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APPENDIX – A: JPY to LKR Exchange Rate and Inflation Rate in Sri Lanka

Year	Annual Average Exchange Rates (JPY to LKR)
2003	0.83
2004	0.94
2005	0.91
2006	0.89
2007	0.94
2008	1.05
2009	1.23
2010	1.29
2011	1.39
2012	1.60
2013	1.32
2014	1.24
2015	1.12
2016	1.34
2017	1.36

Year	Annual Average Inflation Rate (%)
1986	8.00
1987	7.70
1988	14.00
1989	11.60
1990	21.50
1991	12.20
1992	11.40
1993	11.70
1994	8.40
1995	7.70
1996	15.90
1997	9.60
1998	9.40
1999	4.70
2000	6.20
2001	14.20
2002	9.60
2003	6.30
2004	9.00
2005	11.00
2006	10.00
2007	15.80
2008	22.60
2009	3.50
2010	6.20
2011	6.70
2012	7.60
2013	6.90
2014	3.30
2015	0.93
2016	3.75

Source: Central Bank of Sri Lanka

APPENDIX – B: Project Cost and Loan Distribution of UKHP on Actual Basis

Year	in JPY			in LKR		
	Total Cost (million JPY)	Loan (million JPY)	Others (million JPY)	Total Cost (million LKR)	Loan (million LKR)	Others (million LKR)
2002	0	0	0	0	0	0
2003	536	453	83	447	378	69
2004	211	178	33	197	166	31
2005	832	703	129	761	643	118
2006	2628	2220	408	2349	1984	365
2007	4181	3531	650	3932	3321	611
2008	6687	5647	1040	7028	5935	1093
2009	5257	4210	1047	6470	5181	1289
2010	5776	5077	700	7447	6546	902
2011	6744	6395	350	9355	8871	486
2012	5607	5323	284	8967	8513	454
2013	1547	1362	185	2049	1804	245
2014	3265	3163	102	4035	3909	126
Total	43271	38262	5011	53040	47251	5789

APPENDIX – C: Caledonia Reservoir Project Cost Conversion from 1986 to 2014

Original project cost (base year 1986) : LKR 7920 million

Average inflation rate from 1986 to 2014: 10.09%

Year	Adjusted Project Cost (LKR million)
1987	8719
1988	9599
1989	10567
1990	11634
1991	12808
1992	14100
1993	15522
1994	17089
1995	18813
1996	20711
1997	22801
1998	25101
1999	27634
2000	30423
2001	33492
2002	36872
2003	40592
2004	44688
2005	49197
2006	54160
2007	59625
2008	65641
2009	72265
2010	79556
2011	87583
2012	96421
2013	106149
2014	116860

APPENDIX – D: Loan Schedule of Talwakele ROR Project

Loan schedule (in million LKR) of Talwakele ROR project at 10.65% interest rate.

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Opening Balance	51834	50106	48378	46651	44923	43195	41467	39739	38012	36284	34556	32828	31100	29373	27645
Interest	5428	5244	5060	4876	4692	4508	4324	4140	3956	3772	3588	3404	3220	3036	2852
Loan Repayment	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728
Closing Balance	50106	48378	46651	44923	43195	41467	39739	38012	36284	34556	32828	31100	29373	27645	25917
Year	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Opening Balance	25917	24189	22461	20734	19006	17278	15550	13822	12095	10367	8639	6911	5183	3456	1728
Interest	2668	2484	2300	2116	1932	1748	1564	1380	1196	1012	828	644	460	276	92
Loan Repayment	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728	1728
Closing Balance	24189	22461	20734	19006	17278	15550	13822	12095	10367	8639	6911	5183	3456	1728	0

APPENDIX – E: Loan Schedule of Caledonia Reservoir Project

Loan schedule (in million LKR) of Caledonia reservoir project at 10.65% interest rate.

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Opening Balance	114092	110289	106486	102683	98880	95077	91274	87471	83668	79865	76062	72259	68455	64652	60849
Interest	11948	11543	11138	10733	10328	9923	9518	9113	8708	8303	7898	7493	7088	6683	6278
Loan Repayment	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803
Closing Balance	110289	106486	102683	98880	95077	91274	87471	83668	79865	76062	72259	68455	64652	60849	57046
Year	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Opening Balance	57046	53243	49440	45637	41834	38031	34228	30425	26622	22818	19015	15212	11409	7606	3803
Interest	5873	5468	5063	4658	4253	3848	3443	3038	2633	2228	1823	1418	1013	608	203
Loan Repayment	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803	3803
Closing Balance	53243	49440	45637	41834	38031	34228	30425	26622	22818	19015	15212	11409	7606	3803	0

APPENDIX – F: Carbon Trading Price Variation in the World

Month	Euro/ tonCO ₂	Month	Euro/ tonCO ₂	Month	Euro/ ton CO ₂	Month	Euro/ ton CO ₂
17-Nov	7.53	14-Sep	6.06	11-Jul	16.25	08-Jan	19.10
17-Oct	7.37	14-Aug	6.73	11-Jun	18.46	7-Dec	22.41
17-Sep	7.07	14-Jul	6.57	11-May	22.27	7-Nov	22.35
17-Aug	5.94	14-Jun	6.25	11-Apr	22.90	7-Oct	22.27
17-Jul	5.23	14-May	5.48	11-Mar	22.63	7-Sep	21.68
17-Jun	5.03	14-Apr	5.90	11-Feb	19.90	7-Aug	19.40
17-May	4.98	14-Mar	5.08	11-Jan	19.03	7-Jul	21.15
17-Apr	4.57	14-Feb	7.86	10-Dec	18.16	7-Jun	0.12
17-Mar	4.69	14-Jan	6.11	10-Nov	19.14	7-Mar	1.26
17-Feb	5.24	13-Dec	5.33	10-Oct	19.15	7-Jan	2.30
17-Jan	5.36	13-Nov	4.89	10-Sep	20.14	6-Dec	6.45
16-Dec	6.57	13-Oct	5.39	10-Aug	19.90	6-Nov	8.10
16-Nov	4.61	13-Sep	5.67	10-Jul	14.13	6-Oct	11.00
16-Oct	5.93	13-Aug	5.08	10-Jun	15.19	6-Sep	12.85
16-Sep	4.99	13-Jul	4.87	10-May	15.15	6-Aug	15.80
16-Aug	4.47	13-Jun	4.74	10-Apr	15.95	6-Jul	16.05
16-Jul	4.43	13-May	4.51	10-Mar	12.82	6-Jun	15.65
16-Jun	4.47	13-Apr	3.54	10-Feb	12.86	6-May	17.05
16-May	6.10	13-Mar	5.46	10-Jan	12.71	6-Apr	13.30
16-Apr	6.18	13-Feb	5.59	09-Dec	12.31	6-Mar	26.95
16-Mar	5.22	13-Jan	3.97	09-Nov	13.14	6-Feb	25.95
16-Feb	5.01	12-Dec	7.69	09-Oct	14.54	6-Jan	26.05
16-Jan	6.07	12-Nov	7.65	09-Sep	13.36	5-Dec	21.10
15-Dec	8.29	12-Oct	9.89	09-Aug	14.89	5-Nov	19.60
15-Nov	8.65	12-Sep	9.71	09-Mar	11.45	5-Oct	21.95
15-Oct	8.71	12-Aug	10.04	09-Feb	9.96	5-Sep	22.65
15-Sep	8.23	12-Jul	8.67	09-Jan	11.57	5-Aug	23.65
15-Aug	8.16	12-Jun	10.38	08-Dec	15.45		
15-Jul	7.96	12-May	8.13	08-Nov	15.52		
15-Jun	7.54	12-Apr	9.77	08-Oct	17.94		
15-May	7.44	12-Mar	9.34	08-Sep	22.35		
15-Apr	7.51	12-Feb	11.87	08-Aug	25.19		
15-Mar	7.05	12-Jan	10.92	08-Jul	22.06		
15-Feb	7.25	11-Dec	9.92	08-Jun	28.77		
15-Jan	7.28	11-Nov	11.38	08-May	26.10		
14-Dec	7.48	11-Oct	13.77	08-Apr	23.88		
14-Nov	7.29	11-Sep	14.42	08-Mar	22.27		
14-Oct	6.59	11-Aug	17.17	08-Feb	21.31		

Source: <https://www.investing.com/commodities/carbon-emissions-historical-data>

APPENDIX – G: Euro to LKR Exchange Rates

Year	Average EURO to LKR Rate
2005	125.10
2006	130.63
2007	151.63
2008	159.32
2009	160.21
2010	150.10
2011	153.86
2012	164.01
2013	171.51
2014	173.47
2015	150.84
2016	161.16
2017	169.46

Source: Central Bank of Sri Lanka

APPENDIX – H: Energy and Cash Outflow of Talawakele ROR Project (costs & benefits are given in million LKR)

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy (GWh)	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00
O&M Cost	69.00	92.00	115.00	138.00	161.00	184.00	207.00	230.00	253.00	276.00	299.00
Finance Cost	0.00	5428.32	5244.31	5060.30	4876.29	4692.28	4508.27	4324.25	4140.24	3956.23	3772.22
Capital Repayments	0.00	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80
CDM Benefit	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18
Total Costs	-536.18	6642.94	6481.93	6320.92	6159.91	5998.90	5837.89	5676.88	5515.86	5354.85	5193.84
Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Energy (GWh)	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00
O&M Cost	322.00	345.00	368.00	391.00	414.00	437.00	460.00	483.00	506.00	529.00	552.00
Finance Cost	3588.21	3404.20	3220.19	3036.18	2852.17	2668.16	2484.15	2300.14	2116.12	1932.11	1748.10
Capital Repayments	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80
CDM Benefit	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18
Total Costs	5032.83	4871.82	4710.81	4549.80	4388.79	4227.78	4066.77	3905.76	3744.75	3583.73	3422.72
Year	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Energy (GWh)	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00
O&M Cost	575.00	598.00	621.00	644.00	667.00	690.00	713.00	736.00	759.00	782.00	805.00
Finance Cost	1564.09	1380.08	1196.07	1012.06	828.05	644.04	460.03	276.02	92.01	0.00	0.00
Capital Repayments	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	1727.80	0.00	0.00
CDM Benefit	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18
Total Costs	3261.71	3100.70	2939.69	2778.68	2617.67	2456.66	2295.65	2134.64	1973.63	176.82	199.82

Year	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Energy (GWh)	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00	409.00
O&M Cost	828.00	851.00	874.00	897.00	920.00	943.00	966.00	989.00	1012.00	1035.00	1058.00
Finance Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital Repayments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CDM Benefits	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18	605.18
Total Costs	222.82	245.82	268.82	291.82	314.82	337.82	360.82	383.82	406.82	429.82	452.82
Year	2056	2057	2058	2059	2060	2061					
Energy (GWh)	409.00	409.00	409.00	409.00	409.00	409.00					
O&M Cost	1081.00	1104.00	1127.00	1150.00	1173.00	1196.00					
Finance Cost	0.00	0.00	0.00	0.00	0.00	0.00					
Capital Repayments	0.00	0.00	0.00	0.00	0.00	0.00					
CDM Benefits	605.18	605.18	605.18	605.18	605.18	605.18					
Total Costs	475.82	498.82	521.82	544.82	567.82	590.82					

APPENDIX – I: Energy and Cash Outflow of Caledonia Reservoir Project (costs & benefits are given in million LKR)

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy (GWh)	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00
O&M Cost	98.44	131.25	164.07	196.88	229.69	262.51	295.32	328.13	360.95	393.76	426.57
Finance Cost	0.00	11948.33	11543.30	11138.28	10733.25	10328.22	9923.19	9518.16	9113.14	8708.11	8303.08
Capital Repayments	0.00	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08
CDM Benefits	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68
Total Costs	-855.24	14928.99	14556.77	14184.56	13812.34	13440.13	13067.91	12695.70	12323.48	11951.27	11579.05
Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Energy (GWh)	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00
O&M Cost	459.39	492.20	525.01	557.83	590.64	623.45	656.27	689.08	721.89	754.71	787.52
Finance Cost	7898.05	7493.02	7087.99	6682.97	6277.94	5872.91	5467.88	5062.85	4657.82	4252.80	3847.77
Capital Repayments	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08
CDM Benefits	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68
Total Costs	11206.84	10834.62	10462.41	10090.19	9717.98	9345.76	8973.55	8601.34	8229.12	7856.91	7484.69
Year	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044
Energy (GWh)	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00
O&M Cost	820.33	853.15	885.96	918.77	951.59	984.40	1017.21	1050.03	1082.84	1115.65	1148.47
Finance Cost	3442.74	3037.71	2632.68	2227.66	1822.63	1417.60	1012.57	607.54	202.51	0.00	0.00
Capital Repayments	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	3803.08	0.00	0.00
CDM Benefits	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68
Total Costs	7112.48	6740.26	6368.05	5995.83	5623.62	5251.40	4879.19	4506.97	4134.76	161.97	194.79

Year	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Energy (GWh)	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00	664.00
O&M Cost	1181.28	1214.09	1246.91	1279.72	1312.53	1345.35	1378.16	1410.97	1443.79	1476.60	1509.41
Finance Cost	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital Repayments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CDM Benefits	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68	953.68
Total Costs	227.60	260.41	293.23	326.04	358.85	391.67	424.48	457.29	490.11	522.92	555.73
Year	2056	2057	2058	2059	2060	2061					
Energy (GWh)	664.00	664.00	664.00	664.00	664.00	664.00					
O&M Cost	1542.23	1575.04	1607.85	1640.67	1673.48	1706.29					
Finance Cost	0.00	0.00	0.00	0.00	0.00	0.00					
Capital Repayments	0.00	0.00	0.00	0.00	0.00	0.00					
CDM Benefits	953.68	953.68	953.68	953.68	953.68	953.68					
Total Costs	588.55	621.36	654.17	686.99	719.80	752.61					

APPENDIX – J: Variable Unit Cost of Thermal Power Plants

June 2017

Variable Unit Cost Based on Station Specification at Based Load Running	
Power Station	Unit Cost (LKR/kWh)
LAKVIJAYA UNIT 01	6.83
LAKVIJAYA UNIT 02	6.85
LAKVIJAYA UNIT 03	7.04
SAPU B1 HF	17.80
SAPU B2 HF	17.80
BARGE	17.86
SAPU A HF	19.42
KCCP – NAPTHA	19.58
KCCP – DIESEL	19.69
WEST COAST	19.91
UTHURU JANANI	19.96
AES	20.21
ACE – MATARA	21.22
ACE – EMBILIPITIYA	21.65
ASIA POWER	21.80
EMERGENCY 60	23.96
KPS(GT7)	32.34
KPS(GTT)	51.17

Source: System Control Centre

**APPENDIX – K: Daily Recorded Maximum Night Peak Operation
of Upper Kotmale Hydropower Plant** (Source: System Control Centre)

Values are given in MW

2014												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	140	150	149	40	146	150	150	150	150	75	152	33
2	100	150	150	40	59	135	150	152	150	75	150	150
3	120	75	98	0	114	150	140	152	150	75	150	150
4	150	150	100	0	150	80	150	152	150	75	150	145
5	150	100	40	60	40	75	150	152	75	75	150	120
6	120	150	80	130	75	65	150	150	150	75	150	150
7	120	150	40	40	100	100	120	150	80	75	150	150
8	150	60	60	0	85	150	150	150	110	75	150	150
9	120	120	150	75	68	152	100	150	120	75	150	150
10	150	120	120	40	150	75	145	150	135	75	150	150
11	140	120	140	120	150	117	150	152	120	150	150	150
12	146	120	75	120	0	152	150	84	135	150	150	150
13	150	120	40	120	40	152	150	150	100	120	150	150
14	150	75	60	75	150	128	150	120	150	150	150	150
15	150	150	150	80	60	150	150	100	75	150	150	150
16	75	150	80	0	100	150	150	150	75	150	150	142
17	120	150	120	40	60	150	140	150	75	115	150	150
18	152	114	110	150	150	150	150	60	75	80	150	150
19	150	75	135	150	148	150	150	150	75	150	150	150
20	150	40	75	150	100	150	150	150	75	150	135	150
21	152	75	118	0	60	150	120	150	75	150	150	150
22	120	100	150	40	40	150	100	150	40	150	120	152
23	150	140	60	96	40	75	110	150	75	150	150	152
24	134	120	75	0	100	150	100	150	75	150	100	150
25	100	85	40	0	100	119	130	135	76	150	150	150
26	150	120	40	120	44	135	130	135	76	150	150	150
27	150	100	40	60	40	150	150	150	76	150	150	152
28	115	150	75	0	0	150	150	120	150	150	152	150
29	150		75	100	80	150	120	150	130	150	150	152
30	150		75	66	50	135	120	150	76	150	150	152
31	150		75		0		150	150		150		150

2015												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	150	150	0	100	120	120	150	120	150	150	76	150
2	150	150	0	150	152	150	90	150	100	150	152	150
3	150	150	0	150	120	100	150	100	80	120	152	150
4	150	150	0	110	150	150	100	100	150	150	152	150
5	150	145	0	130	150	150	150	120	150	76	152	150
6	130	150	0	135	150	152	150	80	130	150	152	150
7	120	150	0	150	150	150	100	60	150	150	152	120
8	130	150	0	152	152	115	75	150	140	150	152	150
9	100	135	0	150	150	120	100	150	150	150	152	150
10	150	150	0	150	150	120	120	80	120	150	152	150
11	150	150	75	150	150	80	150	150	100	100	152	80
12	150	150	51	100	120	75	140	150	150	150	150	150
13	150	150	75	150	150	100	120	98	150	150	150	140
14	150	152	75	150	150	120	120	150	40	150	152	150
15	150	152	75	150	150	110	150	152	120	152	152	150
16	150	152	75	150	150	150	150	150	120	120	150	150
17	150	135	75	150	150	150	150	142	150	150	152	150
18	152	130	75	150	100	150	150	120	150	150	150	150
19	150	120	76	150	150	150	150	120	143	150	152	150
20	150	150	50	120	150	150	140	150	150	152	150	150
21	150	75	100	150	150	150	150	100	135	152	150	150
22	150	75	140	150	140	120	150	142	98	150	150	150
23	150	75	150	75	150	60	75	150	150	150	150	150
24	150	75	120	75	60	120	150	80	150	150	150	150
25	150	75	125	75	150	150	150	150	152	150	150	150
26	80	0	80	150	150	75	150	100	150	120	150	150
27	80	0	140	120	120	75	75	150	150	152	150	150
28	80	0	75	150	75	150	150	46	150	152	150	150
29	150		75	100	80	150	100	120	152	152	150	150
30	150		150	150	75	150	120	150	150	152	150	150
31	150		150		120		150	135		76		140

2016												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	150	120	75	60	75	150	150	75	100	40	150	80
2	150	115	40	75	80	150	150	100	120	150	40	40
3	150	120	40	75	40	150	150	40	120	40	80	130
4	150	40	54	50	75	150	0	120	140	40	100	0
5	144	140	75	70	40	150	150	100	40	40	120	150
6	150	75	60	40	50	150	150	150	40	40	150	75
7	135	140	40	70	80	112	75	150	40	40	100	80
8	140	150	75	40	75	150	80	75	40	75	114	100
9	150	40	75	35	80	120	140	110	60	80	100	0
10	150	150	75	80	0	100	150	53	150	40	100	130
11	114	120	40	150	80	150	120	115	120	120	120	0
12	95	130	75	100	75	130	150	40	75	75	116	75
13	128	150	0	120	120	150	150	75	14	0	130	40
14	140	150	40	80	150	150	120	150	120	70	75	120
15	150	75	60	120	152	140	150	150	40	100	100	75
16	150	115	75	120	152	150	150	90	80	150	60	100
17	150	80	40	100	150	150	150	150	70	150	80	50
18	150	120	75	92	150	150	150	75	40	65	100	75
19	150	100	75	60	150	75	60	40	75	0	150	150
20	150	75	40	150	150	150	150	140	120	75	120	90
21	132	80	75	0	150	150	75	60	40	70	120	95
22	150	150	75	40	150	100	75	80	120	100	120	0
23	150	150	105	80	150	150	150	150	75	120	115	110
24	150	58	60	120	115	150	130	80	150	150	140	120
25	140	0	60	40	150	150	120	75	120	150	137	0
26	140	75	40	75	140	60	115	100	60	120	150	90
27	150	75	75	40	150	40	130	150	150	100	150	40
28	100	75	50	40	150	140	150	141	80	150	50	40
29	120	40	75	71	150	150	130	140	120	80	120	100
30	120		75	75	150	40	150	75	150	75	0	40
31	150		40		150		150	80		75		75

2017									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	110	75	52	40	128	150	150	40	50
2	80	80	52	116	100	140	0	80	150
3	60	0	0	58	100	131	0	40	150
4	40	62	52	42	75	116	0	150	110
5	75	0	0	0	0	150	40	150	150
6	120	75	0	0	0	150	75	150	60
7	0	40	75	40	0	100	75	150	150
8	40	66	60	45	40	120	120	120	150
9	60	54	51	140	0	150	150	115	150
10	75	0	43	64	75	150	0	60	150
11	150	45	40	40	40	150	140	114	130
12	75	40	75	75	40	75	40	65	128
13	75	51	75	80	75	150	100	75	140
14	115	60	75	140	60	75	40	109	150
15	150	60	75	130	86	75	75	150	150
16	0	0	60	0	75	75	100	120	150
17	40	38	75	0	40	75	40	60	150
18	0	76	60	75	75	150	80	120	120
19	60	40	75	40	40	40	40	150	80
20	0	41	0	0	0	120	80	150	130
21	0	40	0	0	60	120	150	100	140
22	0	0	0	50	0	150	60	150	130
23	75	0	47	120	75	60	120	150	100
24	40	0	45	60	108	75	60	80	90
25	135	0	40	40	140	150	115	50	80
26	0	75	65	75	150	0	0	150	80
27	0	40	50	75	150	120	40	150	150
28	130	40	55	0	150	60	115	120	80
29	0		39	70	75	40	150	100	80
30	0		60	0	150	150	40	103	150
31	90		0		150		40	150	