	14.1	111.48	90.0	28.31	119.04	179.33	2.0308	142.00
3	92.1	125.1	7.2	111.34	84.9	15.10	119.00	183.55	2.0304	137.34
4	81.1	114.1	7.2	111.27	73.9	13.02	119.00	186.71	2.0311	124.57
5	81.1	106.1	7.2	111.22	73.9	13.02	119.00	186.76	2.0311	124.60
6	79.3	108.6	7.2	111.24	72.1	14.10	119.00	186.46	2.0312	122.17
7	74.2	102.6	7.2	111.20	67.0	11.63	119.00	192.16	2.0310	114.83
8	79.3	106.1	7.2	111.22	72.1	14.10	119.00	186.47	2.0312	122.18
9	74.2	101.1	7.2	111.19	67.0	11.63	119.00	192.18	2.0310	114.84
10	349.9	194.4	159.0	111.74	90.0	28.31	119.59	179.53	2.0308	142.00
11	309.6	203.7	115.6	112.12	90.0	28.31	119.34	179.06	2.0305	141.87
12	130.2	170.7	40.2	111.62	90.0	28.31	119.16	179.32	2.0308	142.00
13	82.1	125.1	7.2	111.34	84.9	15.10	119.00	183.55	2.0304	137.34
14	82.9	106.6	7.2	111.26	75.7	13.86	119.00	187.84	2.0311	126.95
15	75.0	91.2	7.2	111.12	67.6	14.99	119.00	191.87	2.0311	116.09
16	75.9	92.7	7.2	111.14	66.7	14.44	119.00	191.42	2.0311	117.40
17	72.4	86.4	7.2	111.17	63.4	14.80	119.00	192.95	2.0309	112.41
18	63.5	86.7	7.2	111.11	54.3	11.04	119.00	194.53	2.0306	97.35
19	54.6	78.4	7.2	111.04	48.4	8.57	119.00	199.99	2.0379	83.30
20	54.4	78.4	7.2	110.98	47.3	7.76	119.00	200.24	2.0371	80.70
21	51.2	64.2	7.2	110.95	44.0	6.74	119.00	201.30	2.0330	74.34
22	53.2	64.2	7.2	110.95	48.0	8.02	119.00	200.02	2.0374	82.30
23	70.9	83.9	7.2	111.07	63.7	14.13	119.00	190.79	2.0308	109.79
24	62.9	114.1	7.2	111.27	73.7	13.96	119.00	187.77	2.0311	126.90
25	141.5	170.7	71.5	111.62	90.0	28.31	119.54	179.43	2.0308	142.00
26	233.1	280.7	138.3	112.24	90.0	28.31	119.45	179.00	2.0308	141.84
27	202.6	276.7	112.6	112.14	90.0	28.31	119.34	178.99	2.0308	141.83
28	140.7	211.8	90.7	111.91	90.0	28.31	119.19	179.08	2.0308	141.84
29	104.1	164.9	14.1	111.59	90.0	28.31	119.04	179.34	2.0308	141.99
30	101.5	147.7	11.5	111.48	90.0	28.31	119.03	179.33	2.0308	142.00
31	78.4	119.6	7.2	111.31	71.2	17.66	119.00	182.04	2.0312	120.87

Date	Discharge Cum (cusec)	Discharge FPI (cusec)	Spillage over Spillways (cusec)	Plant Q Level m (cum)	Plant Q Loss	Raw Level	Effici. Head h	Effici. Unit sec	Output MW	Month y Ave. MW
Apr 1	57.6	84.6	7.2	111.17	50.40	8.83	119.00	198.94	2.0381	84.63
2	47.6	83.7	7.2	111.14	40.40	12.71	119.00	193.13	2.0303	104.34
3	70.9	94.6	7.2	111.17	63.70	14.13	119.00	190.70	2.0308	109.73
4	40.9	83.9	7.2	111.07	53.70	10.04	119.00	197.83	2.0300	82.73
5	110.2	119.6	20.1	111.31	90.00	28.31	119.07	179.55	2.0308	142.00
6	306.2	344.3	114.3	113.82	90.00	28.31	119.63	178.39	2.0309	141.43
7	323.1	381.4	292.1	115.10	90.00	28.31	119.78	178.17	2.0309	141.20
8	309.9	418.4	239.9	115.72	90.00	28.31	119.83	178.71	2.0309	141.45
9	214.6	300.9	134.4	112.51	90.00	28.31	119.41	178.89	2.0308	141.76
10	141.5	241.1	71.5	112.01	90.00	28.31	119.24	179.05	2.0308	141.85
11	113.5	194.4	25.3	111.74	90.00	28.31	119.10	179.13	2.0308	141.92
12	114.6	184.4	24.4	111.72	90.00	28.31	119.09	179.16	2.0308	141.93
13	150.7	147.7	10.7	111.49	90.00	28.31	119.53	179.33	2.0309	142.00
14	93.8	136.3	7.2	111.41	84.40	24.13	119.00	181.47	2.0302	138.97
15	64.6	130.7	7.2	111.39	81.40	23.08	119.00	184.54	2.0304	133.83
16	114.3	263.1	26.3	112.21</						

Year: 1985	Don Air B	Rated Head :	179.30 m	Installed Capacity :	142.8 MW
	F.R.L = 319.00 m	Max. Power Discharge :	90.00 cum		

72.06

虹管

POWER GENERATION SIMULATION

Year: 1986

Des Area B
F.S.L. = 519.00 mReservoir
Max. Plant Discharge
179.30 m
90.00 cms

Installed Capacity 141.0 MW

Date	Discharge Des (cms)	Discharge P/H (cms)	RMP or Tail Spillage water level to (cms)	Plant Q (cms)	Raw level (cms)	Effect Head (cms)	Effect Unit Use sec	Output MW	Month y Ave MW
Jan 1	6.9	131	4.9 110.40	0.0	0.00	319.00	208.40	0.000	0.00
2	13.7	131	13.7 110.40	0.0	0.15	319.00	208.35	0.000	0.00
3	16.3	131	16.3 110.40	0.0	0.28	319.00	208.12	0.000	0.00
4	9.9	21.2	9.9 110.64	0.0	0.53	319.00	208.35	0.000	0.00
5	8.8	17.3	8.8 110.62	0.0	0.51	319.00	208.37	0.000	0.00
6	7.6	15.1	7.6 110.60	0.0	0.50	319.00	208.40	0.000	0.00
7	6.4	14.9	6.4 110.59	0.0	0.50	319.00	208.41	0.000	0.00
8	5.1	14.3	5.1 110.59	0.0	0.50	319.00	208.41	0.000	0.00
9	4.7	13.4	4.7 110.59	0.0	0.50	319.00	208.41	0.000	0.00
10	4.7	12.6	4.7 110.54	0.0	0.50	319.00	208.42	0.000	0.00
11	6.9	13.1	6.9 110.60	0.0	0.50	319.00	208.40	0.000	0.00
12	10.6	13.4	10.6 110.59	0.0	0.04	319.00	208.37	0.000	0.00
13	11.1	22.4	11.1 110.63	0.0	0.03	319.00	208.30	0.000	0.00
14	34.3	27.3	7.2 110.69	17.1	1.03	319.00	207.30	1.031	28.24
15	21.6	48.6	21.6 110.83	0.0	0.72	319.00	207.44	0.000	0.00
16	22.0	43.9	22.0 110.79	15.4	0.87	319.00	207.34	1.797	33.99
17	16.3	38.2	16.3 110.74	0.0	0.38	319.00	207.64	0.000	0.00
18	12.3	28.9	12.3 110.70	0.0	0.09	319.00	208.31	0.000	0.00
19	44.6	42.9	7.2 110.79	37.4	4.92	319.00	207.38	1.924	47.83
20	41.6	38.1	7.2 110.80	34.4	4.12	319.00	207.96	1.911	43.47
21	67.2	70.6	7.2 110.96	40.0	5.77	319.00	206.44	2.041	64.76
22	34.3	64.0	7.2 110.94	26.1	2.95	319.00	205.11	1.095	52.82
23	28.9	50.5	7.2 110.93	23.7	1.79	319.00	204.36	1.070	39.92
24	48.0	42.9	7.2 110.79	40.8	3.80	319.00	203.41	2.045	64.40
25	43.2	46.2	7.2 110.95	36.0	4.51	319.00	203.53	1.945	65.31
26	28.5	46.7	7.2 110.82	21.3	1.58	319.00	204.60	1.058	35.60
27	23.0	33.3	7.2 110.73	15.8	0.87	319.00	207.40	1.797	25.00
28	28.5	30.4	7.2 110.71	21.3	1.58	319.00	206.71	1.038	37.02
29	28.9	32.6	7.2 110.75	22.7	1.79	319.00	206.46	1.070	39.24
30	34.3	42.9	7.2 110.79	27.0	2.54	319.00	205.67	1.997	48.79
31	34.7	43.9	7.2 111.07	26.9	2.61	319.00	205.21	2.002	47.74
Feb 1	160.3	182.5	70.3 111.49	90.0	28.21	319.26	179.34	2.098	142.00
2	280.8	237.3	180.8 112.09	90.0	28.21	319.58	179.28	2.098	142.00
3	232.4	276.7	182.4 112.18	90.0	28.21	319.31	179.12	2.098	141.91
4	139.4	170.7	98.4 111.62	90.0	28.21	319.15	179.22	2.098	142.00
5	63.9	106.6	7.2 111.34	75.7	19.96	319.00	187.80	2.011	126.93
6	57.4	77.2	7.2 111.03	30.4	8.85	319.00	199.13	1.042	54.70
7	44.6	58.1	7.2 110.80	37.4	4.92	319.00	207.18	1.904	47.82
8	49.6	54.1	7.2 110.90	42.4	4.36	319.00	201.84	2.042	71.48
9	44.0	58.1	7.2 110.80	40.8	3.80	319.00	202.30	2.045	64.38
10	80.9	64.0	7.2 110.94	53.7	10.04	319.00	198.02	2.091	92.80
11	77.6	79.4	7.2 111.04	70.4	17.26	319.00	190.70	2.031	119.92
12	139.3	147.7	49.8 111.48	90.0	28.21	319.19	179.50	2.098	142.00
13	130.2	156.3	40.2 111.54	90.0	28.21	319.16	179.41	2.098	142.00
14	95.7	119.4	7.2 111.31	88.3	27.15	319.00	180.54	2.000	140.43
15	90.3	88.7	7.2 111.11	62.1	15.43	319.00	194.46	2.006	107.19
16	54.8	72.9	7.2 111.00	49.6	8.57	319.00	195.43	2.075	85.22
17	60.9	108.6	7.2 111.34	53.7	10.04	319.00	197.72	2.092	92.64
18	54.4	78.4	7.2 111.04	47.2	7.74	319.00	203.20	2.071	80.47
19	51.2	64.2	7.2 110.95	44.0	4.74	319.00	201.30	2.039	74.56
20	56.0	57.7	7.2 111.16	48.8	8.29	319.00	199.57	2.076	83.63
21	50.4	83.9	7.2 111.07	43.2	6.00	319.00	201.43	2.036	72.94
22	56.0	75.0	7.2 111.01	48.8	8.29	319.00	199.49	2.077	83.71
23	44.8	64.0	7.2 110.94	37.6	4.92	319.00	203.14	1.906	47.81
24	47.2	77.2	7.2 111.03	40.0	5.77	319.00	202.40	2.041	64.74
25	73.9	137.4	7.2 111.40	66.7	16.44	319.00	191.17	2.031	117.24
26	70.3	130.7	7.2 111.33	63.9	13.74	319.00	193.89	2.038	108.16
27	64.2	111.3	7.2 111.25	57.0	11.30	319.00	194.43	2.098	94.49
28	118.7	206.5	26.3 111.83	90.0	28.21	319.11	179.07	2.098	141.88
Mar 1	157.5	203.4	63.5 111.79	90.0	28.21	319.34	179.23	2.098	141.98
2	120.9	200.4	30.9 111.79	90.0	28.21	319.12	179.12	2.098	141.91
3	77.6	147.7	7.2 111.43	70.4	17.26	319.00	180.25	2.011	119.64
4	57.4	103.6	7.2 111.30	30.4	8.85	319.00	196.93	2.041	64.61
5	43.2	78.4	7.2 111.04	34.0	4.31	319.00	203.44	1.910	45.28
6	41.6	64.2	7.2 110.95	34.4	4.12	319.00	203.92	1.911	42.63
7	35.7	60.0	7.2 110.91	28.3	2.83	319.00	205.26	1.907	31.75
8	31.3	54.3	7.2 110.87	24.1	2.02	319.00	206.10	1.940	42.83
9	28.5	48.6	7.2 110.83	21.3	1.58	319.00	206.59	1.938	34.99
10	17.1	42.9	7.2 110.79	18.9	1.38	319.00	206.83	1.945	34.06
11	27.1	44.8	7.2 110.81	18.9	1.38	319.00	206.81	1.945	34.05
12	54.4	83.9	7.2 111.07	47.2	7.74	319.00	200.17	2.071	80.45
13	64.2	106.6	7.2 111.24	57.0	11.32	319.00	196.45	2.096	94.50
14	51.2	83.9	7.2 111.07	44.0	6.74	319.00	201.18	2.039	74.51
15	56.0	83.9	7.2 111.07	48.8	8.29	319.00	199.63	2.076	83.68
16	64.0	81.6	7.2 111.06	58.8	12.04	319.00	195.90	2.050	101.71
17	39.3	86.7	7.2 111.13	32.1	9.43	319.00	198.44	2.046	80.80
18	60.1	97.7	7.2 111.14	53.9	9.73	319.00	198.11	2.046	91.34
19	62.9	144.9	7.2 111.47	73.7	19.96	319.00	187.57	2.011	126.78
20	82.0	147.7	7.2 111.48	74.8	19.99	319.00	188.03	2.011	125.61
21	43.5	111.3	7.2 111.25	56.3	11.04	319.00	196.71	2.049	92.27
22	47.2	83.9	7.2 111.07	40.0	5.77	319.00	202.35	2.041	64.72
23	58.5	64.2	7.2 110.95	31.3	3.41	319.00	204.63	1.910	37.11
24	33.7	64.2	7.2 110.95	28.3	2.83	319.00	205.22	1.903	31.74
25	36.9	60.0	7.2 110.91	28.1	2.95	319.00	205.14	1.905	32.93
26	43.2	70.6	7.2 110.98	34.0	4.31	319.00	203.30	1.910	45.30
27	38.5	64.4	7.2 110.97	31.3	3.41	319.00	204.42	1.910	37.11
28	34.2	60.0	7.2 110.91	27.0	2.54	319.00	205.51	1.896	48.74
29	24.3	42.6	7.2 110.83	21.3	1.58	319.00	206.99	1.938	34.99
30	34.3	42.9	7.2 110.79	17.1	1.02	319.00	207.19	1.945	34.24
31	27.2	33.2	7.2 110.76	0.0	0.78	319.00	207.46	0.000	0.00

POWER GENERATION SIMULATION

Year: 1986

Don Atk B
FLL = 31920 m

Wind Head 179.30 m
Max. Power Discharge: 9000 MW

Instal. Capacity: 1420 MW

Discharge		Discharge		RMF or Tail		Plant Q		Raw		Efficient		Efficient		Month	
Date	Discharge (cms)	PAH (cms)	Spillage (cms)	Water level (cms)	Power (cms)	Loss	Raw	Head h	Unit use	Output MW	Y	Ave.	MW		
Jul	1	25.7	34.6	7.2	152.72	18.5	1.19	319.00	207.05	1	0.830	31.15			
2	23.7	34.2	7.2	152.76	18.5	1.19	319.00	207.05	1	0.830	31.15				
3	25.1	34.2	7.2	152.76	17.9	1.12	319.00	207.12	1	0.823	28.80				
4	24.3	34.2	7.2	152.74	17.1	1.02	319.00	207.22	1	0.813	28.25				
5	22.6	34.6	7.2	152.73	15.8	0.87	319.00	207.38	1	0.797	22.58				
6	23.7	34.2	7.2	152.76	18.5	1.19	319.00	207.05	1	0.830	31.15				
7	23.0	34.6	7.2	152.73	15.8	0.87	319.00	207.38	1	0.797	22.58				
8	23.0	35.1	7.2	152.74	15.8	0.87	319.00	207.39	1	0.797	22.59				
9	24.3	35.1	7.2	152.74	17.1	1.02	319.00	207.24	1	0.814	28.25				
10	24.3	34.6	7.2	152.73	17.1	1.02	319.00	207.23	1	0.814	28.25				
11	24.3	34.2	7.2	152.76	17.1	1.02	319.00	207.23	1	0.814	28.25				
12	24.3	34.2	7.2	152.76	17.1	1.02	319.00	207.23	1	0.814	28.25				
13	21.6	34.6	7.2	152.75	17.1	1.02	319.00	207.23	1	0.814	28.25				
14	21.6	34.6	7.2	152.75	17.1	1.02	319.00	207.23	1	0.814	28.25				
15	21.6	31.9	21.6	152.73	0.0	0.72	319.00	207.34	0	0.000	0.00				
16	20.9	31.9	20.9	152.73	0.0	0.63	319.00	207.44	0	0.000	0.00				
17	19.3	30.4	19.3	152.71	0.0	0.53	319.00	207.77	0	0.000	0.00				
18	18.8	30.4	18.8	152.71	0.0	0.47	319.00	207.81	0	0.000	0.00				
19	40.8	34.6	7.2	152.75	31.6	3.93	319.00	204.32	1	0.913	61.33				
20	57.6	75.4	7.2	111.84	30.4	8.85	319.00	199.11	2	0.882	84.49				
21	73.9	84.7	7.2	111.11	16.44	1.44	319.00	191.44	2	0.911	117.43				
22	64.8	154.1	7.2	111.27	28.6	12.37	319.00	193.34	2	0.902	125.94				
23	44.8	70.4	7.2	152.98	37.6	4.92	319.00	203.09	1	0.904	67.40				
24	37.0	58.1	7.2	152.90	29.8	3.59	319.00	205.01	1	0.897	54.29				
25	34.7	30.3	7.2	152.95	25.5	2.24	319.00	205.89	1	0.889	45.72				
26	29.8	41.8	7.2	152.81	23.7	1.79	319.00	206.40	1	0.870	39.93				
27	27.9	42.9	7.2	152.78	20.7	1.48	319.00	206.71	1	0.852	35.74				
28	25.7	39.7	7.2	152.77	18.5	1.19	319.00	207.04	1	0.830	31.15				
29	24.3	34.6	7.2	152.73	17.1	1.02	319.00	207.23	1	0.814	28.25				
30	23.0	35.1	7.2	152.74	15.8	0.87	319.00	207.39	1	0.797	22.59				
31	22.7	21.6	7.2	152.72	15.8	0.87	319.00	207.37	1	0.806	22.02	31.27			
Aug	1	23.0	33.5	7.2	152.73	15.8	0.87	319.00	207.40	1	0.797	22.80			
2	23.0	32.5	7.2	152.73	15.8	0.87	319.00	207.40	1	0.797	22.80				
3	21.6	33.3	21.6	152.73	0.0	0.72	319.00	207.55	0	0.000	0.00				
4	30.3	30.4	30.3	152.71	0.0	0.59	319.00	207.70	0	0.000	0.00				
5	30.2	28.9	30.2	152.70	0.0	0.59	319.00	207.71	0	0.000	0.00				
6	19.3	28.9	19.3	152.70	0.0	0.51	319.00	207.78	0	0.000	0.00				
7	23.0	30.4	7.2	152.73	15.8	0.87	319.00	207.42	1	0.797	22.80				
8	21.6	30.4	21.6	152.71	0.0	0.72	319.00	207.57	0	0.000	0.00				
9	20.2	30.4	20.2	152.71	0.0	0.59	319.00	207.70	0	0.000	0.00				
10	18.1	27.3	18.1	152.69	0.0	0.41	319.00	207.90	0	0.000	0.00				
11	17.3	27.1	17.3	152.68	0.0	0.37	319.00	207.93	0	0.000	0.00				
12	17.3	27.1	17.3	152.69	0.0	0.37	319.00	207.95	0	0.000	0.00				
13	18.5	28.9	18.5	152.70	0.0	0.57	319.00	207.85	0	0.000	0.00				
14	24.3	33.5	7.2	152.73	17.1	1.02	319.00	207.23	1	0.814	28.25				
15	35.7	44.7	7.2	152.82	28.5	2.83	319.00	205.35	1	0.903	51.78				
16	48.6	64.2	7.2	152.95	42.4	4.26	319.00	201.78	2	0.832	71.46				
17	45.6	72.0	7.2	111.01	38.4	5.14	319.00	202.85	1	0.904	68.97				
18	32.4	34.1	7.2	152.80	34.3	2.99	319.00	205.71	1	0.893	47.14				
19	27.1	44.7	7.2	152.82	19.9	1.38	319.00	206.90	1	0.845	34.06				
20	24.3	39.7	7.2	152.77	17.1	1.02	319.00	207.21	1	0.815	28.25				
21	23.0	34.6	7.2	152.73	15.8	0.87	319.00	207.38	1	0.797	22.59				
22	23.0	33.5	7.2	152.73	15.8	0.87	319.00	207.40	1	0.797	22.80				
23	194.8	179.4	44.8	111.47	90.0	28.21	319.18	179.30	2	0.998	142.00				
24	206.8	206.5	114.8	112.27	90.0	28.21	319.39	178.92	2	0.998	141.78				
25	198.8	212.6	44.8	111.84	90.0	28.21	319.19	179.12	2	0.998	141.91				
26	83.9	156.2	7.2	111.41	74.7	20.49	319.60	187.10	2	0.911	128.07				
27	54.6	92.7	7.2	111.14	49.6	8.57	319.00	199.29	2	0.879	63.15				
28	49.6	70.6	7.2	152.96	42.4	4.26	319.00	201.75	2	0.832	71.44				
29	47.2	73.2	7.2	111.01	40.0	3.57	319.00	202.41	2	0.841	64.74				
30	39.3	61.9	7.2	152.93	32.1	3.59	319.00	204.49	1	0.911	58.80				
31	32.7	54.7	7.2	152.87	25.5	2.83	319.00	205.35	1	0.902	51.76	41.40			
Sep	1	32.7	30.3	7.2	152.85	25.5	2.83	319.00	205.89	1	0.849	43.72			
2	31.3	30.3	7.2	152.85	24.1	2.02	319.00	206.13	1	0.840	42.83				
3	31.3	48.6	7.2	152.83	24.1	2.02	319.00	206.14	1	0.840	42.84				
4	32.7	48.6	7.2	152.83	23.5	2.24	319.00	205.80	1	0.840	43.73				
5	32.7	52.4	7.2	152.86	23.5	2.24	319.00	205.88	1	0.849	43.72				
6	31.4	52.4	7.2	152.86	22.2	2.39	319.00	205.75	1	0.853	47.13				
7	29.9	44.7	7.2	152.82	22.7	1.79	319.00	206.99	1	0.870	39.92				
8	24.3	41.9	7.2	152.79	19.3	1.30	319.00	206.91	1	0.878	32.81				
9	23.1	34.6	7.2	152.73	17.1	1.02	319.00	207.23	1	0.813	28.25				
10	24.3	34.6	7.2	152.73	17.1	1.02	319.00	207.23	1	0.814	28.25				
11	21.0	35.1	7.2	152.74	15.8	0.87	319.00	207.39	1	0.797	22.59				
12	21.6	35.5	21.6	152.73	0.0	0.72	319.00	207.55	0	0.000	0.00				
13	20.2	31.9	20.2	152.73	0.0	0.59	319.00	207.69	0	0.000	0.00				
14	19.3	30.4	19.3	152.71	0.0	0.51	319.00	207.77	0	0.000	0.00				
15	18.1	27.3	18.1	152.69	0.0	0.41	319.00	207.90	0	0.000	0.00				
16	19.3	24.9	19.3	152.70	0.0	0.53	319.00	207.78	0	0.000	0.00				
17	40.8	35.1	7.2	152.74	31.6	3.93	319.00	204.33	1	0.912	61.34				
18	51.2	58.1	7.2	152.90	44.0	6.74	319.00	201.34	2	0.859	74.59				
19	60.1	79.4	7.2	111.04	32.9	9.73	319.00	198.21	2	0.846	91.30				
20	136.8	212.6	44.8	111.84	90.0	28.21	319.18	179.11	2	0.998	141.90				
21	148.6	245.2	58.4	112.34	90.0	28.21	319.23	178.47	2	0.999	141.90				
22	230.2	377.4	160.2	112.84	90.0	28.21	319.30	178.84	2	0.999	141.74				
23	204.7	270.2	114.7	112.15	90.0	28.21	319.39	179.03	2	0.994	141.83				
24	173.5	218.7	63.7	111.80	90.0	28.21	319.24	179.14	2	0.998	141.92				
25	127.4	140.7	43.4	112.12	90.0	28.21	319.13	178.82	2	0.999	141.72				
26	197.8	277.3	102.8	112.09	90.0	28.21	319.34	179.04	2	0.998	141.87				
27	149.3	202.3	59.3	111.81	90.0	28.21	319.23	179.30	2	0.998	141.94				
28	116.3	164.9	24.3	111.59	90.0	28.21	319.10	179.30	2	0.998	142.00				
29	97.2	136.3	7.2	111.41	90.0	28.21	319.18	179.18	2	0.998	142.00				
30	79.3	116.8	7.2	111.29	72.1	14.10	319.00	199.40	2	0.912	122.13				

73.14

	Discharge Dam (cms)	Discharge PAH (cms)	RMF or Tail Spillage water level m (cms)	Power Q level m (cms)	Raw Level	Efficient Head h	Efficient Unit use	Output MW	Month y Ave. MW				
Oct	1	74.2	105.6	7.2	111.30	47.00	15.43	319.00	192.16	2	0.910	114.83	
	2	43.7	84.7	7.2	111.31	55.50	10.73	319.00	197.17	2	0.865	83.84	
	3	54.0	79.4	7.2	111.04	48.80	8.29	319.00	196.44	2	0.877	83.70	
	4	80.4	72.0	7.2	111.00	43.20	4.30	319.00	201.50	2	0.856	72.99	
	5	47.3	64.4	7.2	152.97	40.00	5.57	319.00	202.44	2	0.841	64.76	
	6	42.4	61.9	7.2	152.93	35.20	4.32	319.00	203.74	1	0.811	64.01	
	7	41.6	58.1	7.2	152.90	34.40	4.12	319.00	203.94	1	0.811	62.47	
	8	42.7	61.9	7.2	152.93	35.20	4.32	319.00	203.74	2	0.809	64.04	
	9	78.4	84.7	7.2	111.11	71.20	17.44	319.00	190.34	2	0.912	121.00	
	10	49.4	540.1	379.4	132.92	90.00	28.21	319.84	178.72	2	0.999	141.63	
	11	33.4	69.3	44.3	112.30	90.00	28.21	319.04	178.72	2	0.999	141.63	
	12	44.1	519.4	379.4	132.92	90.00	28.21	319.80	178.72	2	0.999	141.63	
	13	54.7	390.1	257.4	123.45	90.00	28.21	319.71	178.84	2	0.939	141.74	
	14	227.0	249.7	197.9	123.34	90.00	28.21	319.44	178.00	2	0.988	141.83	
	15	118.3	79.4	25.3	111.47	90.00	28.21	319.11	178.22	2	0.998	141.98	
	16	114.4	142.0	24.4	111.43	90.00	28.21	319.09	178.43	2	0.998	142.00	
	17	97.8	183.7	7.2	111.38	94.40	16.32	319.60	181.50	2	0.932	136.99	
	18	96.8	177.9	8.8	111.34	90.00	28.21	319.51	179.44	2	0.998	142.00	
	19	104.6	142.0	14.4	111.43	90.00	28.21	319.05	179.39	2	0.999	142.00	
	20	91.2	130.7	7.2	111.38	94.40	16.37	319.00	183.05	2	0.905	136.40	
	21	105.8	184.4	13.8	111.72	90.00	28.21	319.05	179.12	2	0.988	141.91	
	22	134.4	302.3	64.4	112.30	90.00	28.21	319.34	178.73	2	0.980	141.64	
	23	121.1	313.3	43.1	111.84	90.00	28.21	319.17	179.00	2	0.998	141.83	
	24	97.2	167.7	7.2	111.40	90.00	28.21	319.00	179.19	2	0.998	141.95	
	25	81.1	130.7	7.2	111.34	73.90	18.02	319.00	184.60	2	0.911	134.30	
	26	71.7	114.1	7.2	111.27	54.40	19.90	319.05	190.24	2	0.852	94.94	
	27	66.0	104.0	7.2	111.14	54.40	19.90	319.07	190.75	2	0.901	103.42	
	28	41.8	91.7	7.2	111.14	54.40	19.90	319.00	197.48	2	0.903	94.51	
	29	41.8	84.7	7.2	111.11	54.40	19.90	319.00	197.51	2	0.902	94.33	
	30	62.0	91.2	7.2	111.12	74.40	18.40	319.00	188.39	2	0.911	125.84	
	31	91.1	114.1	7.2	111.27	73.90	19.00	319.00	186.71	2	0.911	126.57	119.59
Nov	1	68.4	93.7	7.2	111.14	61.20	13.04	319.00	194.82	2	0.905	105.99	
	2	134.1	183.3	44.1	111.71	90.00	28.21	319.17	179.25	2	0.998	141.99	
	3	171.7	246.9	81.7	112.13	90.00	28.21	319.29	178.95	2	0.998	141.99	
	4	244.6	382.3	136.3	112.40	90.00	28.21	319.44	178.99	2	0.998	141.82	
	5	795.8	498.8	305.6	123.48	90.00	28.21	319.81	178.92	2	0.998	141.78	
	6	830.2	1184.4	740.2	119.99	90.00	28.21	320.52	178.32	2	0.999	141.40	
	7	647.9	642.4	579.9	115.54	90.00	28.21	320.27	178.53	2	0.998	141.53	
	8	547.2	655.8	477.2	112.23	90.00	28.21	320.11	178.47	2	0.999	141.62	
	9	444.9	494.1	354.9	115.99	90.00	28.21	319.90	178.20	2	0.999	141.71	
	10	399.8	423.4	309.8	112.70	90.00	28.21	319.82	178.84	2	0.998	141.74	
	11	336.1	382.6	244.1	112.40	90.00	28.21	319.46	178.84	2	0.998	141.74	
	12	297.2	313.6	147.2	112.34	90.00	28.21	319.52	178.97	2	0.998	141.81	
	13	208.0	250.4	118.0	112.07	90.00	28.21	319.39	178.11	2	0.998	141.91	
	14	120.1	197.4	30.1	111.79	90.00	28.21	319.12	179.13	2	0.980	141.40	
	15	97.2	147.7	7.2	111.44	90.00	28.21	319.90	179.31	2	0.998	142.00	
	16	87.4	130.7	7.2	111.38	94.40	22.51	319.00	185.11	2	0.908	132.49	
	17	80.2	114.1	7.2	111.27	73.90	18.54	319.00	186.17	2	0.912	125.37	
	18	71.7	105.6	7.2	111.30	47.00	15.49	319.00	193.31	2	0.908	103.96	
	19	71.7	93.7	7.2	111.14	44.40	14.40	319.00	193.37	2	0.908	103.96	
	20	71.7	93.7	7.2	111.14	44.40	14.40	319.07	193.37	2	0.908	111.02	
	21	47.4	93.7	7.2	111.14	44.40	12.71	319.00	193.35	2	0.905	104.34	
	22	64.0	83.9	7.2	111.07	51.80	12.04	319.00	195.84	2	0.901	101.70	
	23	47.4	96.3	7.2	111.14	44.40	12.71	319.00	195.14	2	0.903	104.35	
	24	40.9	81.6	7.2	111.07	51.70	12.04	319.00	197.04	2	0.990	92.73	
	25	54.0	75.0	7.2	111.01	41.80	8.29	319.00	199.69	2	0.877	83.73	
	26	62.7	75.0	7.2	111.01	41.80	8.29	319.00	197.24	2	0.895	95.99	
	27	123.7	215.7	33.7	111.84	90.00	28.21	319.13	179.05	2	0.998	141.84	
	28	136.5	184.4	35.5	111.72	90.00	28.21	319.14	179.21	2	0.998	141.97	
	29	142.6	182.3	51.6	111.69	90.00	28.21	319.20	179.30	2	0.998	142.00	
	30	103.3	174.6	12.3	111.44	90.00	28.21	319.03	179.14	2	0.998	141.94	
Dec	1	87.6	147.7	7.2	111.48	94.40	22.51	319.00	185.00	2	0.902	132.43	
	2	77.4	130.7	7.2	111.34	70.40	17.04	319.00	190.34	2	0.911	119.70	
	3	79.3	119.6	7.2	111.31	71.10	16.10	319.00	189.39	2	0.912	122.12	
	4	220.6	430.8	112.3	112.75	90.00	28.21	319.38	178.43	2	0.999	141.67	
	5	171.7	347.8	81.7	112.47	90.00	28.21	319.29	178.61	2	0.999	141.54	
	6	141.6	257.3	51.6	112.09	90.00	28.21	319.30	178.90	2	0.998	141.77	
	7	193.8	318.8	105.8	112.33	90.00	28.21	319.34	178.42	2	0.999	141.59	
	8	247.0	523.8	152.0	112.31	90.00	28.21	319.48	178.74	2	0.999	141.66	
	9	205.8	794.5	115.8	112.44	90.00	28.21	319.39	178.54	2	0.999	141.54	
	10	183.5	239.9	73.5	112.19	90.00	28.21	319.27	178.87	2	0.998	141.75	
	11	130.2	224.9	40.2	111.92	90.00	28.21	319.16	179.02	2	0.998	141.83	
	12	107.5	181.3	17.5	111.60	90.00	28.21	319.04	179.17	2	0.998	141.83	
	13	83.0	156.3	7.2	111.34	85.80	15.64	319.00	181.82	2	0.902	136.11	
	14	149.4	277.5	53.4	112.16	90.00	28.21	319.20	179.53	2	0.998	141.73	
	15	283.3	525.5	192.3	112.94	90.00	28.21	319.57	178.38	2	0.998	141.64	
	16	246.8	442.2	158.8	112.78	90.00	28.21	319.54	178.53	2	0.998	141.55	
	17	231.4	347.9	161.4	112.47	90.00	28.21	319.50	178.82	2	0.998	141.72	
	18	231.4	313.6	114.4	112.34	90.00	28.21	319.43	178.84	2	0.998	141.74	
	19	312.5	407.0	222.5	112.84	90.00	28.21	319.64	178.49	2	0.998	141.51	
	20	317.3	544.0	227.3	112.79	90.00	28.21	319.65	178.43	2	0.998	141.41	
	21	331.7	430.8	241.7	112.75	90.00	28.21	319.68	178.72	2	0.999	141.64	
	22	415.1	593.8	325.1	113.12	90.00	28.21	319.83	178.51	2	0.998	141.52	
	23	376.0	515.9	288.0	113.01	90.00	28.21	319.77	178.54	2	0.999	141.55	
	24	318.2	442.2	288.2	112.78	90.00	28.21	319.65	178.64	2	0.998	141.62	
	25	387.4	383.8	197.4	112.60	90.00	28.21	319.59	178.70	2	0.998	141.80	
	26	260.0	320.0	175.0	112.40	90.00	28.21	319.54	178.80	2	0.998	141.80	
	27	212.4	279.9	121.4	112.19	90.00	28.21	319.41	179.00	2	0.998	141.84	
	28	183.3	247.9	83.5	112.21	90.00	28.21	319.33	178.92	2	0.998	141.70	
	29	157.3	224.0	62.5	111.92	90.00	28.21	319.23	179.10	2	0.998	141.90	
	30	142.6	206.5	52.4	111.83	90.00	28.21	319.20	179.14	2	0.998	141.94	
	31	129.4	184.4	39.4	111.72	90.00	28.21	319.11	179.22	2	0.998	141.97	

POWER GENERATION SIMULATION

Year: 1987 Data Area B Simul Head 179.30 m Installed Capacity 1410 MW
 F.S.L. = 319.00 m Min. Plant Discharge 90.00 cms

Date	Discharge Dm (cms)	Discharge FPH (cms)	R/MF or Tail Spillage water level m (cms)	Plant Q Level m (cms)	Loss	Raw level	Effluent level m (cms)	Effluent Unit m³	Output MW	Month y Ave. MW
Jan. 1	108.3	154.9	15.3	111.39	90.0	25.21	319.07	179.27	2.098	141.00
2	105.8	157.4	15.6	111.52	90.0	25.21	319.07	179.32	2.098	142.00
3	95.5	144.9	7.2	111.47	90.3	27.13	319.00	180.34	2.060	140.33
4	80.3	123.5	7.2	111.33	73.0	18.56	319.00	189.11	3.013	133.33
5	72.4	105.6	7.2	111.24	43.4	14.90	319.00	182.87	2.090	113.57
6	68.4	98.6	7.2	111.17	41.2	13.04	319.00	194.78	2.007	103.47
7	68.4	97.7	7.2	111.14	41.2	13.04	319.00	194.81	2.003	103.99
8	79.3	108.6	7.2	111.24	72.1	18.10	319.00	189.66	2.012	122.17
9	92.1	130.1	7.2	111.43	64.9	25.30	319.00	182.47	2.004	172.25
10	124.1	194.4	44.1	111.76	90.0	28.21	319.17	179.20	2.098	141.94
11	232.8	212.6	122.6	111.84	90.0	28.21	319.44	179.39	2.098	142.00
12	398.6	303.8	308.4	112.80	90.0	28.21	319.21	179.00	2.098	141.84
13	545.8	415.2	273.8	112.96	90.3	28.21	319.73	178.56	2.099	141.54
14	571.9	411.1	481.9	113.64	90.0	28.21	320.12	178.27	2.099	141.57
15	562.8	569.8	482.8	113.71	90.0	28.21	320.14	178.31	2.099	141.53
16	571.9	603.8	481.9	113.43	90.0	28.21	320.12	178.43	2.099	141.47
17	573.5	603.3	483.3	113.60	90.0	28.21	320.13	178.31	2.099	141.59
18	554.9	748.1	444.9	113.99	90.0	28.21	320.09	178.50	2.099	141.51
19	491.4	363.5	401.4	113.11	90.0	28.21	319.94	178.67	2.099	141.62
20	437.8	484.1	373.8	112.89	90.0	28.21	319.87	178.77	2.099	141.49
21	393.5	428.4	293.5	112.73	90.0	28.21	319.79	178.85	2.099	141.74
22	343.5	398.1	233.5	112.63	90.0	28.21	319.71	178.83	2.099	141.74
23	254.9	324.0	164.9	112.34	90.0	28.21	319.51	178.92	2.099	141.78
24	173.8	257.8	83.8	111.99	90.0	28.21	319.30	179.10	2.099	141.90
25	139.4	197.4	49.4	111.78	90.0	28.21	319.26	179.27	2.098	142.00
26	101.7	237.8	101.7	111.99	90.0	28.21	319.35	179.13	2.099	141.83
27	141.6	184.4	51.6	111.76	90.0	28.21	319.30	179.23	2.098	141.94
28	113.8	189.1	33.8	111.53	90.0	28.21	319.09	179.32	2.098	142.00
29	98.8	139.1	9.8	111.43	90.0	28.21	319.02	179.58	2.098	142.00
30	87.6	122.5	7.2	111.31	90.4	23.51	319.00	183.16	2.050	133.53
31	79.3	111.1	7.2	111.27	73.1	18.10	319.00	189.43	2.012	122.14
141.37										
Feb. 1	64.8	111.3	7.2	111.23	77.6	20.97	319.00	184.77	2.090	139.28
2	120.9	162.0	30.9	111.57	90.0	28.21	319.12	179.34	2.098	142.00
3	140.7	206.5	30.7	111.83	90.0	28.21	319.19	179.16	2.098	141.93
4	317.5	372.7	237.5	112.54	90.0	28.21	319.65	178.84	2.098	141.76
5	297.4	372.7	207.4	112.54	90.0	28.21	319.61	178.83	2.099	141.73
6	276.4	334.0	186.4	112.38	90.0	28.21	319.56	178.97	2.098	141.81
7	223.8	293.0	143.9	112.23	90.0	28.21	319.45	179.00	2.098	141.83
8	211.3	254.0	121.3	112.07	90.0	28.21	319.40	179.12	2.098	141.81
9	223.6	289.0	133.6	112.23	90.0	28.21	319.44	178.97	2.098	141.92
10	188.3	244.3	98.3	112.02	90.0	28.21	319.34	179.17	2.098	141.90
11	141.6	186.4	51.6	111.77	90.0	28.21	319.20	179.24	2.098	142.00
12	118.3	199.1	38.3	111.53	90.0	28.21	319.11	179.34	2.098	142.00
13	116.3	152.4	26.3	111.32	90.0	28.21	319.10	179.37	2.098	142.00
14	127.4	176.7	37.4	111.18	90.0	28.21	319.13	179.34	2.099	141.64
15	180.1	234.0	90.1	112.38	90.0	28.21	319.32	178.73	2.099	141.64
16	204.8	272.7	116.8	112.54	90.0	28.21	319.39	178.62	2.099	141.59
17	212.4	341.3	122.4	112.43	90.0	28.21	319.41	178.75	2.099	141.67
18	247.8	300.3	157.8	112.37	90.0	28.21	319.49	178.92	2.098	141.78
19	288.4	317.1	188.4	112.33	90.0	28.21	319.52	178.96	2.098	141.81
20	291.2	372.7	263.2	112.54	90.0	28.21	319.59	178.82	2.099	141.72
21	244.3	334.2	194.3	112.43	90.0	28.21	319.49	178.83	2.099	141.74
22	227.0	296.5	177.0	112.27	90.0	28.21	319.44	178.97	2.098	141.81
23	181.9	286.4	104.9	112.22	90.0	28.21	319.36	178.93	2.098	141.79
24	204.8	254.0	116.8	112.07	90.0	28.21	319.39	179.11	2.098	141.90
25	288.7	312.6	196.7	112.60	90.0	28.21	319.59	178.78	2.099	141.69
26	248.3	330.8	179.3	112.41	90.0	28.21	319.54	178.93	2.098	141.79
27	229.5	243.1	159.3	112.21	90.0	28.21	319.45	179.03	2.098	141.85
28	198.5	218.7	68.5	111.89	90.0	28.21	319.23	179.15	2.098	141.93
141.37										
Mar. 1	115.4	177.4	23.3	111.64	90.0	28.21	319.10	179.25	2.098	141.90
2	100.7	144.9	10.7	111.47	90.0	28.21	319.02	179.34	2.098	142.00
3	93.0	125.1	7.2	111.34	83.8	23.64	319.00	182.02	2.090	138.24
4	83.9	119.4	7.2	111.31	76.7	20.49	319.00	187.30	2.091	128.14
5	79.3	108.6	7.2	111.24	72.1	18.10	319.00	189.66	2.012	122.17
6	89.3	101.1	7.2	111.19	62.1	13.43	319.00	194.38	2.006	107.16
7	79.3	96.3	7.2	111.15	44.1	15.22	319.00	192.61	2.091	113.49
8	69.3	108.6	7.2	111.24	62.1	13.43	319.00	194.33	2.006	107.11
9	64.8	91.2	7.2	111.12	37.0	11.32	319.00	196.36	2.096	96.77
10	71.6	119.6	7.2	111.21	70.4	17.26	319.00	190.43	2.091	119.75
11	70.0	103.5	7.2	111.20	62.8	12.74	319.00	194.06	2.097	106.27
12	40.1	64.3	7.2	111.08	32.9	9.73	319.00	198.16	2.038	91.27
13	53.2	77.2	7.2	111.03	48.0	8.92	319.00	199.95	2.034	82.19
14	52.8	72.0	7.2	111.01	43.6	7.24	319.00	200.74	2.043	77.62
15	49.6	70.6	7.2	110.96	42.4	6.26	319.00	201.75	2.032	71.44
16	44.4	66.2	7.2	110.95	39.2	5.35	319.00	202.69	1.991	70.13
17	43.6	64.0	7.2	110.94	38.4	5.14	319.00	202.91	1.994	69.00
18	44.0	64.0	7.2	110.94	34.8	4.72	319.00	203.34	1.998	66.58
19	43.2	61.9	7.2	110.93	34.0	4.51	319.00	203.56	1.991	65.32
20	41.6	60.0	7.2	110.91	34.4	4.12	319.00	203.97	1.991	62.67
21	42.2	61.9	7.2	110.93	36.0	4.31	319.00	203.54	1.991	63.32
22	44.0	70.6	7.2	110.96	40.8	5.80	319.00	202.22	2.043	68.32
23	44.6	70.6	7.2	110.96	37.6	4.92	319.00	201.09	1.994	67.80
24	40.8	61.9	7.2	110.93	33.6	3.93	319.00	204.14	1.991	61.28
25	34.2	56.2	7.2	110.89	27.0	2.54	319.00	205.58	1.997	47.77
26	39.3	61.9	7.2	110.93	32.1	3.45	319.00	198.82	2.046	69.90
27	94.7	130.7	7.2	111.30	73.7	24.66	319.00	180.96	2.001	139.84
28	52.5	83.9	7.2	111.07	51.3	9.17	319.00	198.76	2.044	84.34
29	48.0	64.4	7.2	110.97	40.1	5.80	319.00	202.23	2.043	64.33
30	42.4	61.9	7.2	110.93	33.2	4.32	319.00	201.74	1.991	64.01
31	40.0	51.2	7.2	110.89	32.8	3.75	319.00	206.37	1.991	59.87
90.48										

Date	Discharge (Dm) (cms)	Discharge (FPH) (cms)	R/MF or Tail Spillage level m (cms)	Plant Q (cms)	Loss	Raw level	Effluent Head h (cms)	Effluent Unit m³	Output MW	Month y Ave. MW
Apr. 1	37.0	54.3	7.2	110.87	28.80	3.09	319.00	205.93	1.997	54.28
2	45.4	61.9	7.2	110.93	34.40	5.14	319.00	203.94	1.994	69.00
3	91.2	84.7	7.2	111.11	44.00	4.74	319.00	201.15	2.039	74.49
4	44.8	73.0	7.2	111.01	37.40	4.92	319.00	201.04	1.994	67.79
5	34.5	64.0	7.2	110.94	31.30	3.41	319.00	204.63	1.991	57.12
6	33.7	58.2	7.2	110.89	28.30	2.83	319.00	205.29	1.993	51.76
7	34.2	53.4	7.2	110.86	27.00	2.54	319.00	205.40	1.997	48.77
8	34.9	50.3	7.2	110.83	27.00	2.47	319.00	205.48	1.997	50.18
9	34.2	50.1	7.2	110.83	27.00	2.34	319.00	205.61	1.997	48.78
10	37.0	46.7	7.2	110.82	29.80	3.09	319.00	205.09	1.997	54.31
11	37.8	54.3	7.2	110.87	30.40	3.26	319.00	204.87	1.999	51.82
12	104.9	98.6	14.9	111.17	90.00	28.21	319.05	179.66	2.099	142.00
13	155.9	142.0	43.9	111.45	90.00	28.21	319.18	179.57	2.099	142.00
14	191.7	218.7	101.17	111.99	90.00	28.21	319.35	179.25	2.099	141.99
15	112.8	164.9	22.8	111.99	90.00	28.21	319.28	179.20	2.099	142.00
16	84.7	119.4	7.2	111.31	79.30	23.01	319.00	185.48	2.099	130.50
17	79.3	106.1	7.2	111.22	72.10	18.30	319.00	189.67	2.099	121.18
18	72.6	93.7	7.2	111.14	63.40	14.90	319.00	192.96	2.099	113.43
19	64.8	80.4	7.2	110.98	59.40	13.37	319.00	195.46	2.092	107.12
20	54.4	73.0	7.2	110.91	47.20	11.24	319.00	202.71	2.091	98.86
21	52.8	78.4	7.2	111.04	43.30	7.34	319.00	202.71	2.084	77.61
22	52.8	78.4	7.2	111.04	43.30	7.34	319.00	202.71	2.084	77.61
23	54.4	91.3	7.2	111.13	47.20	7.76	319.00	203.13	2.091	90.63
24	48.4	77.3	7.2	111.03	42.40	6.24	319.00	201.71	2.082	71.42
25	44.8	64.2	7.2	110.95	37.40	4.92	319.00	203.12	1.994	67.81
26	40.8	61.9	7.2	110.93	33.40	3.93	319.00	204.14	1.991	61.22
27	37.8	56.2	7.2	110.89	30.40	3.26	319.00	204.83	1.999	53.82
28	37.0	54.3	7.2	110.87	29.80	3.09	319.00	205.09	1.997	54.29
29	34.9	50.3	7.2	110.83	27.00	2.47	319.00	205.48	1.997	50.18
30	39.3	54.3	7.2	110.87	32.10	3.99	319.00	204.54	1.991	54.61
May 1	40.0	60.0	7.2	110.91	32.80	3.73	319.00	204.34	1.991	59.87
2	40.0	61.9	7.2	110.93	32.80	3.73	319.00	204.35	1.991	59.86
3	37.0	54.3	7.2	110.87	29.80	3.09	319.00	205.09	1.997	54.29
4	34.2	50.3	7.2	110.83	27.00	2.54	319.00	205.61	1.997	48.78
5	34.2	46.7	7.2	110.82	27.00	2.54	319.00	205.64	1.997	48.78
6	38.5	52.4	7.2	110.86	31.30	3.41	319.00	204.73	1.991	57.14
7	44.6	130.7	7.2	111.39	81.40	23.08	319.00	184.49	2.098	133.63
8	231.4	434.4	141.6	112.76	90.00	28.21	319.44	176.52	2.099	141.51
9	239.7	491.7	160.7	112.91	90.00	28.21	319.52	176.41	2.099	141.43
10	162.6	298.5	72.6	112.97	90.00	28.21	319.37	176.79	2.099	141.70
11	111.1	196.4	21.1	116.74	90.00	28.21	319.54	179.11	2.098	141.90
12	92.1	156.3	7.2	111.54	84.90	21.00	319.00	182.54	2.098	127.22
13	104.1	156.3	14.1	111.54	90.00	28.21	319.04	179.29	2.099	142.00
14	201.2	238.4	201.2	112.23	90.00	28.21	319.59	179.14	2.099	141.94
15	717.9	919.4	627.9	113.45	90.00	28.21	320.35	178.49	2.099	141.51
16	603.3	773.8	51.3	113.43	90.00	28.21	320.17	178.57	2.099	141.54
17	495.9	541.8	405.9	111.07	90.00	28.21	319.89	178.72	2.099	141.63
18	371.2	427.0	281.2	112.74	90.00	28.21	319.74	178.81	2.099	141.72
19	332.2	373.2	335.2	112.81	90.00	28.21	319.67	178.84	2.099	141.74
20	401.2	651.7	311.2	112.23	90.00	28.21	319.82	179.34	2.099	141.44
21	578.2	1304.8	446.2	114.02	90.00	28.21	320.13	177.90	2.099	141.13
22	571.9	883.5	419.9	113.40	90.00	28.21	320.12	179.31	2.099	141.39
23	503.2	447.8	415.2	113.32	90.00	28.21	320.00	178.78	2.099	141.54
24	412.3	599.4	32.3	113.40	90.00	28.21	319.84	178.70	2.099	141.65
25	316.2	505.5	226.2	113.44	90.00	28.21	319.63	178.80	2.099	141.71
26	236.2	308.9	144.2	112.31	90.00	28.21	319.47	178.95	2.099	141.80
27	143.6	224.9	53.6	111.92	90.00	28.21	319.20	179.07	2.099	141.84
28	146.5	184.4	58.5	111.72	90.00	28.21	319.21	179.28	2.099	142.00
29	128.4	185.5	38.4	111.71	90.00	28.21	319.15	179.23	2.099	141.98
30	112.8	170.7	22.8	111.42	90.00	28.21	319.08	179.25	2.098	141.99
31	104.1	136.7	14.1	111.54	90.00	28.21	319.04	179.29	2.099	142.00
Jun. 1	98.8	142.0	8.8	111.45	90.00	28.21	319.61	179.35	2.098	142.00
2	93.8	136.3	7.2	111.41	84.40	24.12	319.00	182.51	2.092	138.87
3	90.4	130.7	7.2	111.38	81.20	21.11	319.00	183.51	2.094	135.54
4	87.6	123.1	7.2	111.34	80.40	22.91	319.00	183.14	2.094	132.52
5	82.9	116.8	7.2	111.29	75.70	19.96	319.00	183.75	2.091	126.89
6	82.9	114.1	7.2	111.27	75.70	19.96	319.00	183.77	2.091	126.90
7	80.2	119.6	7.2	111.31	73.10	18.56	319.00	183.13	2.092	123.34
8	73.3	106.1	7.2	111.22	66.10	15.22	319.00	182.54	2.092	113.65
9	69.3	98.6	7.2	111.17	62.10	14.43	319.00	184.40	2.091	107.15
10	67.6	95.3	7.2	111.16	60.40	12.71	319.00	185.14	2.090	106.35
11	66.0	93.7	7.2	111.14	58.80	12.04	319.00	195.82	2.091	101.46
12	64.3	88.7	7.2	111.11	57.00	11.32	319.00	196.58	2.098	98.38
13	93.0	147.7	7.2	111.48	85.80	21.44	319.00	181.82	2.093	136.15
14	380.3	816.7	270.3	113.90	90.00	28.21	319.74	179.03	2.099	141.21
15	392.9	795.3	302.9	113.46	90.00	28.21	319.80	179.13	2.099	141.28
16	344.7	499.3	256.7	113.20	90.00	28.21	319.71	179.29	2.099	141.33
17	258.8	441.2	192.8	113.40	90.00	28.21	319.74	179.34	2.099	141.54
18	210.3	344.5	120.3	112.46	90.00	28.21	319.40	178.72	2.099	141.66
19	166.6	270.2	76.6	112.15	90.00	28.21	319.24	179.05	2.099	141.78
20	137.8	224.9	47.8	111.92	90.00	28.21	319.18	179.25	2.098	141.87
21	121.9	202.4	31.9	111.79	90.00	28.21	319.12	179.12	2.098	141.91
22	113.8	182.5	25.8	111.69	90.00	28.21	319.09	179.19	2.098	141.93
23	130.5	224.9	60.3	111.92	90.00	28.21	319.23	179.08	2.099	141.80
24	135.9	212.6	41.9	111.86	90.00	28.21	319.18	179.11	2.098	141.90
25	113.5	176.6	23.5	111.63	90.00	28.21	319.10	179.23	2.098	141.94
26	98.8	159.1	8.8	111.55	90.00	28.21	319.01	179.25	2.098	141.99
27	100.7	144.9	10.7	111.47	90.00	28.21	319.02	179.24	2.098	142.00
28	98.8	151.4	8.8	111.52	90.00	28.21	319.01	179.28	2.098	142.00
29	90.4	136.3	7.2	111.41	83.20	21.11	319.00	182.48	2.094	133.34
30	88.6	133.4	7.2	111.40	81.40	23.08	319.00	184.51	2.098	132.80

POWER GENERATION SIMULATION

Year: 1987

Dam Area B
F.S.L. = 319.00 mRoad Head : 179.30 m
Max. Plant Discharge : 90.00 cum

Installed Capacity : 142.0 MW

Date	Discharge Dam (cum)	Discharge P.H. (cum)	RMG w/ Tail Spillage water level m (cum)	Plant Q level m (cum)	Loss	Raw level	Effect Head m	Efflux Unit sec	Output MW	Month J.A.N.
Jul 1	84.8	130.7	7.2	111.39	77.4	30.97	319.00	186.45	2.0916	139.20
2	81.1	122.5	7.2	111.31	73.9	18.02	319.00	186.45	2.0911	134.73
3	78.4	114.8	7.2	111.29	71.2	17.46	319.00	180.05	2.0912	130.99
4	81.1	114.1	7.2	111.37	73.9	18.02	319.00	186.71	2.0911	134.37
5	86.6	130.7	7.2	111.34	81.4	23.08	319.00	184.54	2.0908	135.82
6	74.3	108.6	7.2	111.34	67.8	15.63	319.00	192.13	2.0910	134.81
7	140.7	178.6	30.7	111.64	90.0	28.21	319.19	179.33	2.0908	142.00
8	202.3	237.3	130.3	112.09	90.0	28.21	319.37	179.04	2.0906	141.84
9	187.4	240.5	87.4	112.10	90.0	28.21	319.34	179.01	2.0906	141.83
10	163.5	236.1	73.9	111.94	90.0	28.21	319.37	179.13	2.0906	141.91
11	177.8	194.4	47.8	111.76	90.0	28.21	319.18	179.21	2.0908	141.97
12	189.1	173.6	29.1	111.64	90.0	28.21	319.11	179.28	2.0908	142.00
13	107.3	199.1	17.5	111.55	90.0	28.21	319.04	179.30	2.0906	142.00
14	182.8	221.8	102.8	111.91	90.0	28.21	319.35	179.34	2.0906	141.98
15	177.8	200.4	47.8	111.79	90.0	28.21	319.18	179.18	2.0906	141.95
16	123.7	129.1	33.7	111.59	90.0	28.21	319.13	179.37	2.0906	142.00
17	113.0	147.7	22.0	111.64	90.0	28.21	319.08	179.39	2.0906	142.00
18	109.8	136.3	18.8	111.61	90.0	28.21	319.05	179.43	2.0906	142.00
19	147.3	194.4	97.5	111.74	90.0	28.21	319.22	179.23	2.0906	141.99
20	143.4	213.3	55.6	111.94	90.0	28.21	319.11	179.04	2.0906	141.84
21	125.3	188.4	35.3	111.72	90.0	28.21	319.14	179.20	2.0906	141.94
22	130.3	170.7	30.3	111.62	90.0	28.21	319.07	179.24	2.0906	141.99
23	114.6	159.6	24.6	111.50	90.0	28.21	319.09	179.38	2.0906	142.00
24	112.8	147.7	22.0	111.49	90.0	28.21	319.08	179.39	2.0906	142.00
25	93.0	130.7	7.2	111.39	81.8	23.44	319.00	181.58	2.0903	138.21
26	85.3	142.0	7.2	111.43	63.7	27.15	319.00	180.40	2.0902	135.34
27	86.6	123.7	7.2	111.34	81.4	23.08	319.00	184.54	2.0908	133.84
28	108.4	133.4	18.4	111.60	90.0	28.21	319.04	179.46	2.0906	142.00
29	96.1	123.3	8.1	111.51	90.0	28.21	319.01	179.45	2.0906	142.00
30	84.7	130.7	7.2	111.31	81.5	24.66	319.00	180.94	2.0901	139.84
31	156.3	182.5	64.5	111.89	90.0	28.21	319.23	179.35	2.0906	142.00
Aug 1	140.4	174.6	53.6	111.86	90.0	28.21	319.30	179.34	2.0906	142.00
2	123.7	147.7	33.7	111.48	90.0	28.21	319.13	179.44	2.0906	142.00
3	93.8	123.1	7.2	111.34	84.6	24.12	319.00	181.54	2.0902	139.01
4	87.6	116.8	7.2	111.29	84.4	22.31	319.00	180.20	2.0902	135.55
5	84.7	114.1	7.2	111.27	78.3	23.01	319.00	180.72	2.0909	131.33
6	139.8	135.5	49.5	111.71	90.0	28.21	319.19	179.27	2.0906	142.00
7	188.6	213.7	79.1	111.99	90.0	28.21	319.29	179.19	2.0906	141.95
8	103.5	200.4	73.5	111.79	90.0	28.21	319.27	179.27	2.0906	142.00
9	133.9	182.5	43.9	111.88	90.0	28.21	319.18	179.38	2.0906	142.00
10	112.0	156.3	22.0	111.62	90.0	28.21	319.04	179.33	2.0906	142.00
11	102.3	142.0	13.3	111.63	90.0	28.21	319.04	179.38	2.0906	142.00
12	104.2	133.4	14.9	111.60	90.0	28.21	319.03	179.44	2.0906	142.00
13	130.2	147.7	22.0	111.44	90.0	28.21	319.16	179.46	2.0906	142.00
14	174.7	178.6	84.7	111.66	90.0	28.21	319.30	179.44	2.0906	142.00
15	116.3	137.4	26.7	111.52	90.0	28.21	319.10	179.37	2.0906	142.00
16	116.3	139.1	28.3	111.51	90.0	28.21	319.10	179.34	2.0906	142.00
17	289.8	427.0	182.8	112.74	90.0	28.21	319.58	178.43	2.0906	141.60
18	261.2	441.2	201.2	112.83	90.0	28.21	319.39	178.55	2.0907	141.31
19	231.4	374.0	151.4	112.34	90.0	28.21	319.43	178.84	2.0909	141.71
20	240.3	351.4	170.9	112.49	90.0	28.21	319.33	178.83	2.0906	141.72
21	217.9	299.9	137.9	112.28	90.0	28.21	319.42	178.93	2.0906	141.79
22	179.0	244.3	99.0	112.03	90.0	28.21	319.31	179.08	2.0906	141.89
23	180.5	254.9	70.5	111.97	90.0	28.21	319.24	179.13	2.0906	141.91
24	134.1	194.4	44.1	111.76	90.0	28.21	319.17	179.20	2.0906	141.94
25	131.2	178.6	41.2	111.64	90.0	28.21	319.16	179.29	2.0906	142.00
26	128.4	174.6	39.4	111.65	90.0	28.21	319.15	179.29	2.0906	142.00
27	111.1	157.4	21.2	111.51	90.0	28.21	319.08	179.33	2.0906	142.00
28	116.4	153.4	24.6	111.57	90.0	28.21	319.09	179.34	2.0906	142.00
29	109.3	148.9	19.3	111.47	90.0	28.21	319.07	179.39	2.0906	142.00
30	118.3	139.1	28.3	111.43	90.0	28.21	319.11	179.47	2.0906	142.00
31	98.9	142.0	8.9	111.45	80.2	28.21	319.15	179.33	2.0906	142.00
Sep 1	92.1	119.6	7.2	111.31	84.8	23.30	319.00	182.39	2.0904	137.38
2	90.4	111.3	7.2	111.23	83.3	24.11	319.00	183.64	2.0906	135.64
3	105.8	125.1	15.8	111.34	90.0	28.21	319.05	179.50	2.0906	142.00
4	107.5	130.7	17.5	111.38	90.0	28.21	319.04	179.47	2.0906	142.00
5	90.4	111.3	7.2	111.23	83.3	24.11	319.00	183.64	2.0904	135.64
6	73.9	102.6	7.2	111.24	66.7	16.44	319.00	191.33	2.0911	117.34
7	71.7	96.6	7.2	111.17	64.3	14.49	319.00	193.34	2.0908	111.00
8	69.3	93.7	7.2	111.14	62.1	13.43	319.00	194.43	2.0904	107.17
9	71.7	91.3	7.2	111.12	64.3	14.49	319.00	193.39	2.0904	111.03
10	74.9	84.7	7.2	111.11	66.6	16.47	319.00	191.02	2.0911	118.73
11	124.5	137.4	34.5	111.51	90.0	28.21	319.14	179.41	2.0906	142.00
12	118.3	137.4	28.3	111.52	90.0	28.21	319.11	179.38	2.0906	142.00
13	104.1	133.4	14.1	111.60	90.0	28.21	319.04	179.44	2.0906	142.00
14	84.7	109.6	7.2	111.31	78.3	23.01	319.00	183.64	2.0909	131.30
15	84.7	116.8	7.2	111.29	78.3	23.01	319.00	183.64	2.0909	131.30
16	118.3	137.4	34.5	111.74	90.0	28.21	319.11	179.15	2.0906	141.95
17	131.9	213.3	55.6	111.94	90.0	28.21	319.12	178.94	2.0906	141.81
18	114.6	174.6	24.6	111.64	90.0	28.21	319.09	179.23	2.0906	141.94
19	102.7	156.3	18.7	111.54	90.0	28.21	319.02	179.28	2.0906	142.00
20	93.3	144.9	7.2	111.47	84.8	23.31	319.00	180.34	2.0902	140.31
21	82.0	123.1	7.2	111.34	74.8	19.49	319.00	186.17	2.0911	123.70
22	77.4	114.1	7.2	111.37	74.0	17.26	319.00	190.47	2.0911	119.77
23	73.3	108.6	7.2	111.34	64.1	15.23	319.00	192.35	2.0910	113.44
24	74.3	108.6	7.2	111.34	67.8	15.63	319.00	192.13	2.0910	114.81
25	90.4	114.4	7.2	111.29	83.2	24.11	319.00	183.60	2.0906	135.62
26	81.9	108.6	7.2	111.24	76.7	20.49	319.00	187.27	2.0911	128.18
27	73.3	96.1	7.2	111.16	64.1	15.23	319.00	192.43	2.0910	113.49
28	64.3	91.7	7.2	111.14	57.0	11.32	319.00	194.55	2.0904	94.54
29	64.3	91.7	7.2	111.09	57.0	11.32	319.00	194.60	2.0904	94.58
30	60.9	84.6	7.2	111.04	51.7	10.04	319.00	197.90	2.0900	92.74

Date	Discharge (cum)	Discharge P.H. (cum)	RMG w/ Tail Spillage water level m (cum)	Plant Q level m (cum)	Loss	Raw level	Effect Head m	Efflux Unit sec	Output MW	Month J.A.N.
Oct. 1	200.3	188.4	110.3	111.72	90.0	28.21	319.37	179.44	2.0906	142.00
2	290.3	300.2	112.83	112.83	90.0	28.21	319.30	179.74	2.0909	141.67
3	276.4	347.9	112.47	112.47	90.0	28.21	319.54	178.38	2.0908	141.74
4	189.6	244.3	99.6	112.01	90.0	28.21	319.34	179.11	2.0905	141.91
5	136.3	188.4	44.8	111.72	90.0	28.21	319.15	179.23	2.0906	141.99
6	177.8	214.7	83.8	111.89	90.0	28.21	319.31	179.30	2.0906	141.94
7	217.9	270.2	127.9	112.15	90.0	28.21	319.43	179.04	2.0905	141.87
8	152.5	212.6	62.5	111.84	90.0	28.21	319.23	179.17	2.0906	141.94
9	146.6	170.7	51.6	111.62	90.0	28.21	319.22	179.30	2.0906	142.00
10	125.3	137.4	33.3	111.53	90.0	28.21	319.14	179.41	2.0906	142.00
11	96.1	139.1	8.1	111.43	90.0	28.21	319.01	179.34	2.0906	142.00
12	93.8	130.7	7.2	111.34	84.6	24.12	319.00	181.50	2.0901	139.39
13	129.4	190.1	39.4	111.33	90.0	28.21	319.11	179.39	2.0906	142.00
14	204.7	270.2	112.15	112.15	90.0	28.21	319.39	179.03	2.0909	141.83
15	419.1	443.3	120.1	113.33	90.0	28.21	319.43	178.43	2.0909	141.78
16	543.8	728.7	132.6	113.33	90.0	28.21	320.07	178.31	2.0906	141.72
17	361.0	608.2	110.4	113.25	90.0	28.21	320.10	178.64	2.0909	141.60
18	575.0	705.3	148.0	113.32	90.0	28.21	320.13	178.60	2.0909	141.58
19	654.9	877.6	168.9	113.48	90.0	28.21	320.23	178.77	2.0909	141.43
20	617.8	782.4	127.8	113.44	90.0	28.21	320.30	178.54	2.0909	141.54
21	564.1	647.6	113.22	113.22	90.0	28.21	320.07	178.63	2.0909	141.81
22	423.5	307.0	33.3	112.94	90.0	28.21	319.84	178.71	2.0909	141.85
23	317.3	283.6	227.5	113.60	90.0	28.21	319.65	178.84	2.0909	141.73
24	231.6	206.9	141.6	112.31	90.0	28.21	319.44	178.93	2.0909	141.79
25	179.0	141.1	99.0	112.61	90.0	28.21	319.31	179.10	2.0909	141.90
26	134.7	123.7	84.7	112.12	90.0	28.21	319.30	179.97	2.0906	141.82
27	150.5	220.1	60.5	111.94	90.0	28.21	319.23	179.09	2.0906	141.86
28	159.5	188.4	45.9	111.72	90.0	28.21	319.13	179.24	2.0906	141.99
29	177.8	214.7	83.8	111.84	90.0	28.21	319.28	179.21	2.0906	141.91
30	139.8	119.7	41.8	111.89	90.0	28.21	319.19	179.32	2.0906	141.89
31	172.1	164.9	42.1	111.39	90.0	28.21	319.14	179.34	2.0906	142.00 [41.72]
Nov. 1	105.8	137.4	15.8	111.52	90.0	28.21	319.05	179.32	2.0906	142.00
2	91.3	136.3	7.2	111.41	84.30	23.15	319.00	180.43	2.0906	140.64
3	92.1	130.7	7.2	111.39	84.90	23.10	319.00	182.52	2.0904	137.92
4	93.8	119.6	7.2	111.31	64.60	14.12	319.00	181.57	2.0902	139.74
5	97.2	119.6	7.2	111.31	90.0	28.21	319.00	179.43	2.0908	142.00
6	93.5	123.1	7.2	111.34	84.30	23.13	319.00	180.30	2.0900	140.81
7	92.1	119.6	7.2	111.31	90.0	28.21	319.00	182.39	2.0904	137.94
8	97.6	119.6	7.2	111.31	90.0	28.21	319.00	180.43	2.0906	142.00
9	84.8	103.6	7.2	111.20	71.40	20.97	319.00	186.83	2.0902	139.21
10	84.8	114.1	7.2	111.27	71.40	20.97	319.00	186.73	2.0902	139.27
11	78.3	103.6	7.2	111.20	72.10	15.10	319.00	189.49	2.0902	132.19
12	74.2	94.6	7.2	111.17	67.00	15.03	319.00	182.19	2.0902	130.85
13	70.9	93.7	7.2	111.14	63.70	14.13	319.00	193.73	2.0906	140.75
14	72.6	93.7	7.2	111.14	63.40	14.90	319.00	182.94	2.0906	132.43
15	69.3	93.7	7.2	111.14	62.10	14.43	319.00	194.43	2.0904	107.17
16	93.5	114.1	7.2	111.27	68.30	21.15	319.00	180.57	2.0906	140.63
17	70.9	91.3	7.2	111.13	63.70	14.13	319.00	195.75	2.0906	139.74
18	60.9	83.9	7.2	111.07	53.70	10.40	319.00	197.88	2.0900	93.73
19	33.2	73.0	7.2	111.01	48.00	8.02	319.00	199.94	2.0904	92.30
20	39.3	64.2	7.2	110.95	32.10	3.99	319.00	204.44	2.0911	54.99
21	44.2	71.2	10.95	110.95	47.00	11.30	319.00	204.73	2.0906	140.64
22	54.8	81.6	7.2	111.04	48.00	8.57	319.00	198.37	2.0907	83.19
23	62.7	83.9	7.2	111.01	45.30	10.75	319.00	197.20	2.0905	99.95
24	30.4	73.0	7.2	111.01	43.20	6.30	319.00	201.49	2.0906	72.99
25	58.5	63.7	7.2	110.95	51.30	9.17	319.00	198.38	2.0904	88.41
26	73.9	87.9	7.2	111.07	64.70	16.44	319.00	191.49	2.0901	117.45
27	52.0	83.9	7.2	111.07	44.80	6.98	319.00	200.94	2.0902	74.05
28	41.6	64.2	7.2	110.95	34.40	4.12	319.00	205.92	2.0911	62.65
29	37.0	58.1	7.2	110.90	38.80	3.09	319.00	205.01	2.0907	54.20
30	56.0	79.4	7.2	111.04	48.00	8.29	319.00	199.64	2.0907	83.73
Dec. 1	40.8	58.1	7.2	110.90	31.80	3.91	319.00	204.17	2.0912	61.29
2	29.9	54.3	7.2	110.87	22.70	1.79	319.00	206.33	2.0910	56.91
3	71.7	46.7	7.2	110.82	64.40	14.48	319.00	195.69	2.0908	111.22
4	120.9	136.3	70.9	111.41	90.0	28.21	319.12	179.50	2.0906	142.00
5	100.7	147.7	107	111.48	90.0	28.21	319.02	179.33	2.0906	142.00
6	67.6	119.6	7.2	111.31	60.40	12.71	319.00	194.99	2.0907	104.26
7	48.0	73.0	7.2	111.01	40.80	3.90	319.00	202.19	2.0903	66.31
8	44.8	70.6	7.2	110.98	37.40	4.92	319.00	202.09	2.0907	54.20
9	37.0	58.1	7.2	110.90	29.80	3.09	319.00	202.01	2.0906	47.82
10	38.3	72.9	7.2	111.00	31.30	3.41	319.00	204.99	2.0910	57.19
11	70.9	64.0	7.2	110.94	33.70	14.13	319.00	199.93	2.0908	119.88
12	47.2	70.6	7.2	110.96	40.00	3.97	319.00	202.04	2.0911	66.76
13	60.0	81.9	7.2	111.03	32.80	11.30	319.00	204.73	2.0906	99.86
14	34.9	54.3	7.2	110.87	27.70	2.87	319.00	202.63	2.0907	52.02
15	32.0	50.5	7.2	110.85	24.80	2.14	319.00	206.01	2.0904	44.28
16	24.3	45.7	7.2	110.82	19.30	1.30	319.00	204.88	2.0906	41.38
17	21.6	41.9	7.2	110.83	14.40	0.72	319.00	207.33	0.0000	0.00
18	124.7	79.4	34.7	111.04	90.0	28.21	319.13	179.34	2.0907	142.00
19	62.7	119.6	7.2	111.31	53.50	10.73	319.00	196.94	2.0904	93.80
20	41.6	58.1	7.2	110.90	34.40	4.12	319.00	203.99	2.0911	63.67
21	39.1	56.2	7.2	110.89	31.30	3.09	319.00	204.33	2.0911	56.41
22	37.0	54.3	7.2	110.87	29.80	3.09	319.00	202.03	2.0907	54.78
23	37.0	54.3	7.2	110.87	29.80	3.09	319.00	202.03	2.0907	54.78
24	31.3	50.3	7.2	110.85	24.10	2.02	319.00	206.13	2.0900	42.83
25	29.9	42.9	7.2	110.89	22.70	1.79	319.00	206.41	2.0910	39.93
26	29.7	39.7	7.2	110.87	22.00	1.66	319.00	206.34	2.0904	34.47
27	28.3	39.7	7.2	110.87	21.30	1.58	319.00	206.45	2.0906	37.00
28	28.3	38.2	7.2	110.78	21.30	1.58	319.00	206.46	2.0906	37.01
29	30.6	41.3	7.2	110.78	21.40	1.91	319.00	206.31	2.0907	41.99
30	104.1	190.1	141	111.43	90.0	28.21	319.04	179.40	2.0908	142.00
31	82.9	147.7	7.2	111.48	73.70	18.96	319.00	177.15	2.0911	126.26 [41.72]

POWER GENERATION SIMULATION

Year: 1988

Dam Axis B
F.S.L. = 119.00 mRated Head: 179.30 m
Max. Plant Discharge: 90.00 cum

Installd Capacity: 1410 MW

Date	Discharge (cum)	Discharge FSH (m)	RSG or Tail Spillage water level m (m)	Plant Q (cum)	Flow level (m)	Effort Head s (m)	Unit Use sec	Effort MW	Output MW	Month y Ave MW
Jan. 1	30.3	114.8	7.2	111.29	32.1	9.43	119.00	198.34	2 0.886	88.70
2	41.6	75.0	7.2	111.01	34.4	4.13	119.00	207.84	1 0.911	43.64
3	34.2	60.0	7.2	110.81	27.0	2.54	119.00	207.53	1 0.894	48.79
4	31.3	50.5	7.2	110.85	24.1	2.02	119.00	208.13	1 0.880	43.83
5	28.9	44.7	7.2	110.82	22.7	1.79	119.00	208.39	1 0.870	39.83
6	39.3	42.9	7.2	110.79	32.1	3.59	119.00	208.43	1 0.911	54.64
7	17.5	42.9	17.5	110.79	0.0	0.57	119.00	207.84	0 0.000	0.00
8	14.2	31.9	14.3	110.72	0.0	0.28	119.00	208.00	0 0.000	0.00
9	13.7	30.4	13.7	110.71	0.0	0.15	119.00	208.15	0 0.000	0.00
10	73.0	71.0	7.2	111.01	47.8	14.01	119.00	191.94	2 0.911	114.15
11	40.8	75.0	7.2	111.01	34.4	3.59	119.00	208.05	1 0.913	41.23
12	31.3	50.5	7.2	110.85	24.1	2.02	119.00	208.13	1 0.880	43.83
13	30.4	43.9	7.2	110.79	33.4	1.81	119.00	208.30	1 0.873	41.29
14	41.4	83.9	7.2	111.07	34.4	4.12	119.00	207.90	1 0.911	43.42
15	32.1	122.5	7.2	111.33	64.9	23.30	119.00	182.57	2 0.904	177.35
16	44.4	94.6	7.2	111.17	39.3	3.55	119.00	202.44	1 0.904	42.00
17	107.5	126.9	17.5	111.41	90.0	28.21	119.00	159.43	2 0.908	142.00
18	96.9	126.6	8.8	111.50	90.0	28.21	119.00	159.43	2 0.908	142.00
19	61.1	111.3	7.2	111.25	73.9	19.02	119.00	196.73	2 0.911	124.54
20	83.9	114.1	7.2	111.27	73.7	19.06	119.00	187.77	2 0.911	124.90
21	39.3	94.3	7.2	111.16	52.1	9.45	119.00	194.39	2 0.886	90.77
22	94.1	101.1	8.1	111.19	90.0	28.21	119.00	159.43	2 0.908	142.00
23	60.1	108.6	7.2	111.24	52.9	9.73	119.00	198.02	2 0.886	91.19
24	130.3	137.4	64.3	111.40	90.0	28.21	119.00	159.43	2 0.908	142.00
25	109.3	136.6	19.3	111.46	90.0	28.21	119.00	159.43	2 0.908	141.96
26	64.0	94.6	7.2	111.17	58.8	12.04	119.00	191.79	2 0.901	101.64
27	34.4	114.1	7.2	111.27	47.2	7.74	119.00	199.97	2 0.871	84.56
28	56.0	82.9	7.2	111.02	48.8	0.28	119.00	199.43	2 0.876	81.68
29	109.8	94.3	15.8	111.14	90.0	28.21	119.00	159.43	2 0.908	142.00
30	67.6	86.2	7.2	111.09	60.4	12.71	119.00	191.50	2 0.893	104.39
31	64.0	79.4	7.2	111.04	58.8	12.04	119.00	191.51	2 0.901	101.72
Feb. 1	130.2	221.8	64.3	111.81	90.0	28.21	119.00	159.43	2 0.908	141.92
2	144.6	200.4	54.6	111.79	90.0	28.21	119.00	159.43	2 0.908	141.96
3	100.7	194.3	10.7	111.54	90.0	28.21	119.00	159.43	2 0.908	142.00
4	60.1	102.4	7.2	111.20	52.9	9.73	119.00	198.02	2 0.886	91.21
5	47.2	79.4	7.2	111.04	40.5	5.57	119.00	202.14	2 0.841	64.75
6	111.1	63.9	11.1	111.07	90.0	28.21	119.00	159.43	2 0.908	142.00
7	37.6	91.7	7.2	111.14	30.4	8.85	119.00	198.01	2 0.841	84.84
8	44.8	64.0	7.2	110.94	37.6	4.92	119.00	202.14	1 0.906	47.81
9	64.2	73.0	7.2	111.01	57.0	11.32	119.00	194.87	2 0.894	94.63
10	129.4	146.9	39.4	111.59	90.0	28.21	119.00	159.43	2 0.908	142.00
11	108.3	136.1	18.3	111.43	90.0	28.21	119.00	159.43	2 0.908	142.00
12	100.7	120.1	10.7	111.34	90.0	28.21	119.00	159.43	2 0.908	142.00
13	72.6	93.7	7.2	111.14	70.4	17.36	119.00	190.40	2 0.911	119.84
14	37.6	79.4	7.2	111.04	30.4	8.85	119.00	199.31	2 0.842	84.66
15	54.4	75.0	7.2	111.01	47.2	7.74	119.00	202.13	2 0.871	80.68
16	82.0	102.4	7.2	111.20	74.8	19.06	119.00	188.31	2 0.911	125.79
17	125.3	179.4	35.3	111.67	90.0	28.21	119.00	159.43	2 0.908	141.90
18	112.8	150.6	22.8	111.50	90.0	28.21	119.00	159.43	2 0.908	142.00
19	65.1	108.6	7.2	111.34	57.9	11.48	119.00	194.09	2 0.899	107.06
20	82.9	91.7	7.2	111.14	73.7	19.06	119.00	187.90	2 0.911	124.90
21	52.1	79.4	7.2	111.04	45.6	7.24	119.00	200.71	2 0.845	77.61
22	44.0	64.2	7.2	110.95	40.8	5.80	119.00	202.25	2 0.845	64.73
23	49.6	41.9	7.2	110.93	42.4	6.26	119.00	201.81	2 0.832	71.47
24	43.3	61.9	7.2	110.93	34.0	4.51	119.00	202.56	1 0.910	61.32
25	31.3	54.3	7.2	110.87	24.1	2.02	119.00	208.10	1 0.830	42.83
26	72.6	75.0	7.2	111.01	47.2	7.74	119.00	199.97	2 0.870	81.50
27	75.0	108.6	7.2	111.24	67.8	16.01	119.00	191.51	2 0.911	114.01
28	134.1	119.4	44.1	111.31	90.0	28.21	119.00	159.43	2 0.908	142.00
29	83.0	130.7	7.2	111.39	76.7	20.49	119.00	187.13	2 0.911	128.09
Mar. 1	114.6	136.3	24.6	111.41	90.0	28.21	119.00	159.43	2 0.908	142.00
2	135.1	136.1	43.1	111.43	90.0	28.21	119.00	159.43	2 0.908	142.00
3	202.7	194.4	114.7	111.75	90.0	28.21	119.00	159.43	2 0.908	142.00
4	243.1	237.8	131.1	111.99	90.0	28.21	119.00	159.43	2 0.908	142.00
5	179.9	200.4	84.9	111.79	90.0	28.21	119.00	159.43	2 0.908	142.00
6	146.5	170.7	54.5	111.62	90.0	28.21	119.00	159.43	2 0.908	142.00
7	82.9	102.6	7.2	111.20	73.7	19.06	119.00	187.84	2 0.911	124.95
8	72.6	86.7	7.2	111.11	45.4	14.90	119.00	191.00	2 0.859	112.45
9	87.4	86.7	7.2	111.11	60.4	22.51	119.00	183.38	2 0.908	122.47
10	76.9	83.9	7.2	111.07	69.6	16.87	119.00	191.05	2 0.911	118.75
11	67.6	73.0	7.2	111.01	60.4	12.71	119.00	192.24	2 0.904	104.44
12	43.0	70.6	7.2	110.96	40.8	5.80	119.00	202.22	2 0.845	64.72
13	72.6	77.2	7.2	111.03	45.4	14.90	119.00	191.07	2 0.869	112.49
14	54.0	70.6	7.2	110.96	40.8	5.80	119.00	192.72	2 0.877	83.73
15	54.4	61.9	7.2	110.93	47.2	7.74	119.00	202.32	2 0.871	80.72
16	44.8	36.1	7.2	110.90	37.6	4.92	119.00	203.18	1 0.904	67.82
17	44.0	61.9	7.2	110.93	40.8	5.80	119.00	202.22	2 0.845	64.73
18	36.5	61.9	7.2	110.93	31.3	3.41	119.00	204.66	1 0.910	57.12
19	74.9	61.9	7.2	110.93	69.6	16.87	119.00	191.20	2 0.911	118.45
20	44.8	54.1	7.2	110.90	37.6	4.92	119.00	203.18	1 0.904	67.82
21	44.8	36.1	7.2	110.90	37.6	4.92	119.00	203.18	1 0.904	67.82
22	37.0	44.7	7.2	110.82	28.8	3.09	119.00	205.09	1 0.907	34.31
23	34.9	43.9	7.2	110.79	27.7	2.67	119.00	205.53	1 0.900	30.20
24	31.3	39.7	7.2	110.77	24.1	2.02	119.00	208.21	1 0.840	42.83
25	36.4	39.7	7.2	110.77	24.1	1.91	119.00	208.32	1 0.879	41.40
26	27.1	34.4	7.2	110.75	19.9	1.39	119.00	208.67	1 0.845	34.07
27	28.9	34.4	7.2	110.75	22.7	1.79	119.00	208.44	1 0.870	39.84
28	27.1	34.4	7.2	110.75	19.9	1.39	119.00	208.67	1 0.845	34.07
29	34.5	44.7	7.2	110.82	31.3	3.41	119.00	204.77	1 0.910	57.15
30	36.5	30.5	7.2	110.85	31.3	3.41	119.00	204.74	1 0.910	57.14
31	32.7	44.7	7.2	110.82	25.5	2.26	119.00	205.91	1 0.899	45.73

Date	Discharge Dam (cms)	Discharge FSH (cms)	RSG or Tail Spillage water level m (m)	Plant Q (cms)	Flow Level (m)	Effort Head s (m)	Unit Use sec	Effort MW	Output MW	Month y Ave MW
Apr. 1	63.7	61.9	7.2	110.93	53.30	10.73	119.00	197.33	2 0.895	94.04
2	37.0	41.9	7.2	110.93	29.80	3.09	119.00	204.94	1 0.907	54.28
3	32.7	44.7	7.2	110.82	23.30	2.36	119.00	205.91	1 0.880	45.73
4	28.5	39.7	7.2	110.77	21.30	1.58	119.00	206.43	1 0.878	37.00
5	37.9	34.6	7.2	110.75	30.70	1.49	119.00	206.74	1 0.833	33.79
6	33.0	31.3	7.2	110.75	15.80	0.87	119.00	207.40	1 0.797	31.40
7	31.7	30.4	7.2	110.71	28.90	2.83	119.00	205.44	1 0.903	31.81
8	49.8	54.3	7.2	110.87	43.40	4.24	119.00	201.87	2 0.853	71.49
9	34.4	41.9	7.2	110.93	47.30	7.74	119.00	203.72	2 0.871	80.72
10	39.3	54.1	7.2	110.90	32.10	3.39	119.00	204.51	1 0.911	54.40
11	31.3	42.9	7.2	110.79	24.10	2.02	119.00	208.16	1 0.840	42.83
12	28.5	34.6	7.2	110.75	21.30	1.58	119.00	206.47	1 0.838	37.01
13	30.2	44.8	7.2	110.81	73.00	18.54	119.00	180.43	2 0.912	123.87
14	135.9	144.9	43.9	111.47	90.0	28.21	119.00	159.43	2 0.909	142.00
15	90.4	116.8	7.3	111.29	83.30	34.11	119.00	103.60	2 0.905	132.62
16	98.1	79.4	7.3	111.04	52.30	8.65	119.00	106.20	2 0.886	98.83
17	51.3	40.4	7.2	110.94	44.60	6.74	119.00	121.25	2 0.859	74.57
18	51.2	64.2	7.2	110.95	44.00	6.54	119.00	101.30	2 0.859	74.56
19	43.2	54.2	7.2	110.88	36.50	4.51	119.00	209.40	1 0.910	45.33
20	40.0	50.5	7.2	110.83	31.80	3.75	119.00	204.41	1 0.911	39.89
21	40.0	44.7	7.2	110.82	32.80	3.75	119.00	204.43	1 0.911	39.89
22	48.0	50.5	7.2	110.83	40.80	5.80	119.00	202.54	2 0.845	65.93
23	93.8	75.0	7.2	111.01	66.40	26.32	119.00	111.87	2 0.902	139.32
24	84.8	96.6	7.2	111.17	77.40	30.97	119.00	104.86	2 0.910	125.53
25	105.8	94.6	13.8	111.17	90.0	28.21	119.05	179.47	2 0.908	142.00
26	236.2	209.7	144.3	111.84	90.0	28.21	119.47	179.41	2 0.908	142.00
27	240.9	203.7	170.9	112.12	90.0	28.21	119.53	179.20	2 0.908	141.96
28	208.0	231.3	118.0	111.96	90.0	28.21	119.39	179.23	2 0.908	141.98
29	154.4	185.5	64.4	111.71	90.0	28.21	119.34	179.32	2 0.908	142.00
30	130.1	142.0	30.1	111.45	90.0	28.21	119.12	179.44	2 0.908	142.00
54.37										
May 1	107.5	117.7	17.5	111.48	90.0	28.21	119.26	179.34	2 0.908	142.00
2	146.6	183.5	76.6	111.71	90.0	28.21	119.28	179.34	2 0.908	142.00
3	202.8	209.7	112.4	112.34	90.0	28.21	119.36	179.93	2 0.909	141.79
4	352.6	405.6	262.4	111.92	90.0	28.21	119.72	178.60	2 0.908	141.58
5	409.5	511.8	319.5	115.00	90.0	28.21	119.82	178.83	2 0.909	141.60
6	306.2	398.1	316.2	112.63	90.0	28.21	119.63	178.77	2 0.908	141.68
7	223.5	294.3	122.5	112.27	90.0	28.21	119.63	178.94	2 0.908	141.81
8	259.8	491.7	204.9	112.91	90.0	28.21	119.60	178.44	2 0.908	141.51
9	346.0	424.2	247.0	112.91	90.0	28.21	119.64	178.06	2 0.909	141.53
10	311.2	394.5	221.2	112.64	90.0	28.21	119.64	178.79	2 0.909	141.70
11	244.3	330.4	193.3	112.41	90.0	28.21	119.49	178.87	2 0.909	141.75
12	179.0	244.3	90.0	112.02	90.0	28.21	119.31	179.28	2 0.908	141.80
13	182.1	237.3	90.1	112.09	90.0	28.21	119.32	179.02	2 0.908	141.85
14	203.3	240.7	110.3	112.34	90.0	28.21	119.37	178.93	2 0.908	141.79
15	164.5	247.5	74.5	112.04	90.0	28.21	119.27	179.02	2 0.908	141.83
16	131.2	200.4	41.3	111.79	90.0	28.21	119.16	179.14	2 0.908	141.93
17	136.8	237.3	44.8	112.09	90.0	28.21	119.18	178.88	2 0.908	141.78
18	143.4	280.7	58.4	112.34	90.0	28.21	119.22	178.77	2 0.909	141.89
19	131.2	187.8	41.2	111.99	90.0	28.21	119.14	179.94	2 0.908	141.81
20	120.1	202.4	30.1	111.79	90.0	28.21	119.12	179.11	2 0.908	141.91
21	120.1	211.6	30.1	111.84	90.0	28.21	119.12	179.05	2 0.908	141.84
22	139.8	237.4	49.0	112.44	90.0	28.21	119.19	178.53	2 0.909	141.94
23	375.9	745.2	242.0	111.90	90.0	28.21	119.78	177.11	2 0.910	141.24
24	519.8	1134.9	429.8	115.93	90.0	28.21	120.03	177.90	2 0.909	141.13
25	447.4	718.1	377.4	115.34	90.0	28.21	119.91	178.54	2 0.909	141.62
26	347.4	491.7	257.4	112.91	90.0	28.21	119.71	178.60	2 0.908	141.54
27	299.9	387.2	209.9	112.61	90.0	28.21	119.61	178.79	2 0.909	141.70
28	249.3	341.2	179.3	112.45	90.0	28.21	119.54	178.89	2 0.908	141.74
29	222.5	296.5	122.5	112.27	90.0	28.21	119.43	178.94	2 0.908	141.81
30	168.6	260.5	78.6	112.10	90.0	28.21	119.28	178.97	2 0.908	141.82
31	169.6	244.3	74.6	112.02	90.0	28.21	119.25	179.02	2 0.908	141.71
141.71										
Jun. 1	135.0	206.5	45.0	111.83	90.0	28.21	119.17	179.14	2 0.908	141.92
2	116.3	176.4	24.1	111.44	90.0	28.21	119.10	179.23	2 0.908	141.88
3	107.5	164.0	17.5	111.39	90.0	28.21	119.04	179.34	2 0.908	142.00
4	112.0	173.4	22.0	111.64	90.0	28.21	119.08	179.23	2 0.908	141.94
5	118.3	182.5	28.3	111.46	90.0	28.21	119.11	179.21	2 0.908	141.97
6	103.2	159.1	13.2	111.55	90.0	28.21	119.04	179.27	2 0.908	142.00
7	93.8	142.0	7.2	111.45	84.80	24.12	119.00	181.43	2 0.902	136.95
8	92.1	136.3	7.2	111.41	84.90	23.50	119.00	182.43	2 0.904	137.30
9	93.0	130.7	7.2	111.38	85.80	23.64	119.00	181.98	2 0.903	136.21
10	94.7	136.3	7.2	111.41	87.90	24.46	119.00	180.92	2 0.901	139.82
11	92.1	130.7	7.2	111.38	84.80	23.50	119.00	182.52	2 0.904	137.32
12	84.7	125.1	7.2	111.34	79.90	22.01	119.00	183.64	2 0.903	131.44
13	90.4	123.1	7.2	111.34	82.20	22.11	119.00	183.65	2 0.904	133.59
14	127.4	206.5	34.3	111.83	90.0	28.21	119.15	179.11	2 0.908	141.90
15	115.5	182.5	25.3	111.45	90.0	28.21	119.10	179.06	2 0.908	141.87
16	93.8	120.7	7.2	111.62	84.40	24.12	119.00	181.16	2 0.902	136.83
17	101.5	153.4	11.5	111.52	90.0	28.21	119.03	179.20	2 0.908	142.00
18	90.4	147.7	7.2	111.48	83.30	24.11	119.00	183.41	2 0.906	135.49
19	107.5	142.0	17.5	111.45	90.0	28.21	119.04	179.60	2 0.908	142.00
20	308.7	408.9	218.7	112.64	90.0	28.21	119.53	178.74	2 0.909	141.67
21	342.1	523.5	252.1	112.98	90.0	28.21	119.70	178.51	2 0.909	141.52
22	280.9	330.0	170.9	112.99	90.0	28.21	119.53	178.73	2 0.909	141.64
23	196.0	249.7	106.0	112.34	90.0	28.21	119.36	178.92	2 0.908	141.78
24	204.7	270.2	114.7	112.15	90.0	28.21	119.39	179.03	2 0.908	141.85
25	164.5	260.5	74.5	112.10	90.0	28.21	119.27	178.94	2 0.908	141.81
26	144.6	213.3	54.6	111.96	90.0	28.21	119.21	179.04	2 0.908	141.84
27	123.5	202.4	33.5	111.79	90.0	28.21	119.14	179.14	2 0.908	141.92
28	130.1	182.5	30.1	111.49	90.0	28.21	119.12	179.21	2 0.908	141.97
29	118.3	176.4	28.3	111.46	90.0	28.21	119.11	179.24	2 0.908	141.99
30	107.3	164.1	17.2	111.35	90.0	28.21	119.04	179.27	2 0.908	142.00

POWER GENERATION SIMULATION

Year: 1988

Date Asst B
F.S.L. = 319.00 m

Road Head

179.30 m

Installed Capacity: 142.0 MW

Min. Plant Discharge: 80.00 cusec

Date	Discharge Dm (cms)	Discharge F.H. (cms)	R.H.F. or T.H. Spillage water level m	Plant Q (cms)	Loss	Rev. level	Effect. Head h	Effici. Unit sec	Output MW	Month y Ave. MW	
Jul	1	111.1	129.6	21.1	111.50	90.0	23.21	179.34	2	0.896	142.00
2	94.3	147.7	8.9	111.44	90.0	23.21	179.32	2	0.896	142.00	
3	90.4	150.7	7.2	111.38	93.3	24.11	180.51	2	0.904	135.54	
4	84.8	125.1	7.2	111.54	77.6	20.97	154.64	2	0.910	126.22	
5	82.0	116.8	7.3	111.29	74.9	18.49	139.60	2	0.911	123.74	
6	79.3	114.1	7.3	111.27	72.1	18.10	139.00	2	0.912	122.14	
7	81.1	108.6	7.3	111.34	73.9	19.02	139.00	2	0.911	124.39	
8	81.1	108.6	7.3	111.34	73.9	19.02	139.00	2	0.911	124.39	
9	71.9	107.4	7.3	111.30	66.7	16.44	139.00	2	0.911	117.34	
10	70.0	94.3	7.2	111.14	63.8	13.74	139.00	2	0.907	108.30	
11	64.4	94.3	7.2	111.14	61.2	13.04	139.00	2	0.903	105.44	
12	64.0	93.7	7.2	111.14	58.9	12.04	139.00	2	0.901	101.64	
13	64.3	84.7	7.2	111.11	57.0	11.32	139.00	2	0.898	96.30	
14	61.8	84.2	7.2	111.09	54.6	10.38	139.00	2	0.895	94.34	
15	59.3	81.8	7.2	111.04	52.1	9.43	139.00	2	0.886	89.23	
16	57.6	78.4	7.2	111.04	50.4	8.83	139.00	2	0.882	84.69	
17	54.0	75.4	7.2	111.04	44.8	6.39	139.00	2	0.877	81.70	
18	54.4	75.0	7.3	111.01	47.2	7.74	139.00	2	0.877	80.68	
19	57.4	75.0	7.2	111.01	44.4	7.30	139.00	2	0.868	79.13	
20	52.8	72.9	7.2	111.00	43.6	7.34	139.00	2	0.848	77.40	
21	50.4	70.4	7.2	110.98	43.3	6.30	139.00	2	0.834	73.00	
22	48.8	70.6	7.2	110.98	41.6	6.03	139.00	2	0.849	69.86	
23	48.0	70.6	7.2	110.98	40.8	5.80	139.00	2	0.845	68.32	
24	45.6	64.4	7.2	110.97	38.4	5.14	139.00	2	0.804	64.99	
25	43.4	64.0	7.2	110.94	33.2	4.32	139.00	2	0.811	64.01	
26	40.0	61.0	7.2	110.93	32.8	3.73	139.00	2	0.811	59.66	
27	36.3	60.0	7.2	110.91	31.3	3.41	139.00	2	0.810	57.13	
28	41.6	60.0	7.3	110.91	34.4	4.32	139.00	2	0.811	62.67	
29	41.6	60.0	7.3	110.91	34.4	4.32	139.00	2	0.811	62.67	
30	41.6	60.0	7.2	110.91	34.4	4.32	139.00	2	0.811	62.67	
31	60.0	60.0	7.2	110.91	31.3	3.73	139.00	2	0.811	59.67	
Aug	1	36.3	60.0	7.2	110.91	31.3	3.41	139.00	2	0.810	57.13
2	37.8	58.1	7.2	110.90	30.6	3.26	139.00	2	0.809	55.81	
3	37.8	54.2	7.2	110.88	30.6	3.26	139.00	2	0.809	53.82	
4	37.0	54.2	7.2	110.88	28.8	3.09	139.00	2	0.807	54.28	
5	37.0	54.3	7.2	110.87	28.8	3.09	139.00	2	0.807	54.28	
6	37.0	54.3	7.2	110.87	28.8	3.09	139.00	2	0.807	54.28	
7	36.5	54.3	7.2	110.87	31.3	3.41	139.00	2	0.810	57.14	
8	44.8	43.6	7.2	110.83	37.6	4.92	139.00	2	0.804	67.84	
9	37.0	54.3	7.2	110.87	28.8	3.09	139.00	2	0.807	54.28	
10	37.0	54.3	7.2	110.86	28.8	3.09	139.00	2	0.807	54.30	
11	34.2	50.3	7.2	110.85	27.0	2.54	139.00	2	0.807	48.78	
12	34.2	48.4	7.2	110.83	27.0	2.54	139.00	2	0.807	48.78	
13	34.2	50.3	7.2	110.83	27.0	2.54	139.00	2	0.807	48.78	
14	34.2	50.3	7.2	110.83	27.0	2.54	139.00	2	0.807	48.78	
15	32.7	50.3	7.2	110.83	25.3	2.26	139.00	2	0.806	45.72	
16	32.0	46.7	7.2	110.82	24.8	2.14	139.00	2	0.804	44.28	
17	30.4	46.7	7.2	110.82	23.4	1.91	139.00	2	0.817	41.39	
18	32.7	46.7	7.2	110.82	25.3	2.26	139.00	2	0.806	45.72	
19	32.4	50.3	7.2	110.83	24.2	2.39	139.00	2	0.803	47.16	
20	32.4	50.3	7.2	110.83	24.2	2.39	139.00	2	0.803	47.16	
21	32.7	50.3	7.2	110.83	25.3	2.26	139.00	2	0.806	45.72	
22	31.3	48.4	7.2	110.83	24.1	2.02	139.00	2	0.804	42.84	
23	28.9	44.8	7.2	110.81	22.7	1.79	139.00	2	0.810	39.93	
24	28.9	42.9	7.2	110.79	22.7	1.79	139.00	2	0.810	39.93	
25	28.2	42.9	7.2	110.79	22.0	1.69	139.00	2	0.804	38.47	
26	28.2	41.3	7.2	110.78	22.0	1.69	139.00	2	0.804	38.47	
27	28.5	41.3	7.2	110.78	21.3	1.54	139.00	2	0.804	37.00	
28	28.5	39.7	7.2	110.77	21.3	1.54	139.00	2	0.804	37.00	
29	28.5	39.7	7.2	110.77	21.3	1.54	139.00	2	0.804	37.00	
30	34.3	39.7	7.2	110.77	21.1	1.60	139.00	2	0.813	38.25	
31	30.4	34.6	7.2	110.77	17.4	1.81	139.00	2	0.812	41.40	
Sept	1	24.1	39.7	7.2	110.77	11.3	1.38	139.00	2	0.838	37.00
2	28.5	39.7	7.2	110.77	21.3	1.54	139.00	2	0.804	37.00	
3	27.1	38.2	7.2	110.76	19.9	1.39	139.00	2	0.835	34.07	
4	25.1	34.6	7.2	110.75	17.9	1.12	139.00	2	0.823	29.90	
5	24.3	34.6	7.2	110.74	17.1	1.02	139.00	2	0.814	28.23	
6	24.3	35.1	7.2	110.74	17.1	1.02	139.00	2	0.814	28.23	
7	24.3	35.1	7.2	110.74	17.1	1.02	139.00	2	0.814	28.23	
8	24.3	35.1	7.2	110.74	17.1	1.02	139.00	2	0.814	28.23	
9	23.0	33.3	7.2	110.73	15.8	0.87	139.00	2	0.797	25.80	
10	23.0	33.3	7.2	110.73	15.8	0.87	139.00	2	0.797	25.80	
11	22.2	31.9	7.2	110.72	15.0	0.78	139.00	2	0.800	0.00	
12	21.6	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
13	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
14	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
15	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
16	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
17	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
18	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
19	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
20	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
21	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
22	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
23	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
24	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
25	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
26	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
27	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
28	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
29	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	
30	20.9	30.4	7.2	110.71	14.0	0.72	139.00	2	0.800	0.00	

49.08

Date	Discharge (cum)	Discharge F.H. (cum)	R.H.F. or T.H. Spillage water level (m)	Plant Q (cum)	Loss	Rev. level	Effici. Head h	Unit sec	Output MW	Month y Ave. MW		
Oct.	1	61.7	94.3	7.2	111.14	55.85	10.79	139.00	157.12	2	0.801	94.91
2	60.3	79.4	7.2	111.04	52.90	9.73	139.00	198.31	2	0.848	91.30	
3	64.2	94.3	7.2	111.14	57.00	11.30	139.00	194.33	2	0.888	94.35	
4	120.1	205.5	30.1	111.83	90.00	28.21	139.12	179.04	2	0.898	141.84	
5	97.2	170.7	7.2	111.42	90.00	28.21	139.00	179.17	2	0.898	141.84	
6	72.6	123.1	7.2	111.34	63.40	14.90	139.00	182.76	2	0.900	112.30	
7	59.3	94.6	7.2	111.17	52.10	9.43	139.00	198.37	2	0.886	98.77	
8	72.6	81.9	7.2	111.07	45.80	7.24	139.00	200.44	2	0.885	77.59	
9	49.4	79.4	7.2	111.04	42.40	6.34	139.00	201.69	2	0.832	71.43	
10	32.0	77.2	7.2	111.03	44.80	6.59	139.00	200.96	2	0.842	74.07	
11	49.4	81.7	7.2	111.14	43.40	6.34	139.00	201.40	2	0.832	71.38	
12	51.6	92.7	7.2	111.14	44.40	7.30	139.00	200.36	2	0.848	78.08	
13	54.4	97.7	7.2	111.14	47.30	7.74	139.00	200.10	2	0.871	80.42	
14	69.3	96.6	7.2	111.17	42.10	13.43	139.00	194.40	2	0.904	107.15	
15	49.4	84.7	7.2	111.11	42.40	6.34	139.00	201.43	2	0.832	71.39	
16	44.8	70.6	7.2	110.98	37.60	4.82	139.00	200.09	2	0.804	67.00	
17	39.3	64.0	7.2	110.94	32.10	3.59	139.00	200.47	2	0.811	54.29	
18	37.0	54.1	7.2	110.90	28.80	3.09	139.00	200.01	2	0.807	54.29	
19	44.4	61.9	7.2	110.93	29.20	3.55	139.00	202.72	1	0.901	70.14	
20	67.6	91.2	7.2	111.12	40.80	12.71	139.00	195.17	2	0.903	100.37	
21	92.1	134.3	7.2	111.41	84.80	24.10	139.00	182.44	2	0.904	137.50	
22	43.7	105.4	7.2	111.20	52.90	10.79	139.00	197.27	2	0.885	92.98	
23	67.6	114.1	7.2	111.27	60.40	12.71	139.00	195.02	2	0.903	101.26	
24	100.7	184.4	10.7	111.72	90.00	28.21	139.02	179.09	2	0.898	141.89	
25	111.1	200.5	21.1	111.81	90.00	28.21	139.08	179.04	2	0.898	141.87	
26	234.8	872.4	134.8	112.26	90.00	28.21	139.44	177.97	2	0.899	311.17	
27	271.6	499.4	158.5	123.93	90.00	28.21	139.55	178.41	2	0.899	447.64	
28	219.8	337.6	177.9	112.44	90.00	28.21	139.42	176.78	2	0.899	349.89	
29	140.7	244.5	90.7	112.04	60.00	24.21	139.16	178.94	2	0.896	141.81	
30	95.5	176.6	7.2	111.64	64.30	15.19	139.08	180.19	2	0.900	67.41	
31	79.3	142.9	7.2	111.45	72.10	18.10	139.00	186.49	2	0.912	120.01	
Nov.	1	71.7	122.5	7.2	111.33	64.20	14.40	139.00	192.18	2	0.908	100.90
2	108.4	108.4	7.2	111.24	57.10	11.08	139.00	194.09	2	0.900	100.04	
3	54.6	93.7	7.2	111.14	49.00	8.57	139.00	199.29	2	0.878	93.11	
4	112.7	83.9	7.2	111.07	44.00	6.74	139.00	201.18	2	0.839	74.13	
5	47.2	77.2	7.2	111.03	40.00	5.57	139.00	202.40	2	0.841	64.74	
6	40.8	77.8	7.2	111.02	34.80	4.72	139.00	202.54	2	0.801	64.74	
7	64.8	64.4	7.2	110.97	37.40	3.95	139.00	200.10	2	0.912	127.17	
8	40.0	64.0	7.2	110.94	32.80	3.75	139.00	204.31	1	0.911	94.84	
9	37.0	54.1	7.2	110.90	28.80	3.09	139.00	203.01	1	0.907	54.29	
10	39.3	64.0	7.2	110.94	32.10	3.59	139.00	200.47	1	0.911	54.89	
11	34.9	61.9	7.2	110.93	27.10	2.67	139.00	203.40	1	0.903	30.14	
12	44.8	61.9	7.2	110.93	37.80	4.82	139.00	200.13	1	0.906	67.82	
13	47.6	86.2	7.2	111.02	42.40	12.71	139.00	195.20	2	0.905	104.39	
14	64.6	96.3	7.2	111.16	49.40	12.57	139.00	193.47	2	0.902	107.01	
15	51.2	77.2	7.2	111.05	44.00	6.74	139.00	201.23	2	0.839	74.23	
16	40.1	64.0	7.2	110.94	37.80	3.95	139.00	200.11	1	0.912	61.28	
17	34.9	34.3	7.2	110.87	27.70	2.67	139.00	203.43	1	0.903	30.17	
18	33.4	50.3	7.2	110.85	24.20	2.39	139.00	203.74	1	0.899	47.16	
19	31.1	48.8	7.2	110.83	24.80	2.02	139.00	206.14	1	0.880	42.84	
20	33.0	48.4	7.2	110.83	24.80	2.14	139.00	203.03	1	0.884	44.79	
21	35.4	58.1	7.2	110.85	24.20	2.39	139.00	203.54	1	0.895	47.14	
22	35.7	60.0	7.2	110.81	24.10	2.13	139.00	203.44	1	0.870	51.79	
23	36.3	58.1	7.2	110.80	28.10	2.95	139.00	205.15	1	0.900	52.80	
24	29.9	41.4	7.2	110.83	22.70	1.79	139.00	206.37	1	0.870	39.93	
25	25.1	42.3	7.2	110.79	17.00	1.12	139.00	207.09	1	0.823	32.90	
26	23.7	34.6	7.2	110.75	14.90	0.95	139.00	207.39	1	0.804	27.02	
27	32.7	39.7	7.2	110.77	13.20	0.24	139.00	203.96	1	0.808	45.74	
28	37.8	44.0	7.2	110.94	30.60	3.34	139.00	204.80	1	0.909	55.80	
29	29.9	45.7	7.2	110.82	22.70	1.79	139.00	206.39	1	0.870	39.92	
30	23.5	41.3	7.2	110.78	21.30	1.54	139.00	206.64	1	0.838	37.00	
Dec.	1	24.1	38.2	7.2	110.76	17.10	1.02	139.00	207.22	1	0.813	28.25
2	24.5	36.6	7.2	110.75	15.10	1.02	139.00	207.23	1	0.814	28.25	
3	27.9	44.7	7.2	110.82	30.70	3.49	139.00	204.40	1	0.912	53.79	
4	24.5	42.9	7.2	110.79	19.30	1.30	139.00	206.91	1	0.838	32.81	
5	23.7	39.7	7.2	110.77	18.10	1.19	139.00	207.04	1	0.830	31.15	
6	21.6	35.1	7.2	110.74	14.40	0.72	139.00	207.54	0	0.000	0.00	
7	19.5	31.9	7.2	110.72	12.30	0.53	139.00	207.74	0	0.000	0.00	
8	17.5	30.4	7.2	110.71	10.10	0.37	139.00	207.92	0	0.000	0.00	
9	16.9	28.9	7.2	110.70	9.70	0.33	139.00	207.98	0	0.000	0.00	
10	13.7	28.9	7.2	110.70	4.50	0.13	139.00	208.18	0	0.000	0.00	
11	23.7	28.9	7.2	110.70	14.80	0.93	139.00	207.54	1	0.804	27.08	
12	23.7	31.9	7.2	110.72	16.80	0.53	139.00	207.33	1	0.806	27.00	
13	20.9	30.4	7.2	110.71	13.70	0.45	139.00	207.72	0	0.000	0.00	
14	34.9	33.5	7.2	110.73	27.70	2.67	139.00	205.66	1	0.900	94.21	
15	34.9	64.2	7.2	110.83	27.70	2.67	139.00	205.37	1	0.900	93.13	
16	29.9	50.5	7.2	110.83	22.70	1.79	139.00	206.34	1	0.870	39.92	
17	35.7	39.7	7.2	110.77	18.10	1.19	139.00	207.04	1	0.830	31.15	
18	25.7	33.5	7.2	110.73	16.30	1.19	139.00	207.08	1	0.830	31.15	
19	22.2	24.9	7.2	110.70	15.00	0.78	139.00	207.22	0	0.000	0.00	
20	22.2	33.5	7.2	110.73	13.00	0.78	139.00	207.49	0	0.000	0.00	
21	25.1	33.1	7.2	110.74	17.90	1.12	139.00	207.14	1	0.823	29.91	
22	25.0	34.2	7.2	110.76	18.10	0.87	139.00	207.37	1	0.797	23.99	
23	20.9	31.9	7.2	110.72	13.70	0.45	139.00	207.63	0	0.000	0.00	
24	33.4	33.5	7.2	110.73	24.20	2.39	139.00	205.88	1	0.895	47.19	
25	44.0	71.0	7.2	111.04	49.80	13.04	139.00	195.94	2	0.901	150.74	
26	56.8	79.4	7.2	111.04	49.80	13.04	139.00	196.39	2	0.901	150.74	
27	38.3	54.3	7.2	110.87	31.30	3.41	139.00	204.72	1	0.910	67.13	
28	35.4	52.4	7.2	110.86	24.20	2.39	139.00	205.71	1	0.900	54.29	
29	34.9	64.0	7.2	110.94	27.70	2.67	139.00	205.39	1	0.900	30.16	
30	40.8	61.9	7.2	110.93	37.80	3.95	139.00	200.14	1	0.912	61.28	
31	45.0	72.9	7.2	111.00	42.00	5.80	139.00	202.20	2	0.945	64.31	

POWER GENERATION SIMULATION

Year: 1989

Date Apr 8
P.L.L. = 110.0 mRead Head
Max. Plant Discharge: 179.30 m
90.00 m/s

Installed Capacity: 142.0 MW

Date	Discharge Down (cm)	Discharge P.H. (cm)	RNG or Tail Spillage water level in (cm)	Plant Q (m³/s)	Loss	Raw level	Effect Head h (m)	Efficiency Unit a/c	Output MW	Month y Ave MW
Jan. 1	46.3	79.4	7.2	111.04	41.6	4.02	179.20	1	0.849	49.86
2	50.4	75.0	7.2	111.01	43.2	4.50	179.00	2	0.836	72.99
3	46.4	64.2	7.2	110.95	39.2	3.35	179.00	3	0.901	70.13
4	46.0	64.0	7.2	110.94	36.9	4.72	179.00	4	0.908	65.94
5	46.0	136.3	7.2	111.41	40.1	9.80	179.00	5	0.843	68.14
6	137.8	231.3	47.8	111.96	90.0	24.51	179.02	6	0.898	141.84
7	103.9	230.8	102.8	112.41	90.0	26.21	178.74	7	0.899	141.67
8	164.3	228.1	74.3	111.94	90.0	26.21	179.12	8	0.898	141.91
9	228.3	276.7	136.2	112.18	90.0	28.21	179.26	9	0.898	141.87
10	247.8	317.1	177.0	112.35	90.0	28.21	178.49	10	0.898	141.79
11	221.4	246.9	131.4	112.35	90.0	28.21	179.09	11	0.898	141.89
12	189.6	228.1	99.6	111.94	90.0	28.21	179.19	12	0.898	141.94
13	158.8	182.3	68.8	111.89	90.0	28.21	179.24	13	0.898	142.00
14	121.9	120.4	31.9	111.90	90.0	28.21	179.41	14	0.898	142.00
15	102.3	147.7	12.3	111.48	90.0	28.21	179.54	15	0.898	142.00
16	108.5	218.7	78.6	111.89	90.0	28.21	179.18	16	0.898	141.95
17	210.3	310.2	120.3	112.35	90.0	28.21	179.40	17	0.899	141.78
18	171.7	264.3	81.7	112.02	90.0	28.21	179.29	18	0.898	141.87
19	111.1	130.7	21.1	111.62	90.0	28.21	179.24	19	0.898	141.99
20	92.1	133.4	7.2	111.60	84.9	23.10	179.00	20	0.904	137.31
21	73.3	106.1	7.2	111.33	64.1	13.22	179.00	21	0.910	113.43
22	64.2	96.3	7.2	111.16	57.0	11.32	179.00	22	0.918	94.35
23	60.1	96.3	7.2	111.09	52.9	9.75	179.00	23	0.928	91.27
24	69.9	111.3	7.2	111.21	62.4	23.08	179.00	24	0.907	134.79
25	130.5	142.0	60.3	111.57	90.0	28.21	179.23	25	0.908	142.00
26	180.5	185.3	63.3	111.71	90.0	28.21	179.34	26	0.908	142.00
27	274.3	270.2	184.1	112.17	90.0	28.21	179.34	27	0.898	141.94
28	241.0	272.3	471.2	112.59	90.0	28.21	179.10	28	0.899	141.99
29	279.9	268.5	441.9	113.42	90.0	28.21	178.49	29	0.898	141.51
30	436.3	606.2	344.3	113.13	90.0	28.21	178.84	30	0.899	141.53
31	461.1	778.1	272.1	112.44	90.0	28.21	178.29	31	0.899	141.38
125.83										
Feb. 1	413.7	697.2	320.7	113.30	90.0	28.21	178.84	1	0.899	141.41
2	369.8	719.8	279.8	113.37	90.0	28.21	178.73	2	0.899	141.33
3	262.3	695.6	182.3	112.95	90.0	28.21	179.17	3	0.899	141.48
4	220.3	583.6	130.3	112.60	90.0	28.21	179.42	4	0.899	141.99
5	103.5	286.4	73.5	112.22	90.0	28.21	179.27	5	0.898	141.73
6	126.5	234.9	34.3	111.82	90.0	28.21	179.01	6	0.898	141.84
7	108.4	186.4	18.4	111.72	90.0	28.21	179.13	7	0.898	141.92
8	93.8	159.1	7.2	111.53	84.6	24.12	179.00	8	0.902	130.84
9	83.9	138.1	7.2	111.43	75.7	19.96	179.00	9	0.911	126.80
10	76.8	129.1	7.2	111.34	66.6	14.87	179.00	10	0.911	118.38
11	66.4	114.1	7.2	111.27	61.2	13.04	179.00	11	0.903	105.41
12	64.2	103.6	7.2	111.20	57.0	11.32	179.00	12	0.908	98.32
13	56.3	96.3	7.2	111.14	51.5	9.17	179.00	13	0.944	68.70
14	87.6	133.4	7.2	111.40	64.4	23.51	179.00	14	0.908	132.48
15	96.6	137.9	7.2	111.34	61.4	23.08	179.00	15	0.908	129.53
16	95.5	130.6	7.2	111.30	64.3	27.15	179.00	16	0.900	126.30
17	113.9	234.5	33.8	111.97	90.0	28.21	179.09	17	0.898	141.77
18	113.3	125.3	22.8	111.71	90.0	28.21	179.17	18	0.898	141.94
19	138.8	206.5	44.8	111.83	90.0	28.21	179.19	19	0.898	141.95
20	113.3	231.3	25.3	111.94	90.0	28.21	179.19	20	0.898	141.79
21	180.8	293.0	102.8	112.23	90.0	28.21	178.89	21	0.898	141.77
22	207.8	286.4	115.8	112.22	90.0	28.21	179.94	22	0.898	141.81
23	288.6	402.3	208.4	112.67	90.0	28.21	178.73	23	0.899	141.66
24	360.2	523.5	302.2	112.98	90.0	28.21	178.61	24	0.899	141.58
25	340.7	472.7	270.3	112.59	90.0	28.21	178.47	25	0.899	141.53
26	277.7	341.8	187.7	112.53	90.0	28.21	178.83	26	0.899	141.73
27	215.8	280.7	129.8	112.34	90.0	28.21	178.97	27	0.898	141.81
28	180.3	254.0	93.3	112.07	90.0	28.21	179.03	28	0.898	141.84
134.83										
Mar. 1	212.4	351.4	125.4	112.49	90.0	28.21	179.41	1	0.899	141.63
2	182.2	276.7	92.2	112.18	90.0	28.21	179.92	2	0.898	141.79
3	125.5	212.4	53.3	111.86	90.0	28.21	179.07	3	0.898	141.83
4	141.6	194.4	31.6	111.76	90.0	28.21	179.23	4	0.898	141.98
5	129.4	202.4	36.4	111.79	90.0	28.21	179.15	5	0.898	141.93
6	102.7	199.1	10.7	111.55	90.0	28.21	179.24	6	0.898	142.00
7	127.4	221.8	37.4	111.91	90.0	28.21	179.03	7	0.898	141.85
8	126.4	247.5	34.4	112.04	90.0	28.21	179.15	8	0.898	141.77
9	104.1	179.5	14.1	111.67	90.0	28.21	179.14	9	0.898	141.93
10	98.1	153.4	8.1	111.52	90.0	28.21	179.23	10	0.898	142.00
11	73.9	127.9	7.2	111.36	66.7	14.44	179.00	11	0.911	117.25
12	72.6	119.4	7.2	111.31	63.4	14.90	179.00	12	0.900	112.32
13	70.9	116.8	7.2	111.29	63.7	14.13	179.00	13	0.907	109.64
14	68.4	106.1	7.2	111.22	61.2	13.65	179.00	14	0.908	105.42
15	97.3	151.4	7.2	111.40	68.3	27.15	179.00	15	0.900	140.37
16	84.8	125.4	7.2	111.40	71.6	20.97	179.00	16	0.910	129.19
17	70.0	101.7	7.2	111.22	63.8	13.74	179.00	17	0.927	108.24
18	60.1	96.3	7.2	111.16	52.9	9.75	179.00	18	0.946	91.23
19	33.6	84.2	7.2	111.09	44.4	7.90	179.00	19	0.946	79.12
20	60.1	106.1	7.2	111.22	52.9	9.75	179.00	20	0.946	91.20
21	80.4	116.8	7.2	111.29	63.2	14.11	179.00	21	0.904	133.62
22	97.0	188.4	7.2	111.72	85.8	23.64	179.00	22	0.904	137.99
23	74.8	200.4	7.2	111.79	69.8	16.87	179.00	23	0.911	114.30
24	96.4	150.4	7.2	111.90	43.2	4.50	179.00	24	0.935	72.77
25	71.7	111.1	7.2	111.27	64.5	14.49	179.00	25	0.908	110.94
26	130.2	173.4	60.2	111.52	90.0	28.21	179.14	26	0.898	142.00
27	191.7	234.0	101.7	112.38	90.0	28.21	178.74	27	0.899	141.64
28	102.6	237.8	22.6	111.89	90.0	28.21	179.00	28	0.899	141.83
29	99.8	179.4	9.8	111.64	90.0	28.21	179.17	29	0.898	141.94
30	73.9	136.3	7.2	111.41	66.7	14.44	179.00	30	0.911	117.23
31	28.8	144.9	8.8	111.47	50.0	23.21	179.01	31	0.898	142.00
121.90										

Date	Discharge Down (cm)	Discharge P.H. (cm)	RNG or Tail Spillage water level in (cm)	Plant Q (m³/s)	Loss	Raw level	Effect Head h (m)	Efficiency Unit a/c	Output MW	Month y Ave MW
Apr. 1	112.8	182.5	22.8	111.71	90.00	28.21	179.28	1	0.898	141.94
2	91.0	548.3	325.0	112.03	90.00	28.21	179.65	2	0.899	141.43
3	323.9	285.3	237.9	113.11	90.00	28.21	178.64	3	0.899	141.42
4	304.7	398.1	114.7	113.45	90.00	28.21	178.39	4	0.899	141.53
5	304.7	517.1	114.7	113.35	90.00	28.21	178.59	5	0.899	141.72
6	240.8	345.3	130.8	112.54	90.00	28.21	179.45	6	0.899	141.64
7	289.1	337.4	129.1	112.44	90.00	28.21	179.42	7	0.899	141.69
8	175.8	277.5	63.8	112.16	90.00	28.21	179.31	8	0.898	141.79
9	149.5	228.1	39.3	111.94	90.00	28.21	179.27	9	0.898	141.84
10	129.1	197.4	26.1	111.78	90.00	28.21	179.11	10	0.898	141.91
11	115.5	175.4	23.5	111.64	90.00	28.21	179.10	11	0.898	141.99
12	120.1	206.5	30.1	111.83	90.00	28.21	179.12	12	0.898	141.89
13	113.8	182.3	23.8	111.71	90.00	28.21	179.09	13	0.899	141.94
14	78.4	144.9	7.2	111.47	71.30	17.66	179.00	14	0.912	120.77
15	100.7	142.0	10.7	111.43	69.00	20.31	179.02	15	0.898	142.00
16	74.2	139.1	7.2	111.43	67.00	15.83	179.00	16	0.916	120.69
17	71.7	116.8	7.2	111.29	64.50	14.09	179.00	17	0.908	110.91
18	67.6	108.6	7.2	111.24	62.40	12.71	178.90	18	0.904	105.31
19	64.4	106.1	7.2	111.22	61.30	11.04	178.90	19	0.903	104.43
20	49.3	103.6	7.2	111.20	62.10	13.43	178.90	20	0.904	107.73
21	32.8	84.7	7.2	111.11	45.0	7.34	179.00	20.65	0.845	77.18
22	51.0	94.3	7.2	111.16	44.80	6.99	179.00	20.85	0.842	76.02
23	35.0	83.9	7.2	111.07	44.80	6.99	179.00	20.94	0.842	76.05
24	30.4	81.6	7.2	111.04	43.20	6.50	179.00	20.44	0.856	73.97
25	32.0	79.4	7.2	111.04	44.80	6.99	179.00	20.97	0.842	76.07
26	48.8	77.2	7.2	111.03	41.80	6.05	179.00	20.94	0.849	69.87
27	43.6	77.2	7.2	111.03	38.40	5.14	179.00	20.84	0.850	68.97
28	44.8	73.0	7.2	111.01	37.80	4.92	179.00	20.76	1.006	67.79
29	35.2	83.9	7.2	111.07	48.00	9.01	179.00	19.90	0.874	82.17
30	72.6	130.6	7.2	111.50	64.40	14.90	179.00	19.60	0.909	112.30
114.27										
May 1	138.3	188.4	64.5	111.72	90.00	28.21	179.23	2	0.898	142.00
2	140.5	211.7	70.3	111.89	90.00	28.21	179.26	17.16	0.898	141.93
3	179.0	213.3	89.0	111.94	90.00	28.21	179.31	17.15	0.898	141.93
4	489.4	676.5	379.4	112.27	90.00	28.21	179.94	17.47	0.899	141.49
5	673.3	1151.1	540.3	119.89	90.00	28.21	179.25	17.84	0.899	141.29
6	716.3	1264.0	626.3	114.10	90.00	28.21	179.33	17.84	0.899	141.22
7	622.6	913.3	526.3	113.67	90.00	28.21	179.26	17.83	0.899	141.41
8	544.7	769.4	426.7	113.32	90.00	28.21	179.28	17.53	0.899	141.53
9	497.4	583.5	404.7	113.11	90.00	28.21	179.58	17.68	0.899	141.63
10	413.1	491.7	323.1	112.91	90.00	28.21	179.85	17.73	0.899	141.66
11	301.3	343.5	211.1	112.54	90.00	28.21	179.62	17.87	0.899	141.75
12	228.3	259.9	136.2	112.24	90.00	28.21	179.43	17.96	0.898	141.81
13	204.7	267.7	114.7	112.12	90.00	28.21	179.39	17.96	0.898	141.87
14	135.0	206.5	45.0	111.83	90.00	28.21	179.17	17.14	0.898	141.82
15	115.5	175.4	23.5	111.64	90.00	28.21	179.10	17.23	0.898	141.99
16	111.1	162.0	21.1	111.37	90.00	28.21	179.08	17.30	0.898	142.00
17	107.3	160.6	17.5	111.30	90.00	28.21	179.04	17.35	0.898	142.00
18	103.2	142.0	13.2	111.45	90.00	28.21	179.04	17.38	0.898	142.00
19	72.6	119.6	7.2	111.31	45.40	14.90	179.00	18.80	0.909	112.32
20	64.4	113.3	7.2	111.35	41.30	13.43	179.00	18.74	0.903	105.43
21	48.3	110.3	7.2	111.45	62.10	15.83	179.00	19.14	0.904	107.60
22	72.6	111.7	7.2	111.23	45.40	14.90	179.00	19.85	0.920	112.37
23	71.7	106.1	7.2	111.22	44.50	14.49	179.00	19.29	0.908	110.97
24	73.3	103.4	7.2	111.20	46.10	15.22	179.00	19.28	0.910	113.44
25	72.6	108.6	7.2	111.24	45.10	14.90	179.00	19.87	0.909	112.37
26	69.3	108.1	7.2	111.22	42.10	13.43	179.00	19.43	0.906	107.12
27	64.2	101.1	7.2	111.19	37.00	11.32	179.00	19.60	0.908	96.53
28	60.1	91.2	7.2	111.12	52.90	7.5	179.00	19.63	0.948	91.23
29	56.0	84.7	7.2	111.1	48.80	8.29	179.00	19.40	0.879	83.66
30	56.8	81.6	7.2	111.05	49.0	8.57	179.00	19.37	0.875	83.19
31	54.4	73.0	7.2	111.07	42.90	7.76	179.00	20.23	0.871	80.88
124.90										
Jun 1	60.1	83.9	7.2	111.07	52.90	7.75	179.00	19.16	0.948	91.28
2	40.0	75.0	7.2	111.01	32.80	7.75	179.00	20.24	1.011	92.84
3	72.6	81.6	7.2	111.04	65.40	14.90	179.00	19.05	0.902	112.48
4	58.3	81.6	7.2	111.04	51.30	9.17	179.00	19.78	0.844	84.25
5	48.8	77.2	7.2	111.03	41.80	6.03	179.00	20.94	0.849	69.87
6	49.6	70.6	7.2	110.98	42.40	6.26	179.00	20.75	0.832	71.44
7	44.8	70.6	7.2	110.98	37.40	4.92	179.00	20.99	1.004	67.80
8	54.4	81.6	7.2	111.06	47.20	7.78	179.00	20.18	0.871	80.66
9	48.8	81.6	7.2	111.06	41.80	6.03	179.00	20.91	0.849	69.85
10	37.0	75.0	7.2	111.01	29.80	3.09	179.00	20.49	1.007	54.25
11	38.5	68.4	7.2	110.97	31.30	3.41	179.00	20.42	1.010	57.11
12	31.2	77.2	7.2	111.03	44.40	6.74	179.00	20.13	0.839	74.93
13	41.6	68.4	7.2	111.03	34.40	4.13	179.00	20.91	0.917	62.65
14	40.0	61.9	7.2	110.95	32.80	3.09	179.00	20.30	0.904	59.85
15	40.0	61.9	7.2	110.93	32.80	3.25	179.00	20.37	1.011	59.46
16	40.0	61.9	7.2	110.93	33.40	3.93	179.00	20.14	1.012	61.26
17	44.0	64.0	7.2	110.94	34.40	4.72	179.00	20.34	1.008	64.58
18	41.6	64.0	7.2	110.94	34.40	4.12	179.00	20.94	1.011	62.66
19	38.5	60.0	7.2	110.91	31.30	3.41	179.00	20.46	1.010	57.13
20	37.8	58.1	7.2	110.90	30.40	3.26	179.00	20.84	0.909	53.81
21	33.4	58.1	7.2	110.80	24.20	2.39	179.00	20.71	1.003	47.4
22	43.6	52.4	7.2	110.84	24.20	5.14	179.00	20.00	1.003	69.01
23	39.3	58.1	7.2	110.90	22.10	3.99	179.00	20.51	1.011	58.80
24	29.9	58.1	7.2	110.90	22.70	1.79	179.00	20.63	1.048	39.81
25	37.8	79.4	7.2	111.04	30.40	3.26	179.00	20.49	0.909	53.77
26	37.8	71.9	7.2	111.31	44.70	14.90	179.00	19.23	0.911	117.30
27	43.3	84.7	7.2	111.11	54.00	4.51	179.00	20.18	0.844	65.94
28	37.8	70.6	7.2	110.98	30.40	3.26	179.00	20.73	0.909	53.79
29	30.6	64.4	7.2	110.97	23.40	1.91	179.00	20.61	1.005	41.9
30	32.0	66.2	7.2	110.93	21.80	2.14	179.00	20.90	1.044	44.26
65.9										

POWER GENERATION SIMULATION

Year: 1989

Dam Aish B
F.S.L. - 319.00 m

Road Head

179.30 m
Max. Flood Discharge
80.00 cum

Installed Capacity

142.0 MW

Date	Discharge Cum (cum)	Discharge P.H. (cum)	R.H. or Tail Spillage w/w level m (cum)	Plant Q level m (cum)	Raw level level m	Effect Head h	Efficiency Unit sec	Output MW	Month
Jul 1	91.3	75.0	72 111.01	64.0	24.97	319.00	183.41	2 0.905	124.64
2	40.8	78.4	72 111.04	33.4	3.85	319.00	204.02	1 0.912	61.24
3	70.9	114.1	72 111.27	63.7	14.13	319.00	193.60	2 0.907	109.47
4	70.0	134.3	72 111.34	63.8	13.74	319.00	199.73	2 0.906	108.07
5	54.8	114.1	72 111.27	49.6	8.37	319.00	195.14	2 0.878	83.04
6	48.8	96.6	72 111.17	41.0	6.03	319.00	201.80	2 0.848	69.80
7	43.2	84.3	72 111.09	34.0	4.31	319.00	209.40	1 0.910	63.27
8	40.8	75.0	72 111.01	33.4	3.93	319.00	204.02	1 0.913	61.25
9	40.8	72.0	72 111.00	33.6	3.93	319.00	204.07	1 0.912	61.28
10	33.7	68.4	72 110.97	28.5	3.83	319.00	205.20	1 0.903	51.79
11	37.0	64.2	72 110.95	28.8	3.69	319.00	204.95	1 0.907	54.37
12	33.7	61.9	72 110.93	28.3	3.83	319.00	205.25	1 0.903	51.79
13	34.9	61.9	72 110.95	27.7	2.87	319.00	202.40	1 0.900	50.16
14	34.2	60.0	72 110.91	27.0	2.54	319.00	202.55	1 0.894	48.76
15	28.2	54.2	72 110.89	23.0	1.60	319.00	204.43	1 0.844	36.44
16	32.0	54.3	72 110.87	24.8	2.14	319.00	205.99	1 0.844	44.28
17	30.6	54.3	72 110.87	23.4	1.91	319.00	206.22	1 0.875	41.37
18	30.6	30.5	72 110.83	23.4	1.91	319.00	206.25	1 0.873	41.38
19	32.0	30.5	72 110.83	24.8	2.14	319.00	206.01	1 0.844	44.28
20	30.6	30.5	72 110.83	23.4	1.91	319.00	206.25	1 0.873	41.38
21	37.1	48.6	72 110.83	18.9	1.34	319.00	204.79	1 0.844	34.06
22	34.6	30.5	72 110.83	19.3	1.30	319.00	205.84	1 0.838	32.90
23	28.9	48.6	72 110.83	12.7	1.79	319.00	204.37	1 0.870	39.82
24	28.2	30.5	72 110.83	23.0	1.60	319.00	206.47	1 0.844	34.43
25	32.7	48.6	72 110.83	15.5	2.24	319.00	205.90	1 0.849	45.73
26	42.6	40.0	72 110.81	14.4	3.14	319.00	202.93	1 0.803	46.00
27	51.2	167.7	72 111.48	64.0	24.97	319.00	182.94	2 0.905	124.33
28	235.0	241.2	165.0 112.49	90.0	24.21	319.46	178.80	2 0.899	141.71
29	206.8	241.2	116.8 112.43	90.0	24.21	319.39	178.73	2 0.899	141.64
30	143.6	293.0	55.6 112.23	90.0	24.21	319.21	179.73	2 0.899	141.67
31	142.8	296.1	53.4 112.25	90.0	24.21	319.20	178.44	2 0.899	141.48

Aug 1	122.8	273.3	32.8 112.09	90.0	24.21	319.13	178.83	2 0.899	141.73
2	64.7	180.5	72 111.71	79.5	22.01	319.00	183.38	2 0.908	131.24
3	61.9	133.4	72 111.52	76.7	20.49	319.00	184.99	2 0.911	128.00
4	62.7	125.1	72 111.54	58.7	10.73	319.00	186.93	2 0.894	91.80
5	68.3	116.8	72 111.29	42.1	13.43	319.00	184.23	2 0.906	107.06
6	63.3	119.6	72 111.31	34.3	11.04	319.00	186.43	2 0.896	97.23
7	54.4	101.1	72 111.19	47.2	7.74	319.00	202.03	2 0.871	80.80
8	32.8	96.7	72 111.11	43.4	7.24	319.00	202.65	2 0.843	77.38
9	30.4	64.4	72 110.97	43.2	4.50	319.00	201.53	2 0.856	73.01
10	47.2	79.4	72 111.04	40.0	5.57	319.00	202.58	2 0.841	76.73
11	44.4	79.4	72 111.04	39.2	5.35	319.00	202.60	1 0.901	70.11
12	43.2	75.0	72 111.01	34.0	4.31	319.00	202.47	1 0.890	63.29
13	39.3	70.6	72 110.96	31.1	3.99	319.00	204.43	1 0.911	58.96
14	24.3	64.4	72 110.97	31.3	3.41	319.00	204.52	1 0.930	37.11
15	34.3	64.0	72 110.94	31.3	3.41	319.00	204.43	1 0.910	37.13
16	37.8	64.0	72 110.94	30.6	3.34	319.00	204.80	1 0.909	53.80
17	37.0	61.9	72 110.93	29.8	3.04	319.00	204.94	1 0.907	54.28
18	33.4	60.0	72 110.91	28.3	2.99	319.00	205.70	1 0.893	47.44
19	28.2	54.3	72 110.87	23.0	1.60	319.00	204.44	1 0.844	34.43
20	28.2	54.3	72 110.86	22.0	1.69	319.00	205.43	1 0.844	34.44
21	40.0	48.4	72 110.97	32.8	3.73	319.00	204.28	1 0.911	59.83
22	43.2	64.2	72 110.95	34.0	4.31	319.00	205.53	1 0.910	63.31
23	114.4	133.4	24.6 111.57	90.0	24.21	319.09	179.16	2 0.894	142.00
24	84.3	64.2	72 110.93	77.6	20.97	319.00	187.07	2 0.910	129.47
25	130.9	139.1	70.9 111.43	90.0	24.21	319.12	179.48	2 0.898	142.00
26	175.8	211.3	81.8 111.96	90.0	24.21	319.30	179.13	2 0.896	141.92
27	136.5	211.8	64.1 111.91	90.0	24.21	319.23	179.13	2 0.896	141.92
28	42.4	303.4	72 111.79	31.2	4.32	319.00	202.89	1 0.911	63.75
29	103.8	162.0	118 111.37	90.0	24.21	319.04	179.24	2 0.896	142.00
30	83.5	133.4	72 111.40	78.3	21.35	319.00	184.25	2 0.890	130.03
31	78.9	132.4	72 111.31	69.4	16.77	319.00	180.82	2 0.911	118.32

Sep 1	120.1	144.9	30.1 111.47	90.0	24.21	319.12	179.44	2 0.896	142.00
2	101.5	133.4	11.5 111.52	90.0	24.21	319.03	179.30	2 0.898	142.00
3	83.9	125.1	72 111.34	76.7	20.49	319.00	187.17	2 0.911	128.11
4	71.7	106.1	72 111.23	64.5	14.49	319.00	193.29	2 0.908	109.97
5	64.0	96.6	72 111.17	58.8	12.04	319.00	195.78	2 0.901	101.44
6	61.8	91.2	72 111.12	54.6	10.96	319.00	197.49	2 0.893	94.32
7	191.7	108.4	101.7 111.72	90.0	24.21	319.33	179.42	2 0.896	142.00
8	130.5	200.4	40.1 111.79	90.0	24.21	319.23	179.23	2 0.896	141.94
9	234.9	345.9	204.9 112.54	90.0	24.21	319.60	178.83	2 0.899	141.74
10	303.6	430.8	213.4 112.75	90.0	24.21	319.62	178.46	2 0.899	141.62
11	308.0	318.6	118.0 112.34	90.0	24.21	319.36	178.83	2 0.899	141.74
12	297.0	612.4	307.0 113.49	90.0	24.21	319.81	178.11	2 0.899	141.24
13	461.4	1772.4	371.4 114.34	90.0	24.21	320.26	177.81	2 0.900	141.07
14	740.5	1509.4	670.5 114.16	90.0	24.21	320.41	178.05	2 0.899	141.22
15	677.8	940.5	587.8 113.70	90.0	24.21	320.29	178.74	2 0.899	141.43
16	603.1	748.1	505.1 113.59	90.0	24.21	320.17	178.57	2 0.899	141.43
17	494.4	573.8	408.4 113.12	90.0	24.21	319.99	178.94	2 0.899	141.62
18	434.8	507.0	344.8 112.94	90.0	24.21	319.84	178.73	2 0.899	141.64
19	395.6	449.8	303.6 112.80	90.0	24.21	319.81	178.80	2 0.899	141.71
20	359.2	347.2	248.2 112.61	90.0	24.21	319.74	178.91	2 0.898	141.78
21	233.7	310.2	163.7 112.33	90.0	24.21	319.51	178.97	2 0.898	141.82
22	184.3	244.3	94.3 112.02	90.0	24.21	319.33	179.10	2 0.898	141.90
23	131.2	191.4	41.2 111.74	90.0	24.21	319.14	179.21	2 0.898	141.97
24	106.4	128.7	74.6 111.80	90.0	24.21	319.28	179.18	2 0.898	141.93
25	232.8	334.8	162.8 112.50	90.0	24.21	319.44	178.73	2 0.899	141.67
26	131.1	204.3	91.1 112.27	90.0	24.21	319.32	178.84	2 0.899	141.73
27	134.8	231.3	46.8 111.84	90.0	24.21	319.18	179.01	2 0.898	141.84
28	130.1	197.4	30.1 111.78	90.0	24.21	319.12	179.13	2 0.898	141.92
29	132.8	140.5	33.8 111.71	90.0	24.21	319.13	179.21	2 0.898	141.97
30	119.1	184.4	29.1 111.72	90.0	24.21	319.11	179.18	2 0.898	141.95

Date	Discharge Cum (cum)	Discharge P.H. (cum)	R.H. or Tail Spillage w/w level m (cum)	Plant Q level m (cum)	Raw level level m	Effect Head h	Efficiency Unit sec	Output MW	Month
Oct 1	104.9	167.7	14.9 111.60	90.0	24.21	319.03	179.23	2 0.895	141.94
2	98.1	150.5	8.1 111.30	90.0	24.21	319.01	179.29	2 0.898	142.00
3	93.0	142.0	7.2 111.45	61.80	23.44	319.00	181.91	2 0.903	138.17
4	180.4	209.7	96.6 111.64	90.0	24.21	319.34	179.39	2 0.898	142.00
5	161.3	212.6	71.9 111.84	90.0	24.21	319.26	179.19	2 0.898	141.96
6	124.5	176.6	34.5 111.64	90.0	24.21	319.14	179.27	2 0.898	142.00
7	104.9	150.6	14.9 111.30	90.0	24.21	319.03	179.23	2 0.895	141.94
8	94.4	134.3	7.2 111.41	90.0	24.21	319.00	179.98	2 0.899	141.97
9	90.4	127.8	7.2 111.34	85.20	23.11	319.00	183.53	2 0.905	135.57
10	85.1	122.5	7.2 111.33	78.50	21.46	319.00	184.31	2 0.910	130.31
11	94.4	147.7	7.2 111.45	90.0	24.21	319.00	179.80	2 0.899	141.93
12	130.9	212.4	30.9 111.84	90.0	24.21	319.12	179.05	2 0.898	141.87
13	121.9	234.9	31.9 111.82	90.0	24.21	319.12	178.99	2 0.898	141.83
14	99.9	182.5	9.8 111.69	90.0	24.21	319.02	179.12	2 0.898	141.91
15	83.9	150.6	7.2 111.30	74.70	20.49	319			

POWER GENERATION SIMULATION

Year: 1990
 Dam Aab 8
 P.A.L. = 319.00 m
 Road Head
 179.30 m
 Installed Capacity : 1430 MW
 Max. Plant Discharge : 90.00 cum

Date	Discharge Dam (cum)	Discharge P.H. (cum)	RMF or Tail Springs level m	Plant Q (cum)	Loss	Raw level	Effect Head h	Unit no.	Efficiency %	Output MW	Month P.A.L. m
Jan 1	189.4	204.3	78.4	111.83	90.0	28.21	179.29	2	0.998	141.89	
2	952.9	998.1	502.9	112.43	90.0	28.21	179.80	2	0.998	141.80	
3	447.4	577.2	377.4	113.09	90.0	28.21	179.80	2	0.998	141.59	
4	430.4	503.2	330.4	113.93	90.0	28.21	179.71	2	0.999	141.63	
5	372.9	472.7	272.9	112.54	90.0	28.21	178.50	2	0.998	141.77	
6	326.2	405.3	196.2	112.50	90.0	28.21	178.94	2	0.998	141.80	
7	195.3	237.8	43.5	111.99	90.0	28.21	179.04	2	0.998	141.84	
8	148.5	244.3	94.5	112.02	90.0	28.21	178.32	2	0.998	141.83	
9	179.0	276.7	88.0	112.18	90.0	28.21	178.31	2	0.998	141.79	
10	239.7	344.3	107.7	112.44	90.0	28.21	178.32	2	0.999	141.74	
11	308.9	401.7	219.9	112.44	90.0	28.21	178.43	2	0.999	141.68	
12	360.7	463.6	476.7	113.73	90.0	28.21	178.12	2	0.999	141.31	
13	376.8	433.9	486.6	113.53	90.0	28.21	178.11	2	0.999	141.43	
14	434.9	404.2	544.9	113.13	90.0	28.21	178.54	2	0.999	141.54	
15	452.0	714.1	342.0	113.34	90.0	28.21	178.37	2	0.999	141.43	
16	426.4	614.4	384.4	113.17	90.0	28.21	178.37	2	0.999	141.51	
17	402.4	705.5	315.4	113.02	90.0	28.21	178.30	2	0.999	141.39	
18	378.0	548.3	288.0	113.03	90.0	28.21	178.33	2	0.999	141.33	
19	312.3	945.1	422.3	113.71	90.0	28.21	178.02	2	0.999	141.34	
20	301.7	895.1	411.7	113.30	90.0	28.21	178.00	2	0.999	141.31	
21	479.3	743.8	509.3	113.34	90.0	28.21	178.94	2	0.999	141.43	
22	494.4	885.3	404.4	113.40	90.0	28.21	178.99	2	0.999	141.31	
23	547.2	1074.0	472.2	113.64	90.0	28.21	178.02	2	0.999	141.31	
24	518.3	784.7	436.3	113.43	90.0	28.21	178.03	2	0.999	141.43	
25	420.6	997.9	330.6	113.13	90.0	28.21	178.54	2	0.999	141.52	
26	388.8	923.3	298.8	112.94	90.0	28.21	178.80	2	0.999	141.38	
27	327.9	434.8	237.9	112.76	90.0	28.21	178.70	2	0.999	141.63	
28	137.4	272.7	197.4	112.54	90.0	28.21	178.39	2	0.999	141.71	
29	246.2	324.0	194.2	112.38	90.0	28.21	178.58	2	0.998	141.83	
30	177.4	243.7	97.4	112.12	90.0	28.21	178.01	2	0.998	141.34	
31	172.1	204.9	42.1	111.83	90.0	28.21	179.12	2	0.998	141.91	141.91
Feb 1	124.7	197.4	34.7	111.78	90.0	28.21	179.13	2	0.998	141.93	
2	123.3	228.1	33.3	111.94	90.0	28.21	179.14	2	0.998	141.83	
3	190.2	185.5	20.2	111.71	90.0	28.21	179.07	2	0.998	141.93	
4	85.7	154.3	7.2	111.54	90.0	28.21	179.00	2	0.998	141.83	
5	85.7	102.4	7.2	111.20	78.5	21.46	180.33	2	0.910	130.39	
6	78.4	94.4	7.2	111.17	71.2	17.46	180.50	2	0.912	130.94	
7	74.8	114.8	7.2	111.29	64.8	14.87	180.84	2	0.911	131.62	
8	64.4	108.4	7.2	111.34	61.2	13.04	180.00	2	0.905	129.64	
9	47.4	101.1	7.2	111.19	44.4	13.71	180.00	2	0.903	130.34	
10	150.5	184.4	60.5	111.72	90.0	28.21	179.23	2	0.998	142.00	
11	180.6	228.1	101.6	111.94	90.0	28.21	179.20	2	0.998	141.94	
12	280.2	308.9	180.2	112.31	90.0	28.21	179.05	2	0.998	141.84	
13	301.7	373.1	211.7	112.04	90.0	28.21	178.71	2	0.999	141.63	
14	398.7	676.3	508.7	113.37	90.0	28.21	178.49	2	0.999	141.83	
15	371.9	501.4	441.9	113.10	90.0	28.21	178.05	2	0.999	141.67	
16	448.0	302.2	339.0	112.93	90.0	28.21	178.74	2	0.999	141.48	
17	379.5	414.2	243.4	112.70	90.0	28.21	178.77	2	0.999	141.69	
18	348.0	341.2	199.0	112.43	90.0	28.21	178.64	2	0.999	141.73	
19	194.0	272.5	104.0	112.14	90.0	28.21	178.94	2	0.998	141.33	
20	132.1	194.4	42.1	111.74	90.0	28.21	179.19	2	0.998	141.94	
21	114.4	162.0	24.4	111.57	90.0	28.21	179.09	2	0.998	142.00	
22	149.3	204.5	95.3	111.83	90.0	28.21	179.22	2	0.998	141.95	
23	194.0	283.5	109.0	112.10	90.0	28.21	179.05	2	0.998	141.87	
24	201.4	234.0	114.0	112.07	90.0	28.21	179.10	2	0.998	141.90	
25	176.9	244.3	94.9	112.02	90.0	28.21	179.08	2	0.998	141.84	
26	200.8	247.5	110.2	112.04	90.0	28.21	179.13	2	0.998	141.91	
27	170.0	234.9	99.0	111.97	90.0	28.21	179.13	2	0.998	141.92	
28	131.6	202.4	41.4	111.79	90.0	28.21	179.23	2	0.998	141.98	
Mar 1	131.2	170.7	41.2	111.82	90.0	28.21	179.14	2	0.998	142.00	
2	132.0	177.7	22.0	111.49	90.0	28.21	179.04	2	0.998	142.00	
3	94.4	132.4	7.2	111.40	85.2	27.71	180.00	2	0.959	141.38	
4	90.4	144.9	7.2	111.47	81.2	24.11	180.00	2	0.906	133.31	
5	184.3	215.7	94.3	111.88	90.0	28.21	179.33	2	0.998	141.99	
6	240.8	284.9	150.8	112.13	90.0	28.21	179.14	2	0.998	141.92	
7	203.8	247.3	113.8	112.04	90.0	28.21	179.39	2	0.998	141.92	
8	174.7	234.4	94.7	111.97	90.0	28.21	179.30	2	0.998	141.91	
9	177.8	197.4	47.8	111.78	90.0	28.21	179.18	2	0.998	141.94	
10	123.7	164.9	33.7	111.39	90.0	28.21	179.13	2	0.998	142.00	
11	104.6	142.0	14.4	111.43	90.0	28.21	179.05	2	0.998	142.00	
12	90.4	127.9	7.2	111.34	83.2	24.11	180.00	2	0.906	133.37	
13	92.1	119.4	7.2	111.31	84.9	22.90	180.00	2	0.904	137.36	
14	130.2	147.1	26.2	111.48	90.0	28.21	180.07	2	0.998	142.00	
15	194.0	272.2	106.0	112.61	90.0	28.21	179.34	2	0.999	141.54	
16	187.6	283.1	77.6	112.31	90.0	28.21	179.28	2	0.999	141.73	
17	132.4	203.0	122.4	112.23	90.0	28.21	179.41	2	0.998	141.90	
18	182.3	254.0	93.3	112.07	90.0	28.21	179.33	2	0.998	141.84	
19	146.6	204.3	54.6	111.63	90.0	28.21	179.22	2	0.998	141.95	
20	146.6	202.4	54.6	111.79	90.0	28.21	179.22	2	0.998	141.97	
21	124.5	170.7	24.5	111.82	90.0	28.21	179.14	2	0.998	142.00	
22	108.8	130.4	13.8	111.36	90.0	28.21	179.05	2	0.998	142.00	
23	84.6	144.9	7.2	111.47	81.4	23.08	180.00	2	0.908	133.56	
24	144.5	176.4	74.5	111.46	90.0	28.21	179.27	2	0.998	142.00	
25	136.5	186.3	68.3	111.83	90.0	28.21	179.22	2	0.998	141.97	
26	178.8	182.1	182.1	112.49	90.0	28.21	179.29	2	0.998	142.00	
27	114.3	136.3	24.3	111.54	90.0	28.21	179.10	2	0.998	142.00	
28	120.4	144.9	39.4	111.39	90.0	28.21	179.13	2	0.998	142.00	
29	112.0	130.4	22.0	111.30	90.0	28.21	179.07	2	0.998	142.00	
30	115.9	203.3	43.9	111.81	90.0	28.21	179.14	2	0.998	141.93	
31	182.3	244.2	93.2	112.11	90.0	28.21	179.22	2	0.998	141.83	141.83

Date	Discharge Dam (cum)	Discharge P.H. (cum)	RMF or Tail Springs level m	Plant Q (cum)	Loss	Raw level	Effect Head h	Unit no.	Efficiency %	Output MW	Month P.A.L. m
Apr 1	217.9	296.3	127.9	112.27	90.0	28.21	179.42	2	0.998	141.80	
2	174.7	244.9	84.7	112.13	90.0	28.21	179.30	2	0.998	141.81	
3	149.6	279.0	78.4	112.33	90.0	28.21	179.29	2	0.998	141.72	
4	165.3	237.3	73.5	112.09	90.0	28.21	179.27	2	0.998	141.83	
5	159.9	246.3	43.9	111.83	90.0	28.21	179.18	2	0.998	141.92	
6	202.5	234.0	119.4	112.07	90.0	28.21	179.34	2	0.998	141.90	
7	231.4	289.7	141.4	112.34	90.0	28.21	179.44	2	0.998	141.84	
8	265.4	303.3	179.4	112.30	90.0	28.21	179.43	2	0.998	141.83	
9	343.3	364.5	235.5	112.64	90.0	28.21	179.71	2	0.999	141.74	
10	299.9	398.3	209.9	112.31	90.0	28.21	179.41	2	0.999	141.74	
11	232.7	303.3	163.7	112.30	90.0	28.21	179.51	2	0.999	141.84	
12	186.5	244.3	96.5	112.02	90.0	28.21	179.34	2	0.999	141.80	
13	144.5	191.4	54.6	111.74	90.0	28.21	179.23	2	0.998	142.00	
14	133.1	185.5	41.1	111.71	90.0	28.21	179.17	2	0.998	141.99	
15	114.4	142.0	24.6	111.37	90.0	28.21	178.99	2	0.998	142.00	
16	1										

POWER GENERATION SIMULATION

Year: 1990 Dam Axis M Rated Head : 179.50 m Installed Capacity : 142.0 MW
 F.S.L. = 319.00 m Mca. Flow Discharge : 90.00 m³/s

Date	Discharge Dm (cms)	Discharge P/N (cms)	R/H of Tail Spillage water level m (cms)	Plant Q level m (cms)	Raw level (cms)	Effect Head h (cms)	Unit sec	Efficiency %	Output MW	Month p.A.M. MW		
Jul	1	95.4	150.4	7.3	111.50	99.2	27.71	319.00	179.70	2	0.899	141.32
	2	93.0	142.0	7.3	111.45	93.8	25.44	319.00	181.91	2	0.902	136.17
	3	90.4	135.3	7.3	111.41	83.2	24.11	319.00	183.44	2	0.906	131.54
	4	100.7	144.9	10.7	111.47	90.5	28.21	319.02	179.34	2	0.894	142.00
	5	120.3	224.9	80.2	111.83	90.0	28.21	319.03	179.09	2	0.898	141.89
	6	140.7	228.1	90.7	111.94	90.0	28.21	319.19	179.04	2	0.898	141.84
	7	141.6	218.7	81.6	111.89	90.0	28.21	319.30	179.10	2	0.898	141.89
	8	126.3	199.4	36.5	111.76	90.0	28.21	319.14	179.17	2	0.898	141.84
	9	130.3	179.4	20.2	111.64	90.0	28.21	319.07	179.22	2	0.898	141.90
	10	104.6	144.9	14.6	111.59	90.0	28.21	319.05	179.24	2	0.898	142.00
	11	94.7	130.4	7.3	111.50	87.8	24.64	319.00	180.83	2	0.901	136.77
	12	96.6	136.3	7.3	111.41	61.4	23.08	319.00	184.51	2	0.909	135.59
	13	83.7	130.7	7.2	111.39	78.5	21.46	319.00	184.16	2	0.910	130.23
	14	81.1	123.5	7.2	111.39	73.9	19.03	319.00	188.43	2	0.911	124.53
	15	78.4	119.4	7.2	111.31	71.3	17.66	319.00	190.84	2	0.912	120.87
	16	86.6	127.9	7.2	111.34	81.4	23.08	319.00	184.54	2	0.904	123.63
	17	136.5	179.4	36.5	111.64	90.0	28.21	319.14	179.29	2	0.898	142.00
	18	116.2	152.6	22.6	111.49	90.0	28.21	319.43	178.75	2	0.899	141.87
	19	99.9	119.9	7.3	111.33	90.0	28.21	319.99	178.41	2	0.899	141.48
	20	598.7	946.5	478.7	113.89	90.0	28.21	320.13	178.22	2	0.899	141.33
	21	699.4	154.0	60.4	114.47	90.0	28.21	320.32	177.64	2	0.900	140.94
	22	623.6	1089.9	732.6	113.84	90.0	28.21	320.30	178.13	2	0.899	141.23
	23	590.8	799.8	500.8	113.47	90.0	28.21	320.15	178.47	2	0.899	141.30
	24	534.9	680.6	444.9	113.27	90.0	28.21	320.04	178.37	2	0.899	141.24
	25	470.2	597.9	380.9	113.13	90.0	28.21	319.95	178.41	2	0.899	141.53
	26	335.3	477.4	265.3	112.82	90.0	28.21	319.73	178.70	2	0.899	141.44
	27	307.4	405.3	217.4	112.67	90.0	28.21	319.63	178.75	2	0.899	141.67
	28	346.6	361.8	194.6	112.53	90.0	28.21	319.49	178.74	2	0.899	141.66
	29	301.4	302.3	111.4	112.50	90.0	28.21	319.38	178.67	2	0.899	141.75
	30	175.8	240.7	65.6	112.12	90.0	28.21	319.31	178.94	2	0.899	141.82
	31	128.7	194.1	68.2	112.01	90.0	28.21	319.21	179.04	2	0.898	141.86
Aug	1	147.5	221.8	57.3	111.91	90.0	28.21	319.32	179.10	2	0.898	141.80
	2	155.9	206.3	45.9	111.83	90.0	28.21	319.18	179.14	2	0.898	141.92
	3	192.4	192.4	40.2	111.79	90.0	28.21	319.18	179.17	2	0.898	141.94
	4	120.1	185.5	30.1	111.71	90.0	28.21	319.12	179.20	2	0.898	141.96
	5	138.4	177.8	18.4	111.64	90.0	28.21	319.04	179.21	2	0.898	141.97
	6	98.9	146.9	8.8	111.59	90.0	28.21	319.01	179.31	2	0.898	141.97
	7	106.9	136.3	14.9	111.54	90.0	28.21	319.05	179.30	2	0.898	142.00
	8	97.2	147.7	7.2	111.46	90.0	28.21	319.00	179.31	2	0.898	142.00
	9	92.1	142.0	7.2	111.43	84.9	23.10	319.00	182.45	2	0.904	137.27
	10	90.4	136.3	7.2	111.41	83.2	24.11	319.00	182.48	2	0.904	135.54
	11	84.7	130.7	7.2	111.34	78.5	22.01	319.00	185.41	2	0.900	131.44
	12	82.0	120.1	7.2	111.34	74.8	19.49	319.00	186.17	2	0.911	125.70
	13	78.9	119.4	7.2	111.31	72.1	18.30	319.00	189.39	2	0.912	122.12
	14	78.4	114.8	7.2	111.29	71.2	17.46	319.00	190.05	2	0.912	120.89
	15	77.4	111.3	7.2	111.25	70.4	17.36	319.00	190.48	2	0.911	119.78
	16	86.6	127.9	8.8	111.34	90.0	28.21	319.01	179.44	2	0.898	142.00
	17	136.5	221.8	57.3	111.91	90.0	28.21	319.32	179.10	2	0.898	141.97
	18	120.9	194.4	30.9	111.65	90.0	28.21	319.12	179.15	2	0.898	141.93
	19	197.1	246.9	107.1	112.13	90.0	28.21	319.37	179.02	2	0.898	141.85
	20	301.7	902.5	411.7	115.63	90.0	28.21	320.00	178.16	2	0.898	141.30
	21	445.0	697.2	579.0	115.30	90.0	28.21	319.84	178.42	2	0.899	141.47
	22	513.8	438.4	223.8	112.77	90.0	28.21	319.64	178.64	2	0.899	141.42
	23	215.9	277.4	126.9	112.40	90.0	28.21	319.42	178.81	2	0.899	141.71
	24	188.4	237.3	78.6	112.09	90.0	28.21	319.28	178.99	2	0.899	141.83
	25	151.6	228.1	61.6	111.94	90.0	28.21	319.23	179.06	2	0.899	141.83
	26	189.8	246.9	78.6	112.13	90.0	28.21	319.29	178.94	2	0.898	141.80
	27	344.0	277.4	246.9	112.99	90.0	28.21	319.71	178.31	2	0.899	141.53
	28	437.7	497.2	347.7	113.20	90.0	28.21	319.89	178.37	2	0.899	141.43
	29	370.4	446.1	240.4	112.89	90.0	28.21	319.48	178.58	2	0.899	141.57
	30	340.3	354.8	183.8	112.80	90.0	28.21	319.48	178.77	2	0.899	141.60
	31	190.6	230.7	100.6	112.24	90.0	28.21	319.25	178.90	2	0.898	141.77
Sep	1	167.6	180.5	77.6	112.10	90.0	28.21	319.25	178.97	2	0.898	141.81
	2	199.4	277.3	99.4	112.99	90.0	28.21	319.24	178.94	2	0.898	141.81
	3	160.7	224.8	50.7	111.91	90.0	28.21	319.19	179.06	2	0.898	141.87
	4	111.6	197.4	51.6	111.78	90.0	28.21	319.20	179.21	2	0.898	141.97
	5	140.4	221.8	57.3	111.91	90.0	28.21	319.30	179.10	2	0.898	141.90
	6	141.6	218.7	81.6	111.89	90.0	28.21	319.30	179.10	2	0.898	141.89
	7	177.8	263.7	83.8	112.12	90.0	28.21	319.30	178.97	2	0.898	141.83
	8	333.9	154.8	233.9	112.90	90.0	28.21	319.64	178.05	2	0.899	141.81
	9	442.1	277.4	272.1	112.99	90.0	28.21	319.77	178.73	2	0.899	141.66
	10	279.3	437.4	280.3	112.62	90.0	28.21	319.78	178.73	2	0.899	141.67
	11	230.2	320.8	182.2	112.41	90.0	28.21	319.50	178.84	2	0.899	141.76
	12	224.8	279.9	134.8	112.19	90.0	28.21	319.44	179.04	2	0.898	141.84
	13	409.5	442.1	329.3	112.84	90.0	28.21	319.83	178.78	2	0.899	141.70
	14	379.3	446.0	289.3	112.79	90.0	28.21	319.78	178.78	2	0.899	141.69
	15	300.8	354.8	216.2	112.80	90.0	28.21	319.47	178.92	2	0.899	141.78
	16	202.3	276.7	180.3	112.59	90.0	28.21	319.31	178.99	2	0.899	141.83
	17	177.9	241.3	170.2	112.02	90.0	28.21	319.31	179.02	2	0.899	141.86
	18	158.3	218.7	146.5	111.89	90.0	28.21	319.23	179.15	2	0.898	141.93
	19	143.6	202.4	124.6	111.79	90.0	28.21	319.20	179.20	2	0.898	141.94
	20	125.9	191.4	105.4	111.74	90.0	28.21	319.18	179.23	2	0.898	141.94
	21	142.6	151.3	52.4	111.68	90.0	28.21	319.20	179.22	2	0.898	141.91
	22	216.8	224.0	136.9	112.34	90.0	28.21	319.42	178.83	2	0.899	141.72
	23	280.7	405.3	195.7	112.67	90.0	28.21	319.39	178.71	2	0.899	141.65
	24	228.3	344.5	179.3	112.45	90.0	28.21	319.45	178.74	2	0.899	141.69
	25	180.8	276.7	100.4	112.18	90.0	28.21	319.35	178.94	2	0.898	141.81
	26	134.4	221.3	64.4	111.94	90.0	28.21	319.34	179.07	2	0.898	141.82
	27	135.9	226.5	65.9	111.83	90.0	28.21	319.14	179.16	2	0.898	141.94
	28	127.4	191.4	51.6	111.74	90.0	28.21	319.15	179.16	2	0.898	141.94
	29	133.1	202.4	61.1	111.79	90.0	28.21	319.17	179.14	2	0.898	141.94
	30	184.3	257.3	94.3	112.09	90.0	28.21	319.23	179.01	2	0.898	141.84

141.83

Date	Discharge Dm (cms)	Discharge P/N (cms)	R/H of Tail Spillage water level m (cms)	Plant Q level m (cms)	Raw level (cms)	Effect Head h (cms)	Unit sec	Efficiency %	Output MW	Month p.A.M. MW		
Oct	1	199.2	270.2	158.2	112.13	90.00	28.21	319.37	179.01	2	0.898	141.84
	2	180.6	286.4	109.4	112.32	90.00	28.21	319.55	178.92	2	0.898	141.78
	3	177.9	263.7	87.9	112.12	90.00	28.21	319.31	179.04	2	0.898	141.83
	4	125.2	244.3	63.5	112.02	90.00	28.21	319.34				

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