Monthly Generation Report

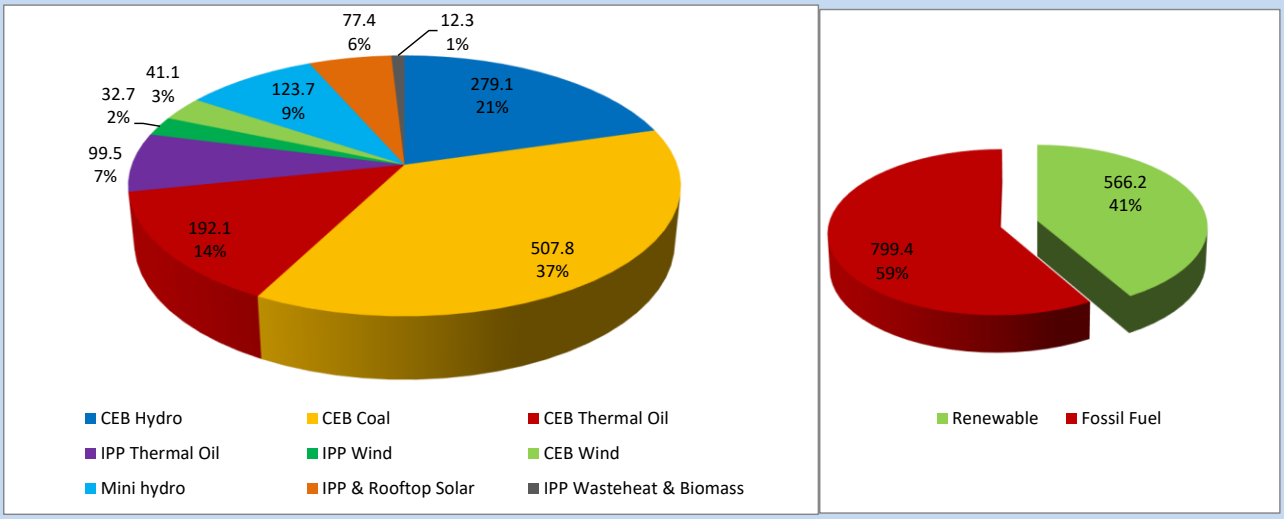
May-23

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

May-23

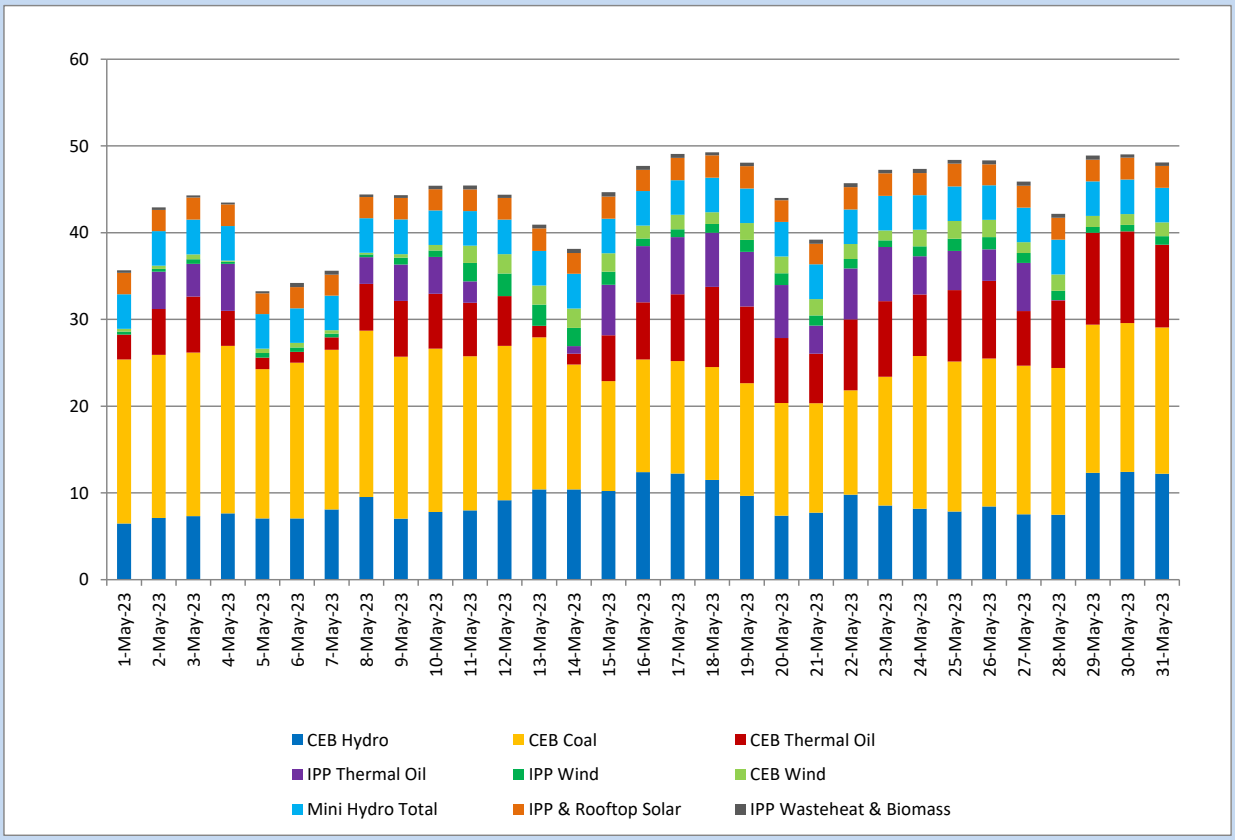


Total Generation = 1,366 GWh

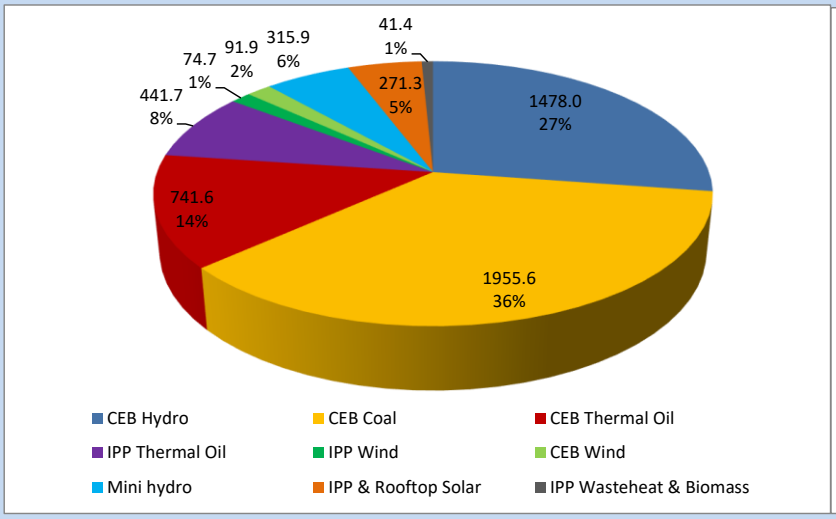
Total Estimated Unserved Energy duty power cut = 0 GWh

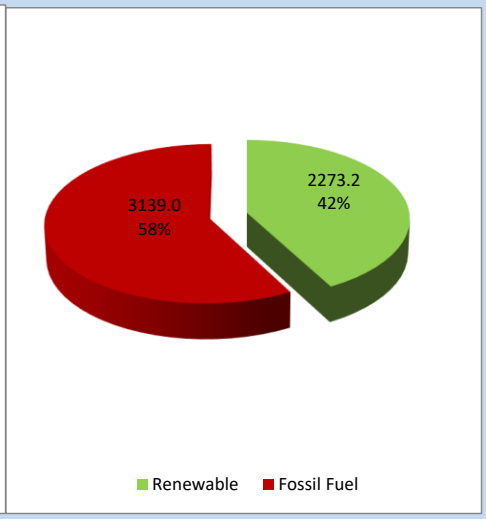
· Estimated total generation from Minihydro, Solar and Rooftop Solar has been added to the generation

1.2 Variation of Daily Generation Mix during the month



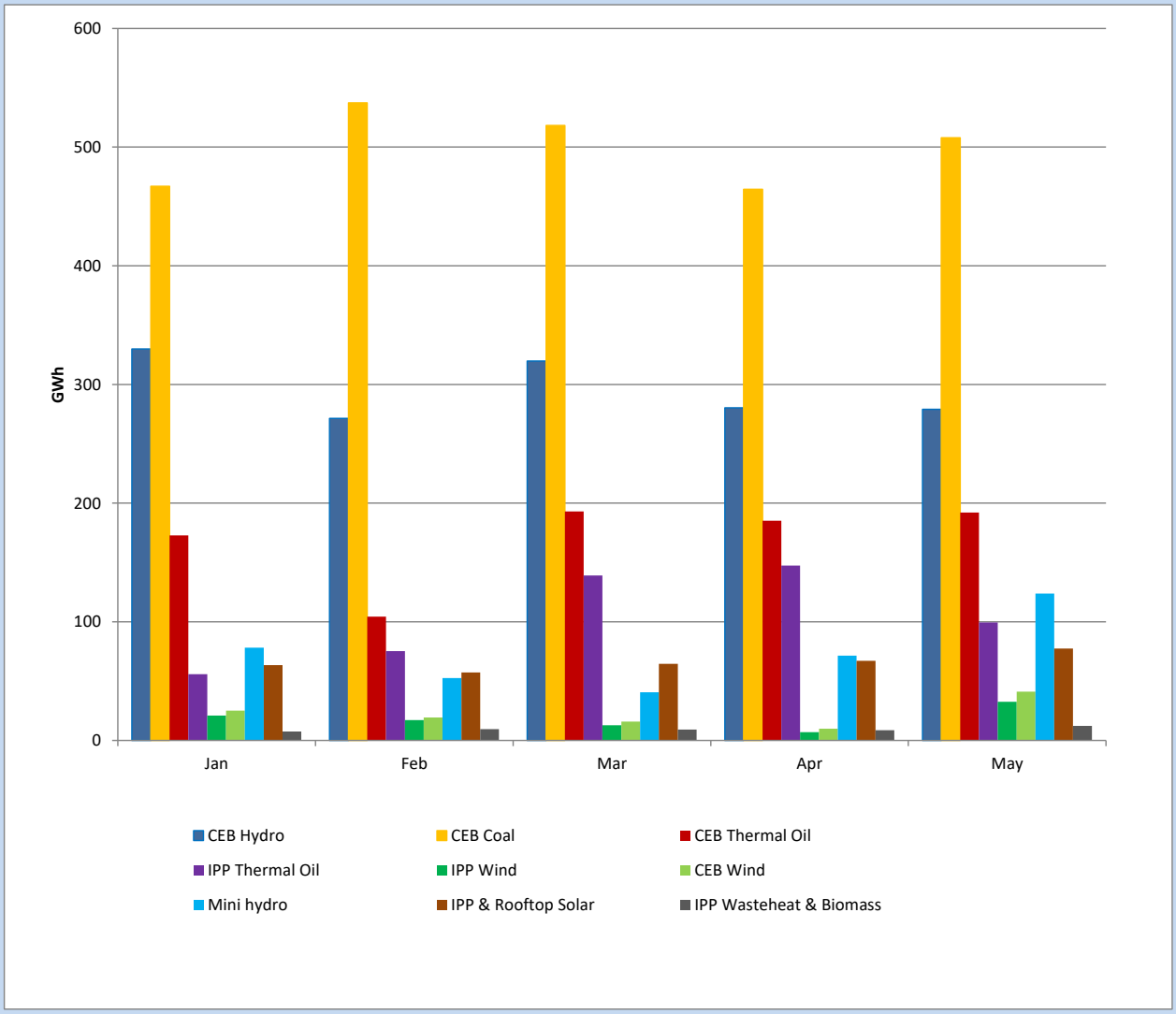
1.3 Annual Cumulative Generation





Total Generation = **5,412 GWh**

1.4 Variation of Monthly Generation Mix during the year

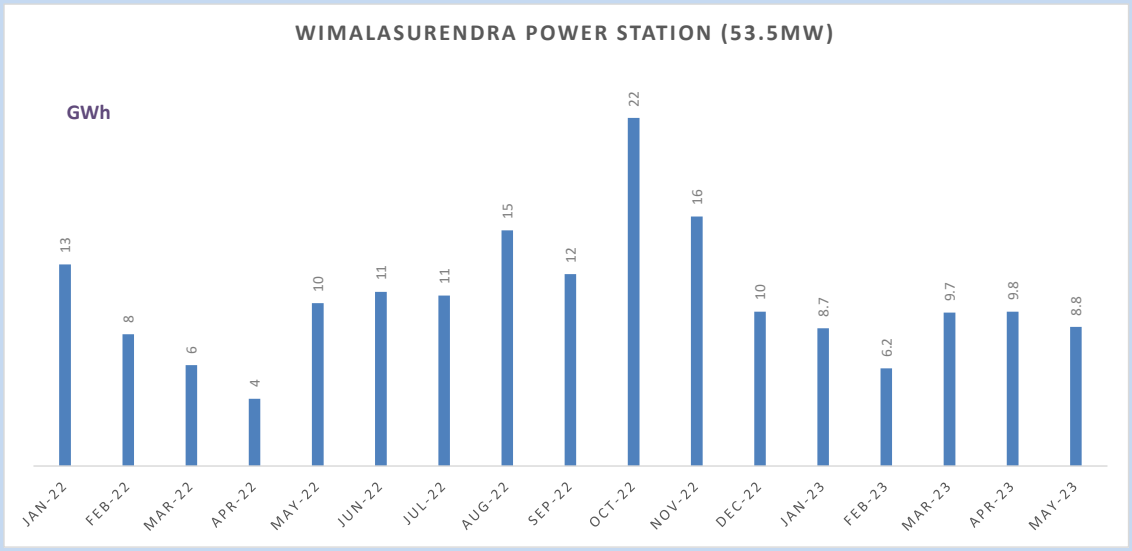


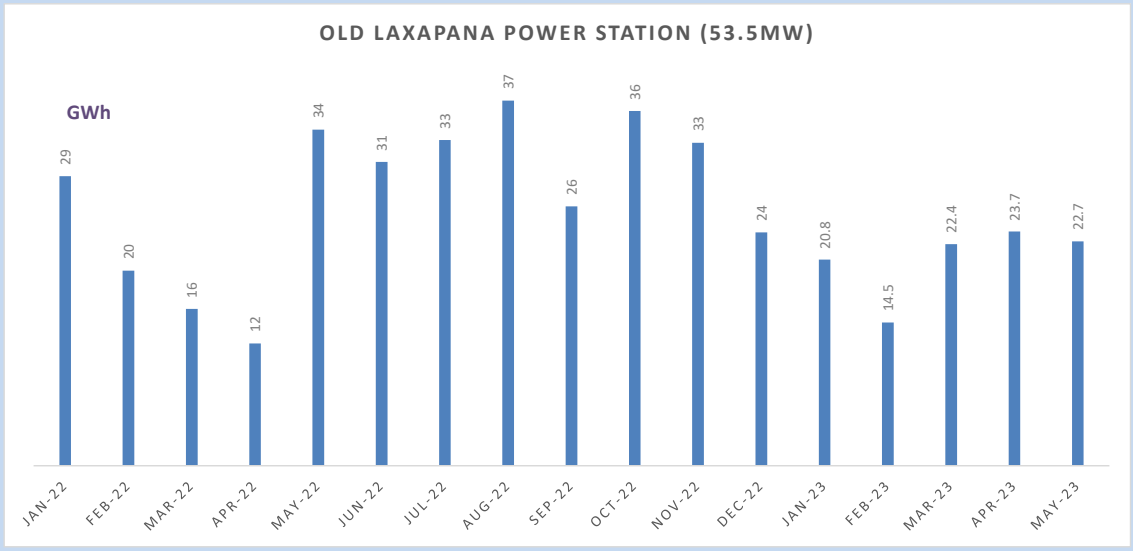
2 Major Plant Dispatch

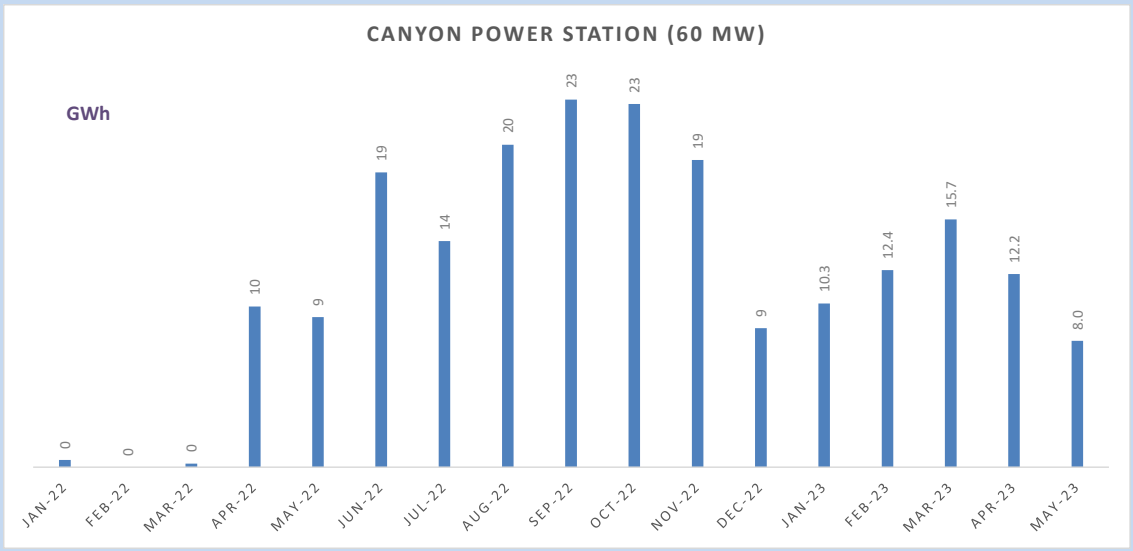
2.1 Dispatch from all Generation Major Plants in May-23

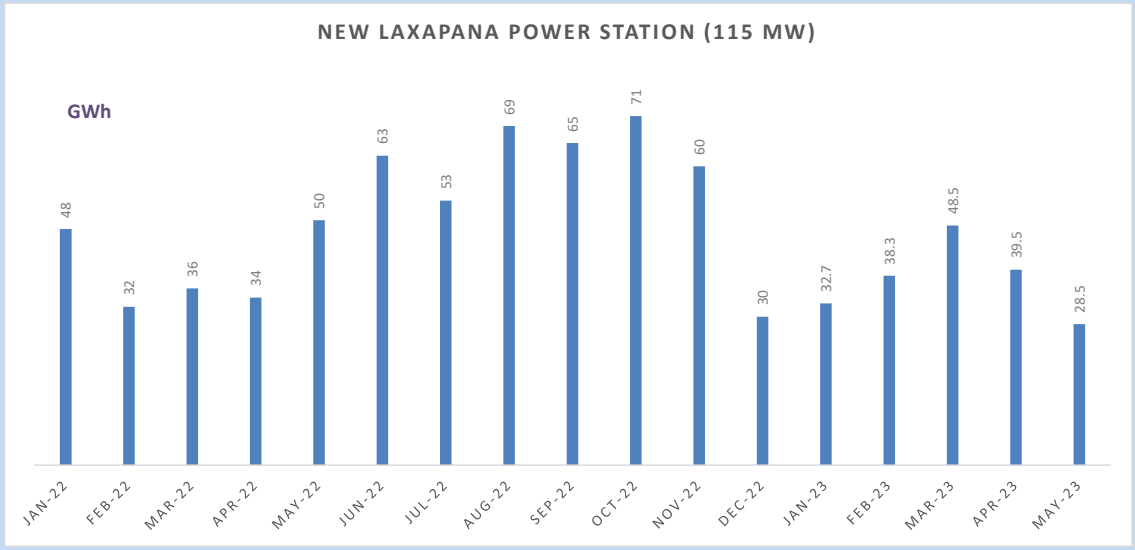
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	8,794	23.6%
Old Laxapana	54	22,688	56.5%
Canyon	60	7,973	17.9%
New Laxapana	100	28,534	38.4%
Polpitiya	90	27,778	41.5%
Broadlands	35	6,679	25.6%
Kotmale	201	4,070	2.7%
Victoria	225	30,489	18.2%
Randenigala	114	25,829	30.5%
Rantambe	50	12,760	34.3%
Ukuwela	37	13,392	48.6%
Bowatenna	40	4,565	15.3%
Upper Kotmale	150	17,377	15.6%
Nilambe	3	608	27.2%
Samanalawewa	120	31,014	34.7%
Kukule	75	31,686	56.8%
Inginiyagala	11	3,100	37.9%
Udawalawe	6	1,746	39.1%
Puttalam Coal I	270	122,597	61.0%
Puttalam Coal II	270	195,136	97.1%
Puttalam Coal III	270	190,066	94.6%
KPS Small GTs	64	867	1.8%
KPS GT 7	115	15,931	18.6%
KCCP	161	70,945	59.2%
Sapugaskanda A	70	16,189	31.1%
Sapugaskanda B	70	37,534	72.1%
Uthura Janani	26	9,258	47.9%
Barge CEB	60	28,776	64.5%
CEB - Hambantota	30	4,148	18.6%
CEB - Mathugama	20	2,446	16.4%
KCCPS -2	163	6,012	5.0%
West Coast	270	99,452	49.5%
ACE Embilipitiya	93	0	0.0%

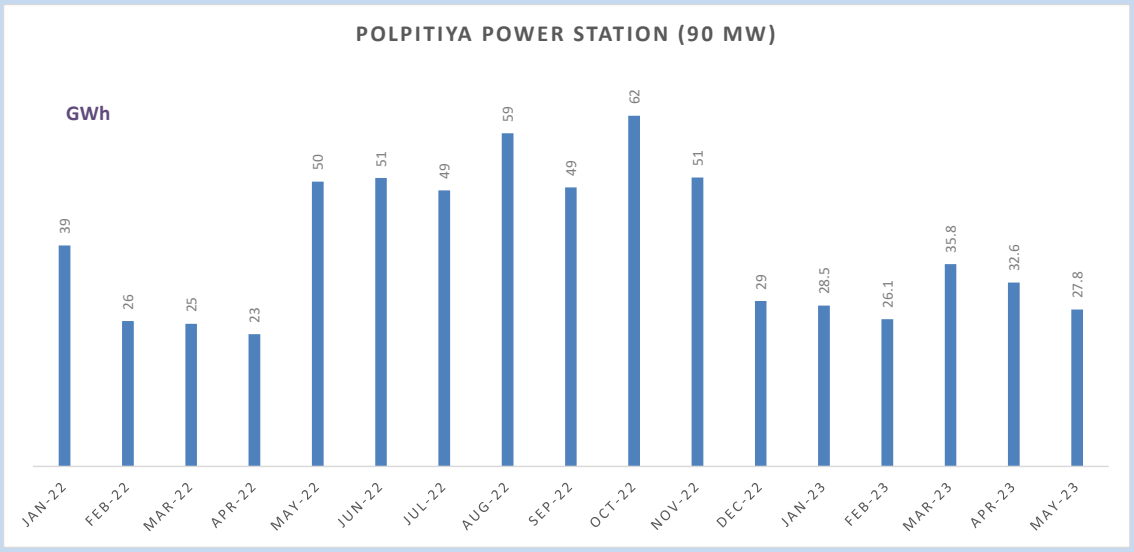
2.3 Generation of Major Power Plants From Last Year

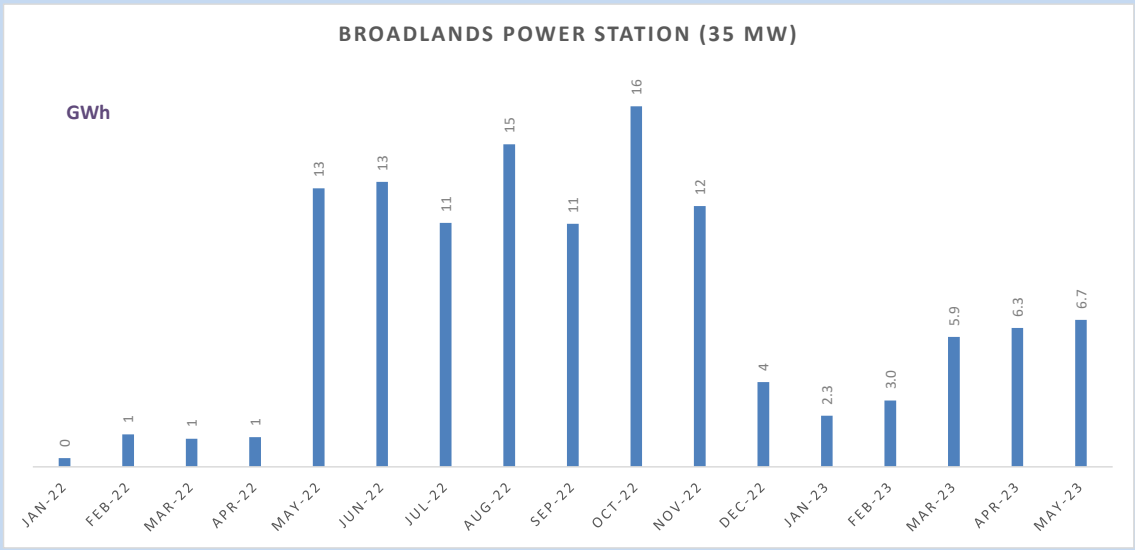


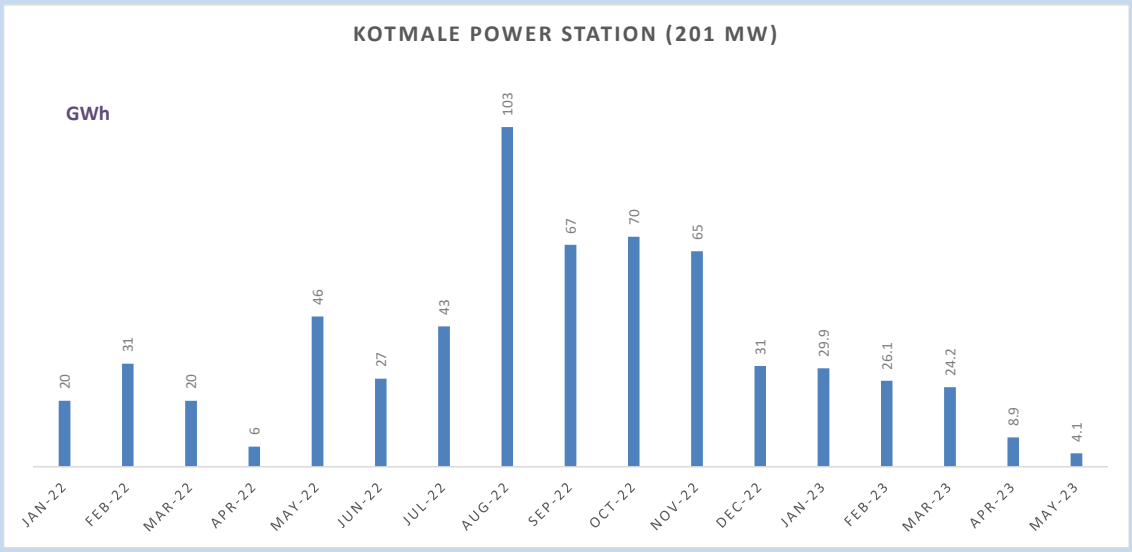


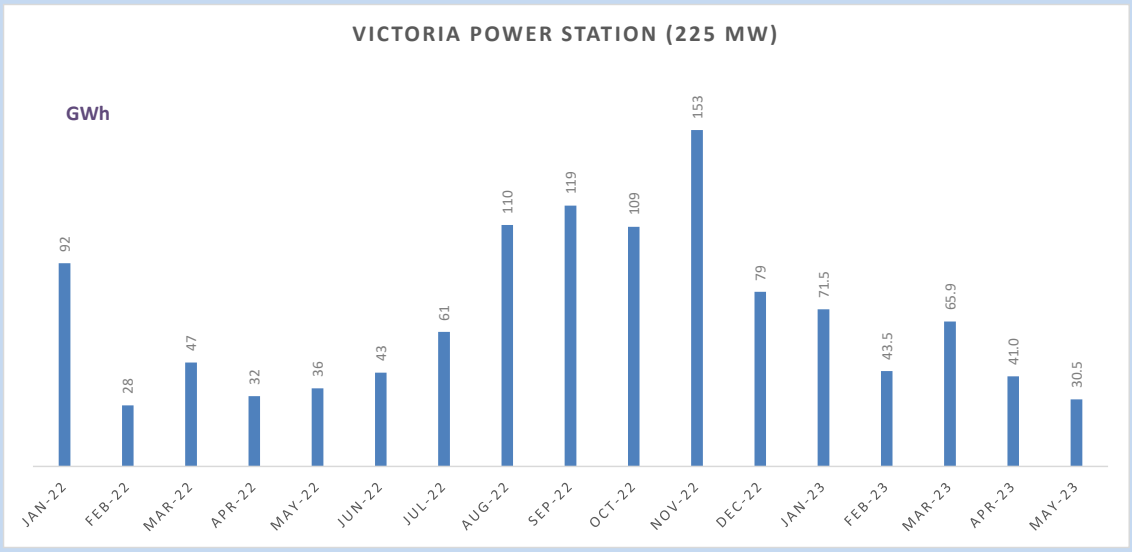


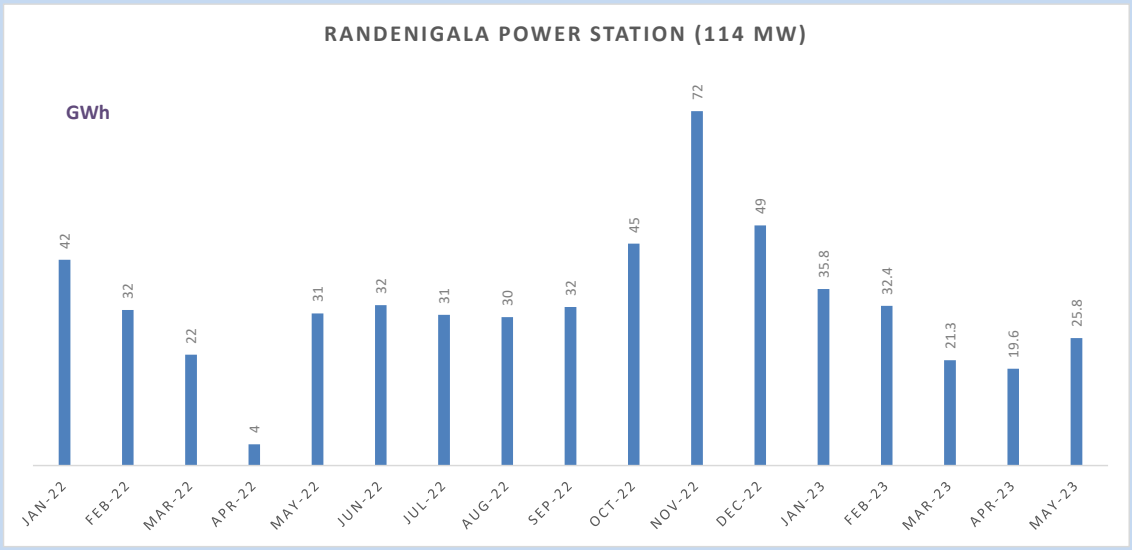

NEW LAXAPANA POWER STATION (115 MW)
GWh
48
32
36
34
50
63
53
69
65
71
60
30
32.7
38.3
48.5
39.5
28.5
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

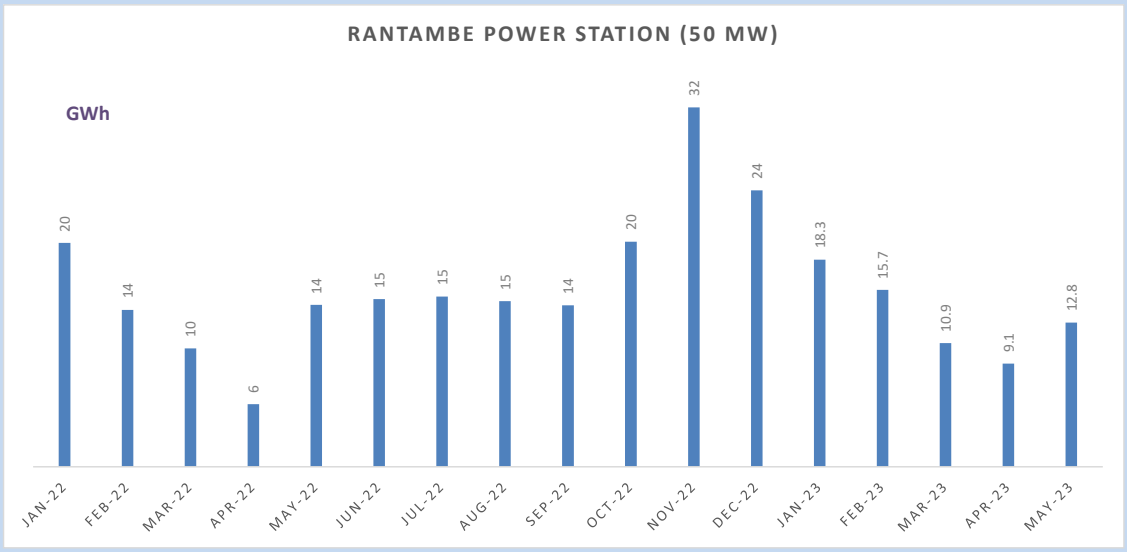

POLPITIYA POWER STATION (90 MW)
GWh
39
26
25
23
50
51
49
59
49
62
51
29
28.5
26.1
35.8
32.6
27.8
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

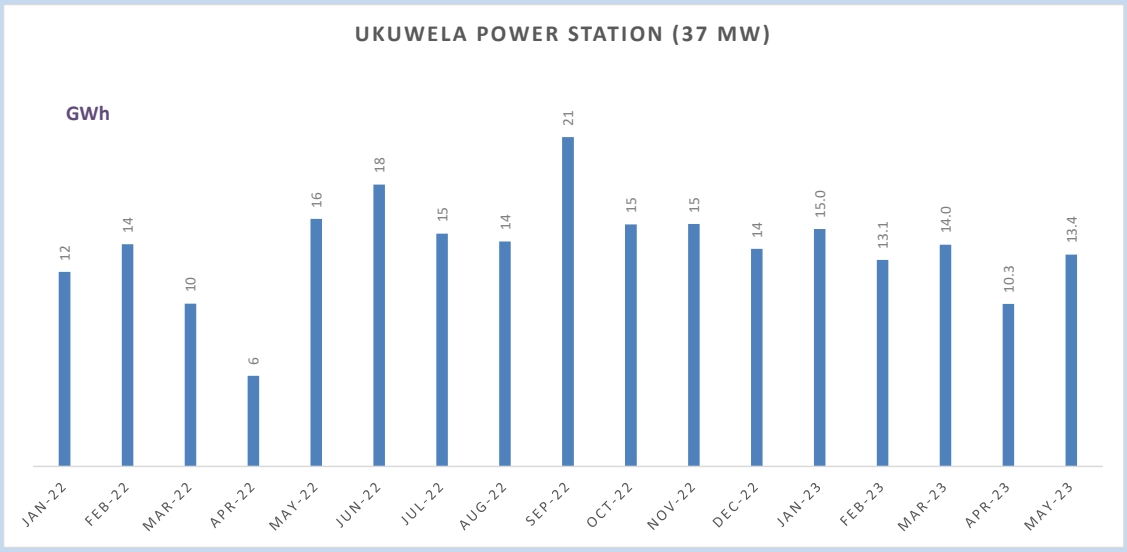

BROADLANDS POWER STATION (35 MW)
GWh
0
1
1
1
13
13
11
15
11
16
12
4
2.3
3.0
5.9
6.3
6.7
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

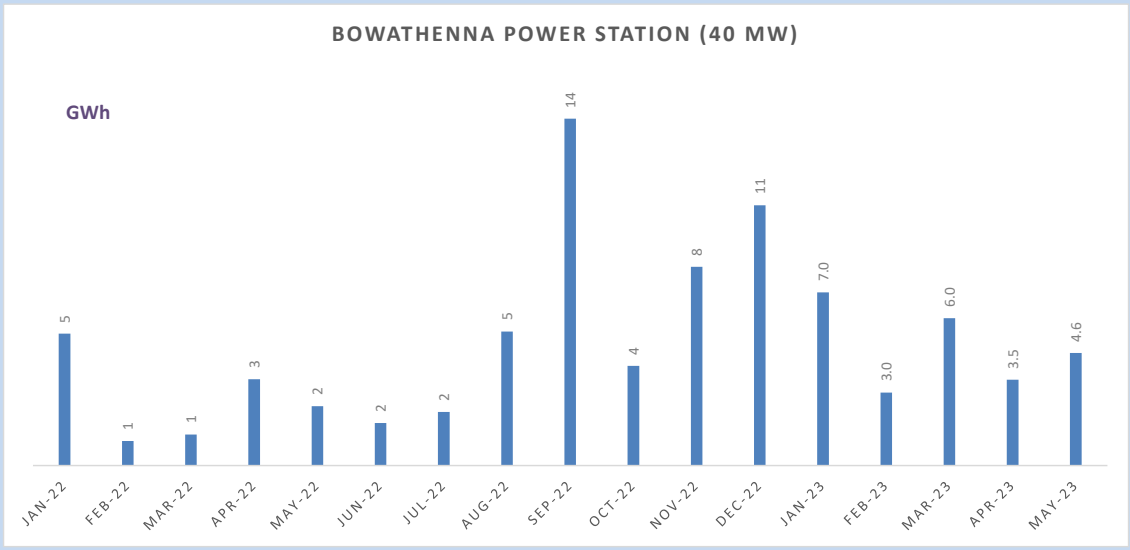

KOTMALE POWER STATION (201 MW)
GWh
20
31
20
6
46
27
43
103
67
70
65
31
29.9
26.1
24.2
8.9
4.1
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

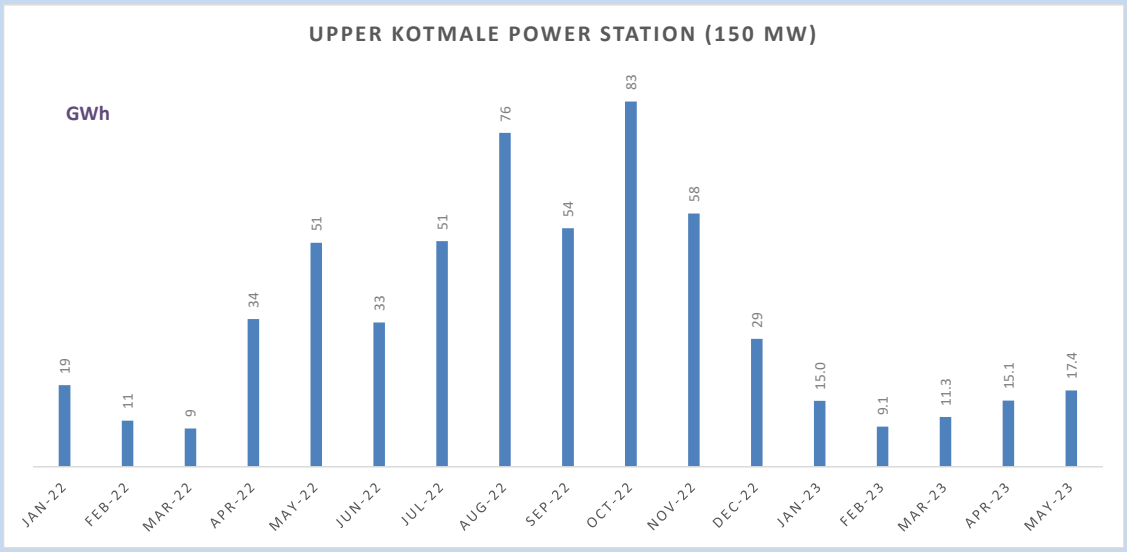

VICTORIA POWER STATION (225 MW)
GWh
92
28
47
32
36
43
61
110
119
109
153
79
71.5
43.5
65.9
41.0
30.5
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

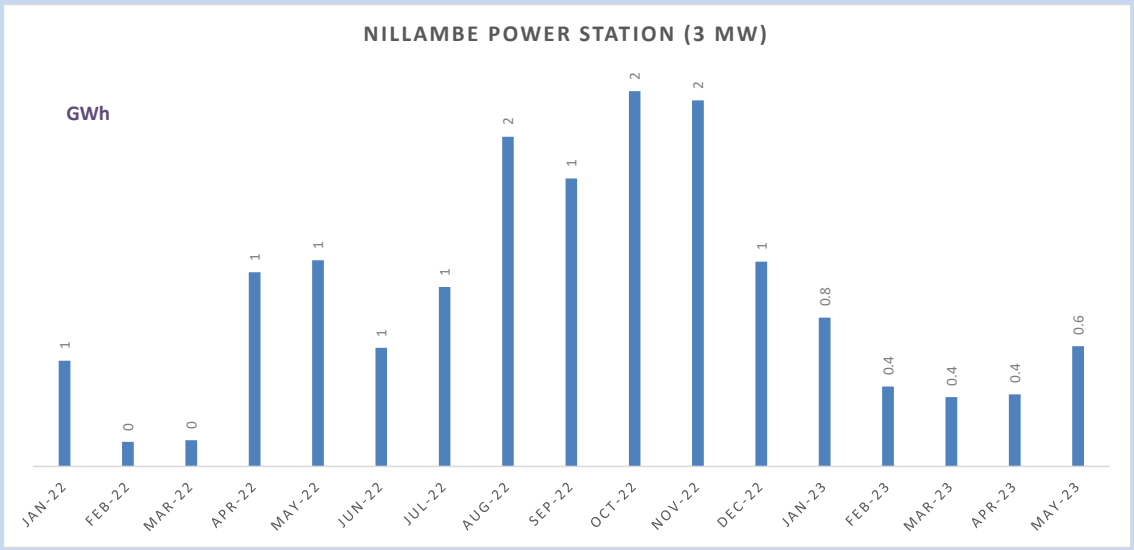

RANDENIGALA POWER STATION (114 MW)
GWh
42
32
22
4
31
32
31
30
32
45
72
49
35.8
32.4
21.3
19.6
25.8
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

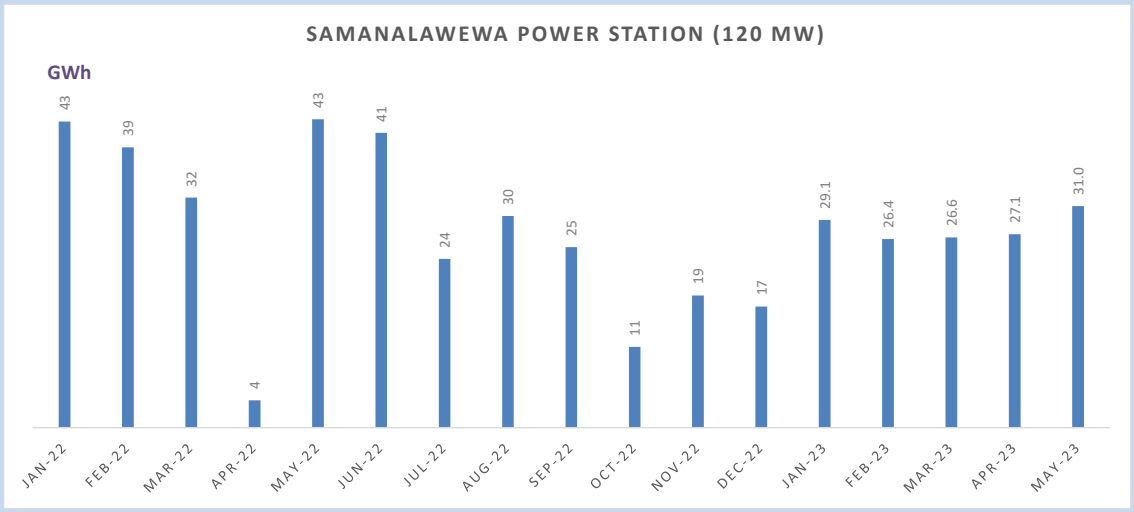

RANTAMBE POWER STATION (50 MW)
GWh
20
14
10
6
14
15
15
15
14
20
32
24
18.3
15.7
10.9
9.1
12.8
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

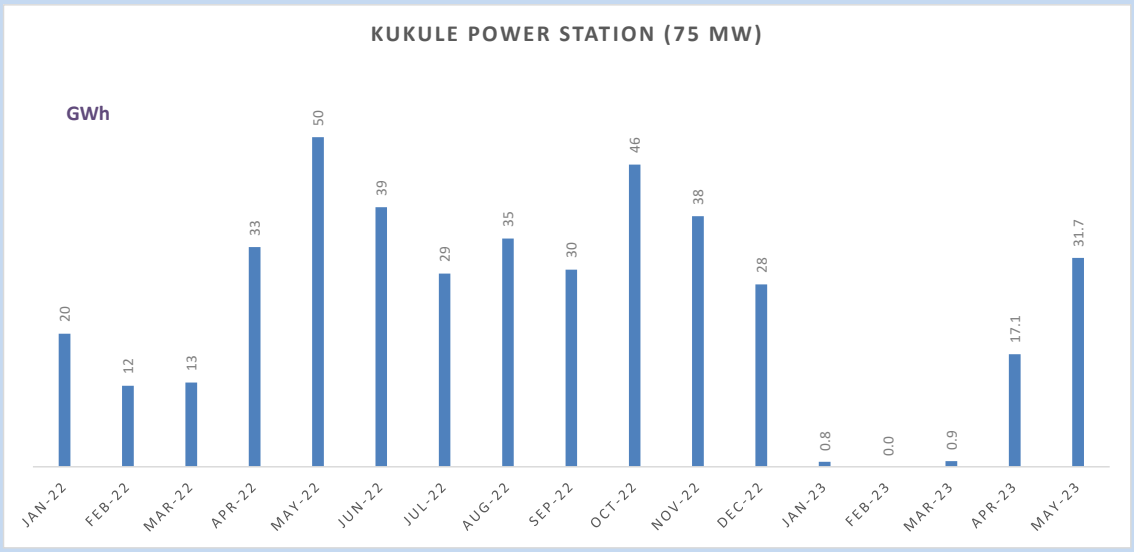

UKUWELA POWER STATION (37 MW)
GWh
12
14
10
6
16
18
15
14
21
15
15
14
15.0
13.1
14.0
10.3
13.4
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

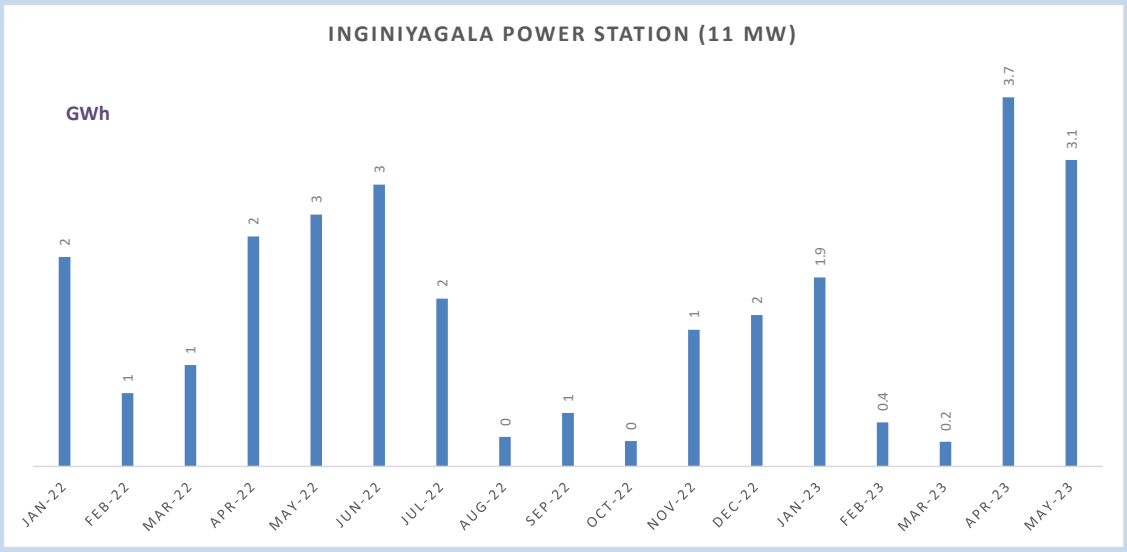

BOWATHENNA POWER STATION (40 MW)
GWh
5
1
1
3
2
2
2
5
14
4
8
11
7.0
3.0
6.0
3.5
4.6
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

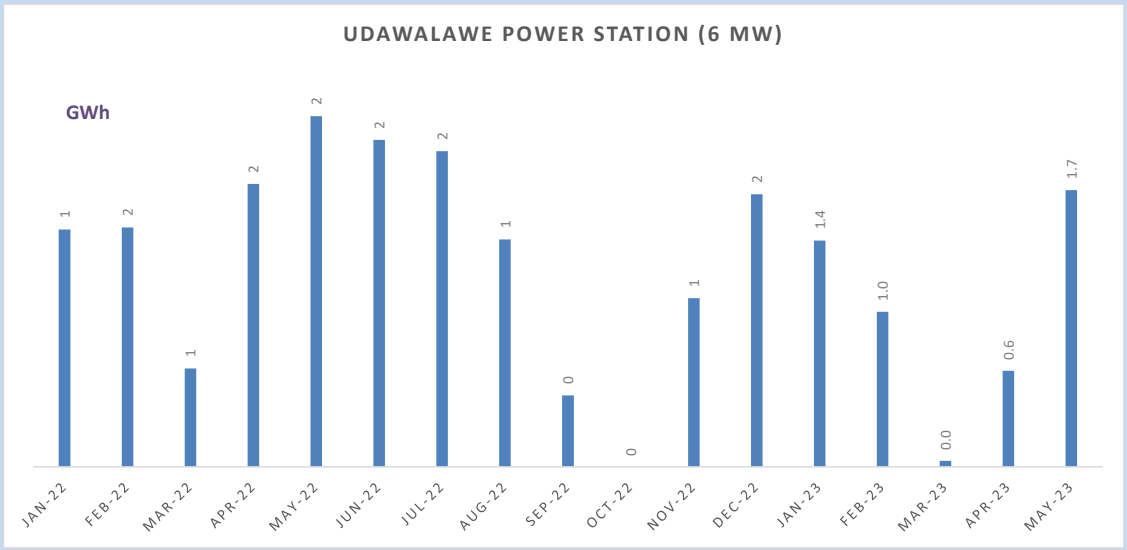

UPPER KOTMALE POWER STATION (150 MW)
GWh
19
11
9
34
51
33
51
76
54
83
58
29
15.0
9.1
11.3
15.1
17.4
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

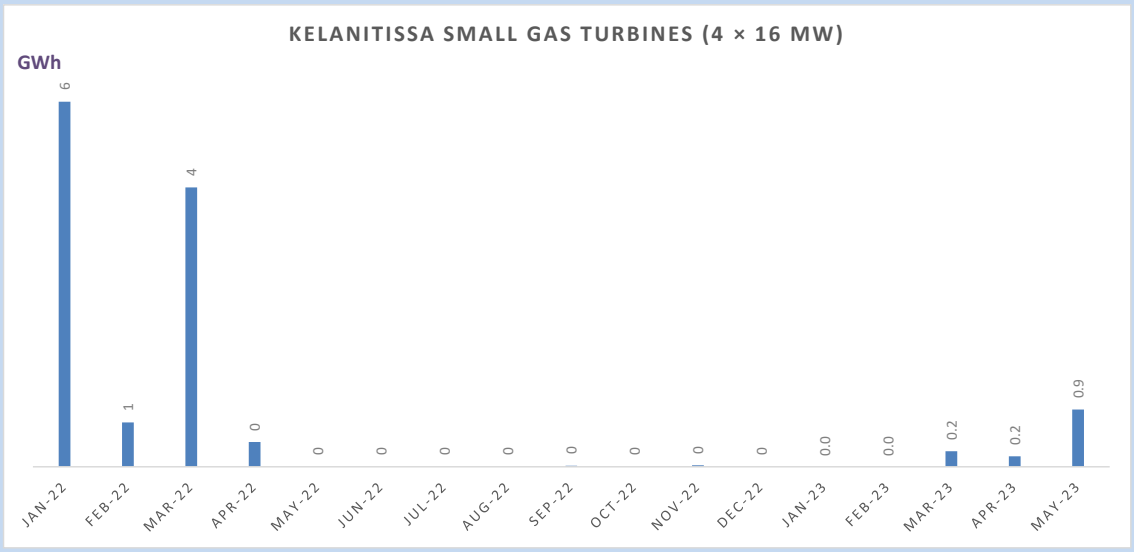

NILLAMBE POWER STATION (3 MW)
GWh
1
0
0
1
1
1
1
2
1
2
2
1
0.8
0.4
0.4
0.4
0.6
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

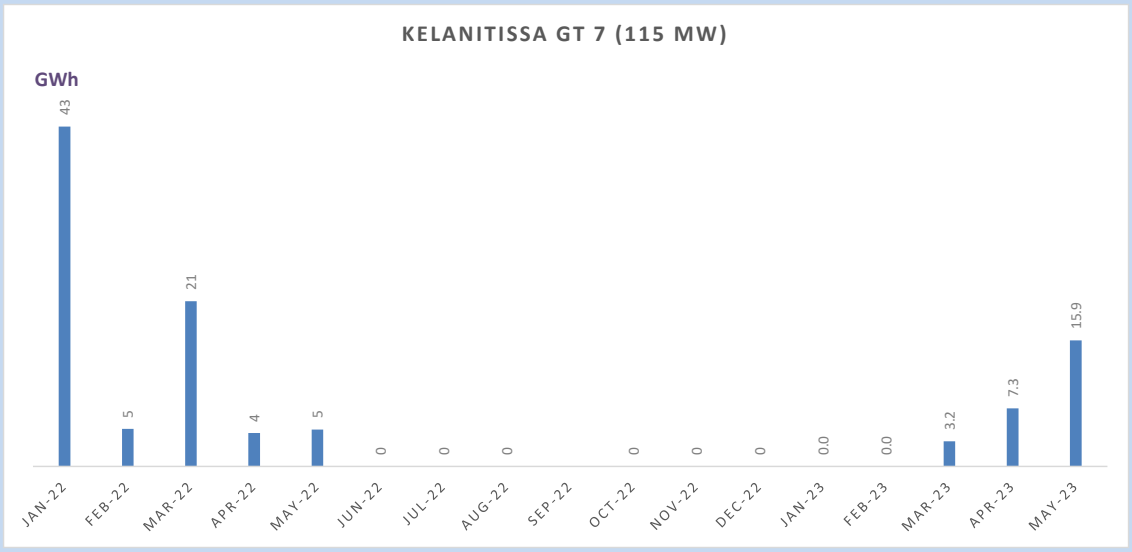

SAMANALAWEWA POWER STATION (120 MW)
GWh
43
39
32
4
43
41
24
30
25
11
19
17
29.1
26.4
26.6
27.1
31.0
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

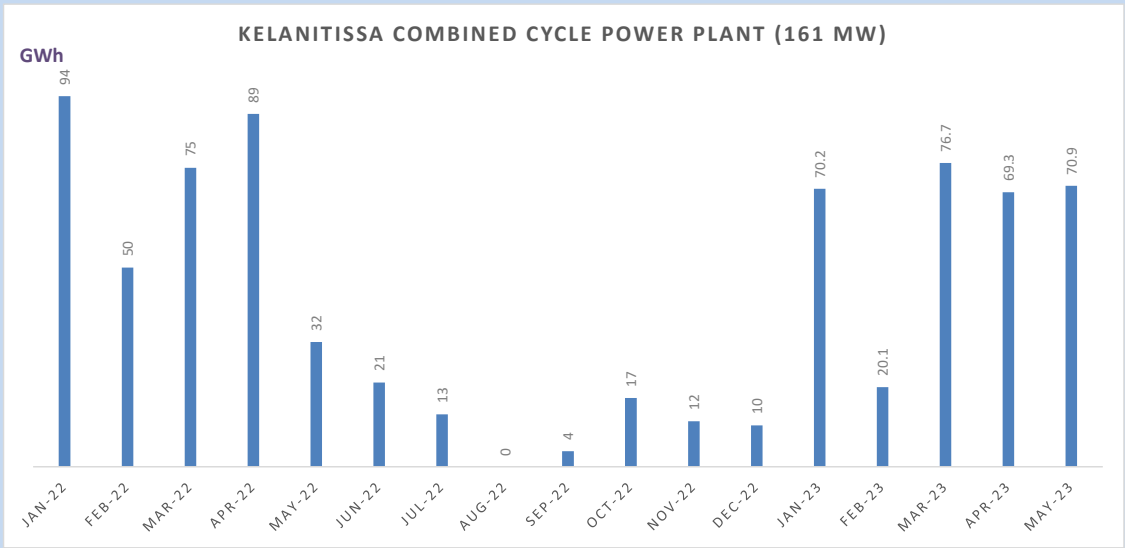

KUKULE POWER STATION (75 MW)
GWh
20
12
13
33
50
39
29
35
30
46
38
28
0.8
0.0
0.9
17.1
31.7
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

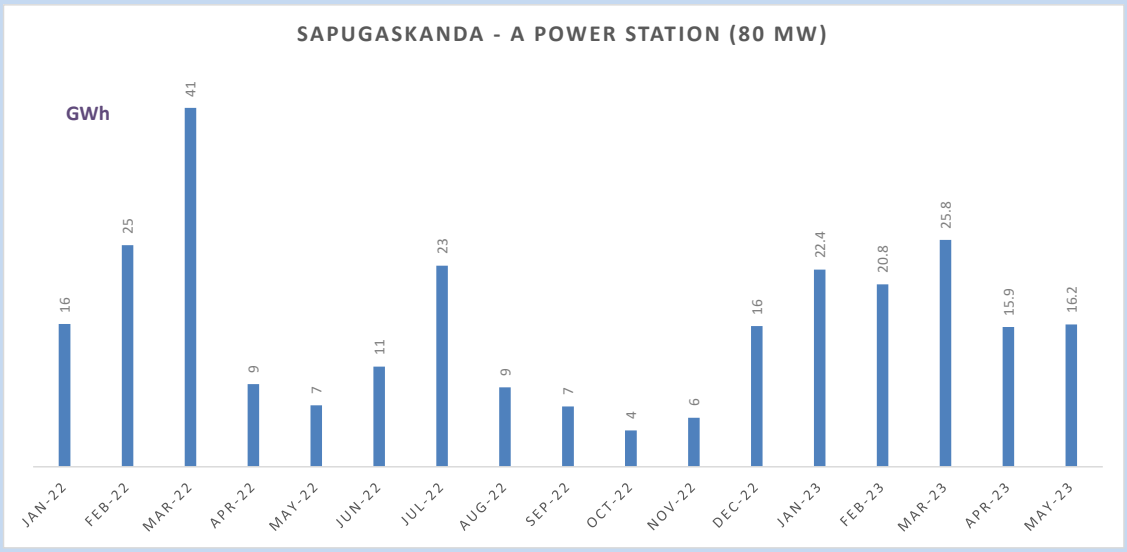

INGINIYAGALA POWER STATION (11 MW)
GWh
2
1
1
2
3
3
2
0
1
0
1
2
1.9
0.4
0.2
3.7
3.1
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

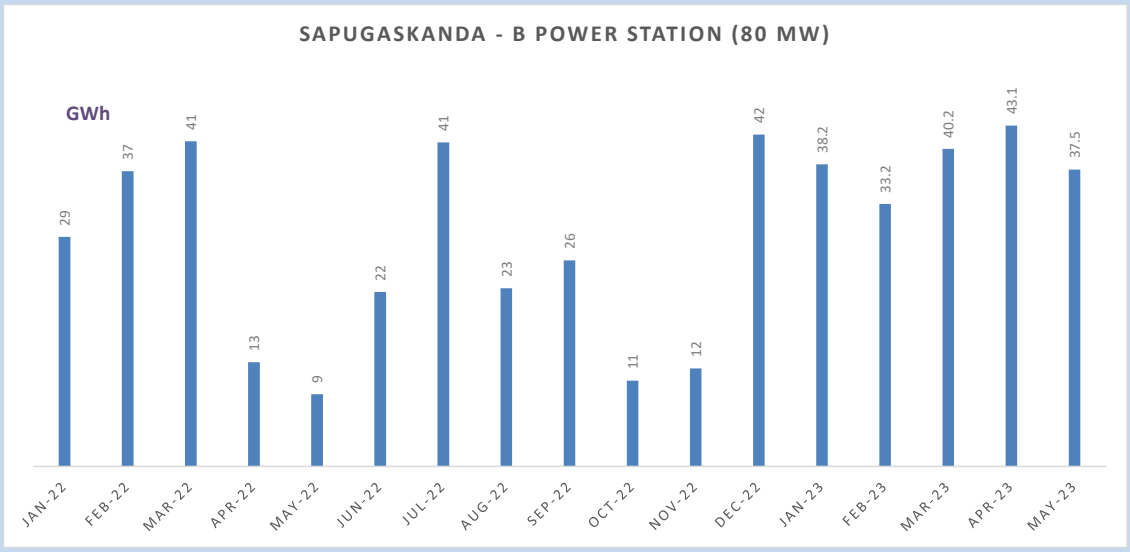

UDAWALAWE POWER STATION (6 MW)
GWh
1
2
1
2
2
2
2
1
0
0
1
2
1.4
1.0
0.0
0.6
1.7
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

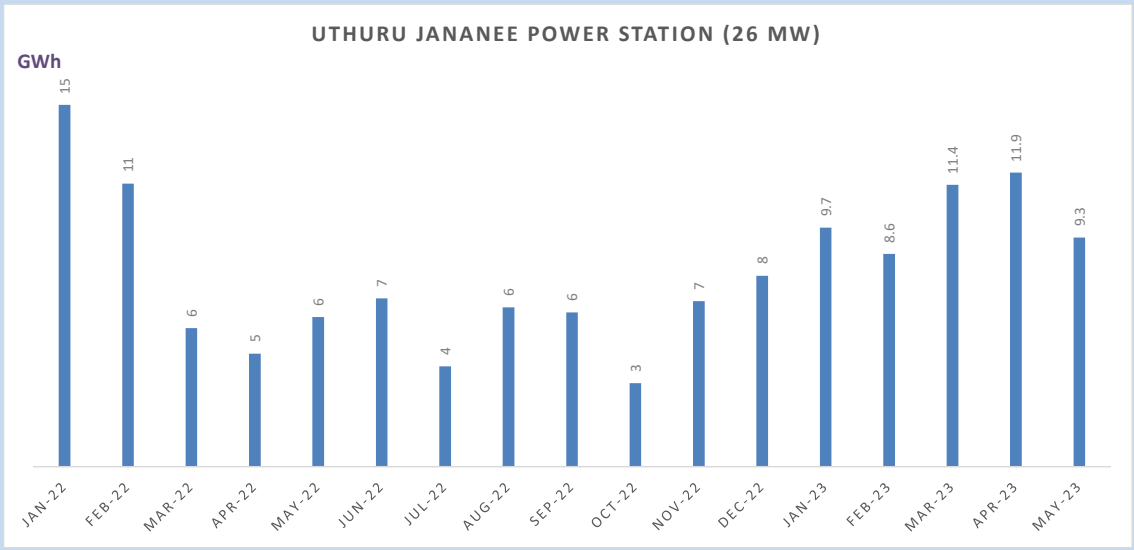

KELANITISSA SMALL GAS TURBINES (4 × 16 MW)
GWh
6
1
4
0
0
0
0
0
0
0
0
0
0.0
0.0
0.2
0.2
0.9
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

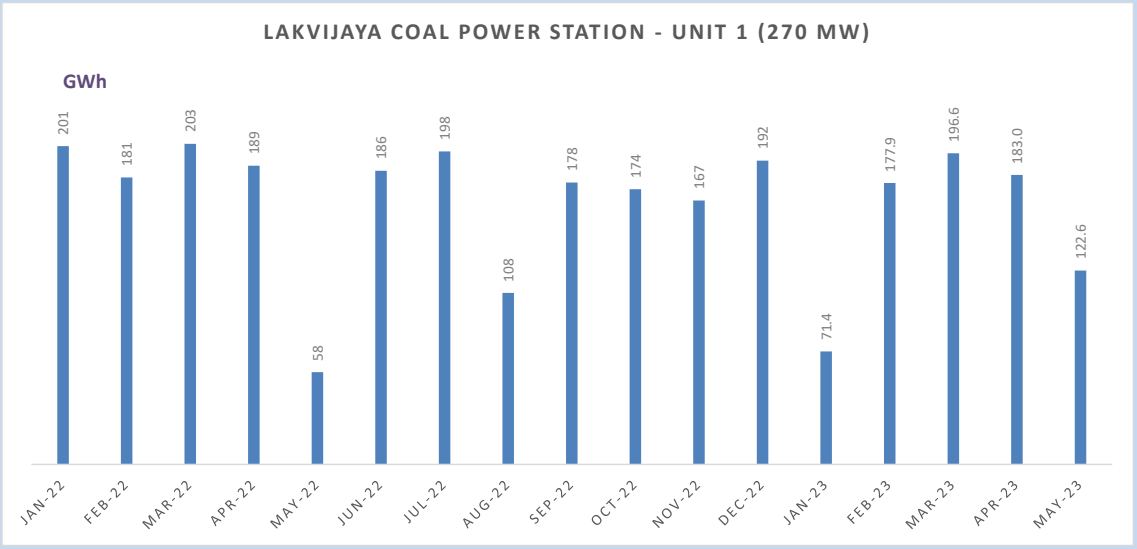

KELANITISSA GT 7 (115 MW)
GWh
43
5
21
4
5
0
0
0
0
0
0
0
0.0
0.0
3.2
7.3
15.9
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

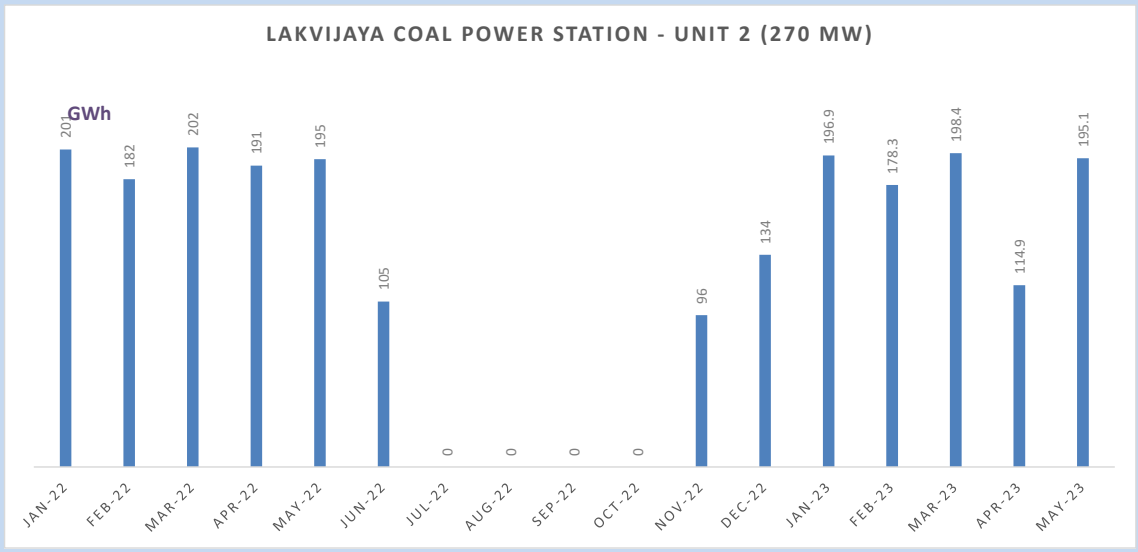

KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)
GWh
94
50
75
89
32
21
13
0
4
17
12
10
70.2
20.1
76.7
69.3
70.9
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

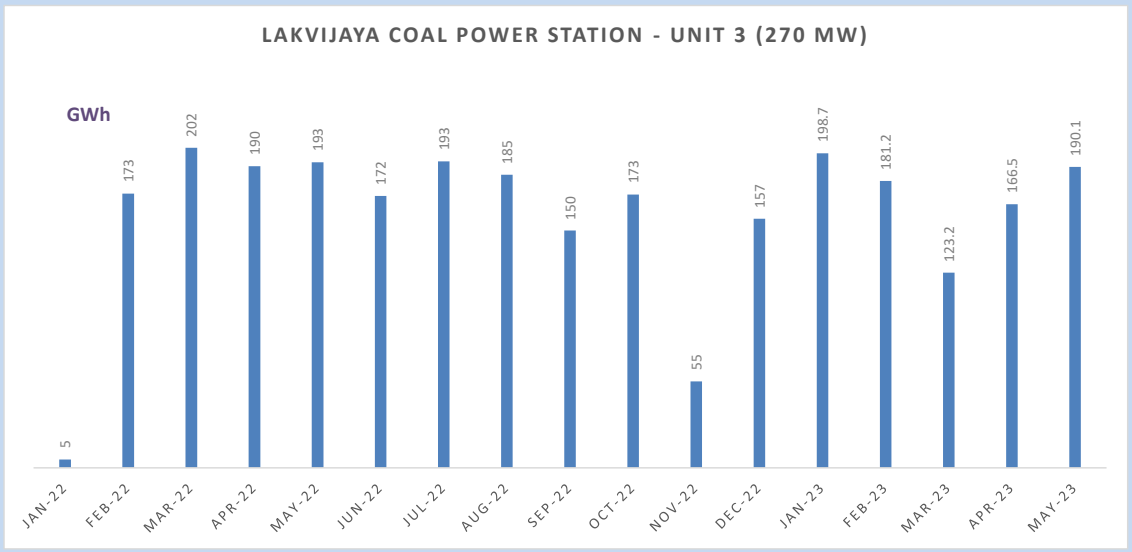

SAPUGASKANDA - A POWER STATION (80 MW)
GWh
16
25
41
9
7
11
23
9
7
4
6
16
22.4
20.8
25.8
15.9
16.2
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

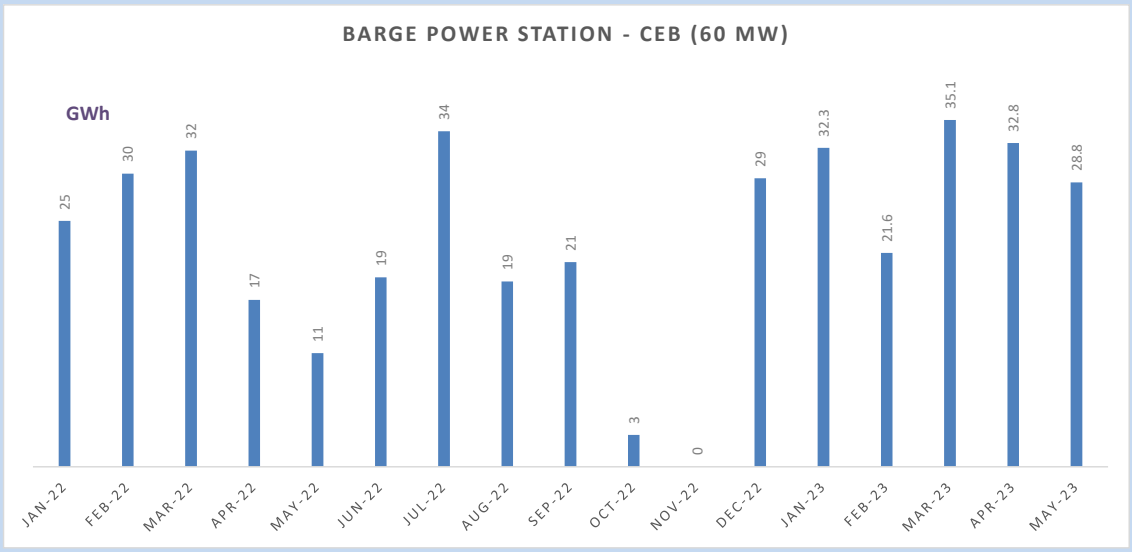

SAPUGASKANDA - B POWER STATION (80 MW)
GWh
29
37
41
13
9
22
41
23
26
11
12
42
38.2
33.2
40.2
43.1
37.5
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

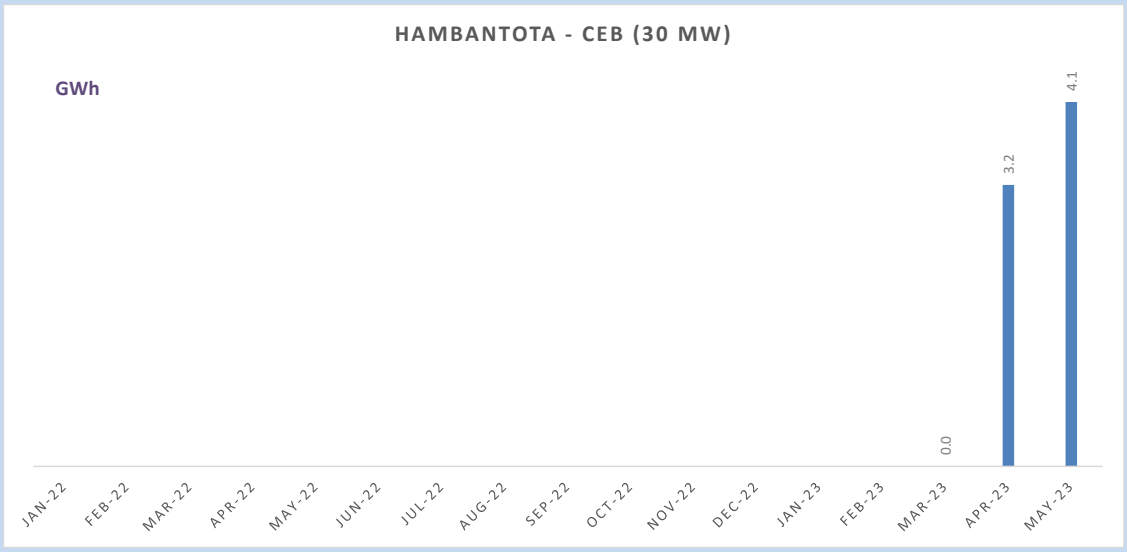

UTHURU JANANEE POWER STATION (26 MW)
GWh
15
11
6
5
6
7
4
6
6
3
7
8
9.7
8.6
11.4
11.9
9.3
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

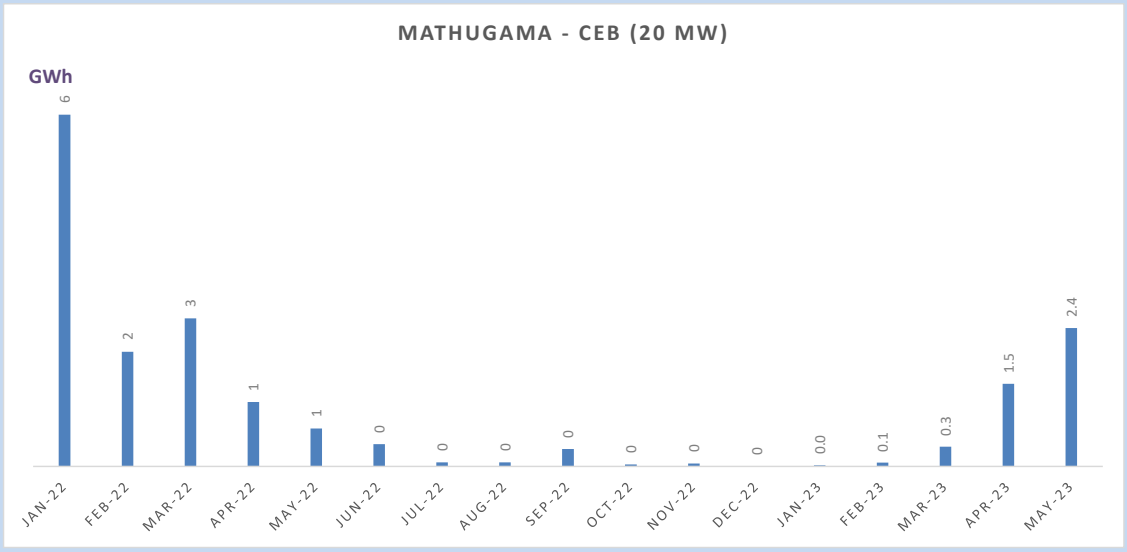

LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)
GWh
201
181
203
189
58
186
198
108
178
174
167
192
71.4
177.9
196.6
183.0
122.6
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

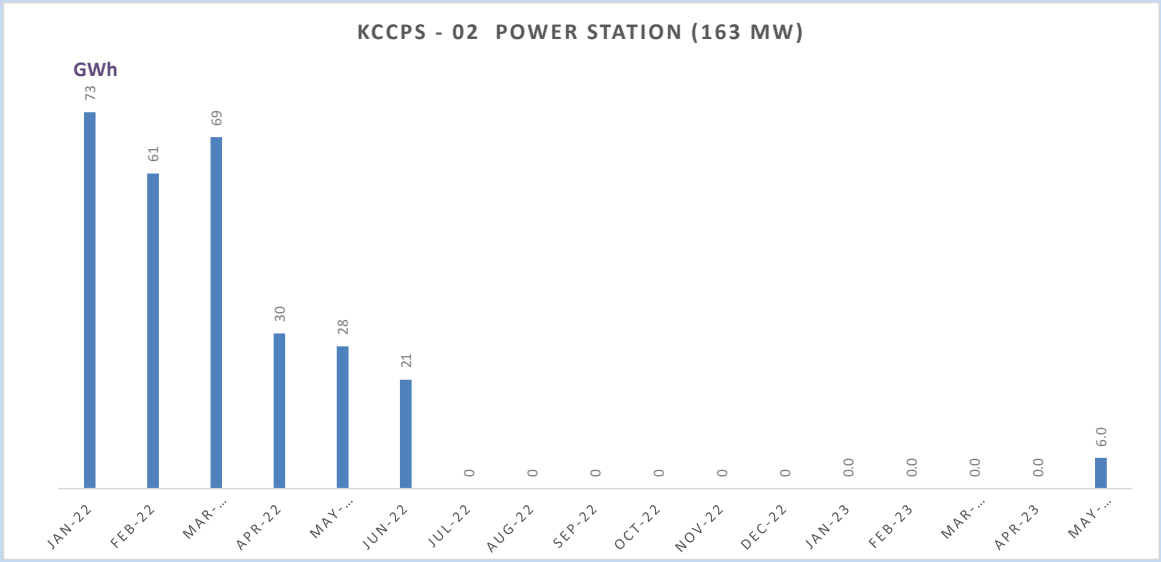

LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)
GWh
182
202
191
195
105
0
0
0
0
96
134
196.9
178.3
198.4
114.9
195.1
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23

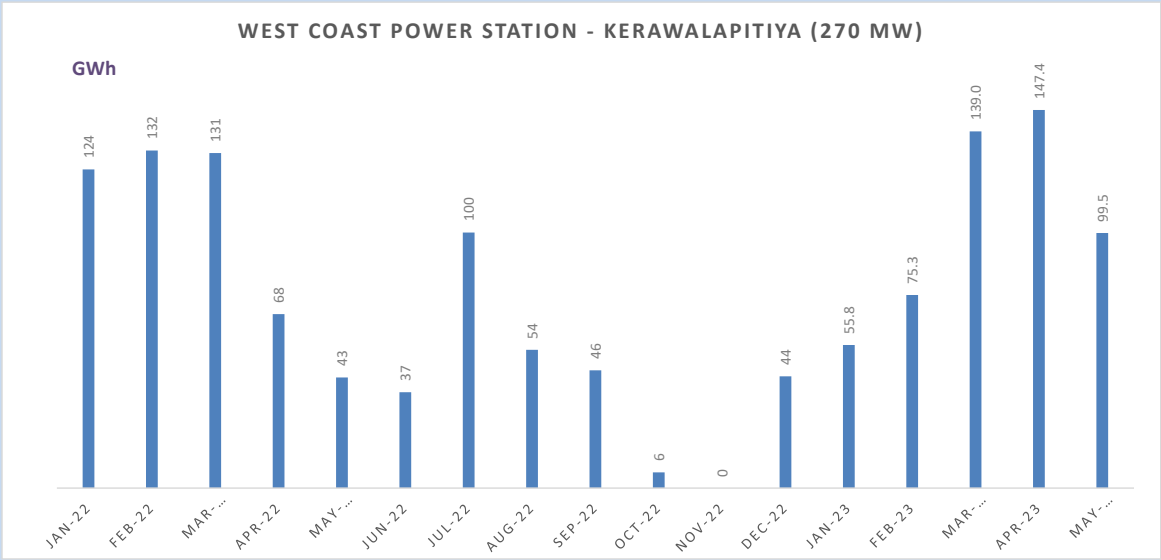

LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)
GWh
5
173
202
190
193
172
193
185
150
173
55
157
198.7
181.2
123.2
166.5
190.1
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23


BARGE POWER STATION - CEB (60 MW)
GWh
25
30
32
17
11
19
34
19
21
3
0
29
32.3
21.6
35.1
32.8
28.8
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23


HAMBANTOTA - CEB (30 MW)
GWh
0.0
3.2
4.1
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23


MATHUGAMA - CEB (20 MW)
GWh
6
2
3
1
1
0
0
0
0
0
0
0
0.0
0.1
0.3
1.5
2.4
JAN-22
FEB-22
MAR-22
APR-22
MAY-22
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23


KCCPS - 02 POWER STATION (163 MW)
GWh
73
61
69
30
28
21
0
0
0
0
0
0
0.0
0.0
0.0
0.0
6.0
JAN-22
FEB-22
MAR-...
APR-22
MAY-...
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-...
APR-23
MAY-...


WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)
GWh
124
132
131
68
43
37
100
54
46
6
0
44
55.8
75.3
139.0
147.4
99.5
JAN-22
FEB-22
MAR-...
APR-22
MAY-...
JUN-22
JUL-22
AUG-22
SEP-22
OCT-22
NOV-22
DEC-22
JAN-23
FEB-23
MAR-...
APR-23
MAY-...

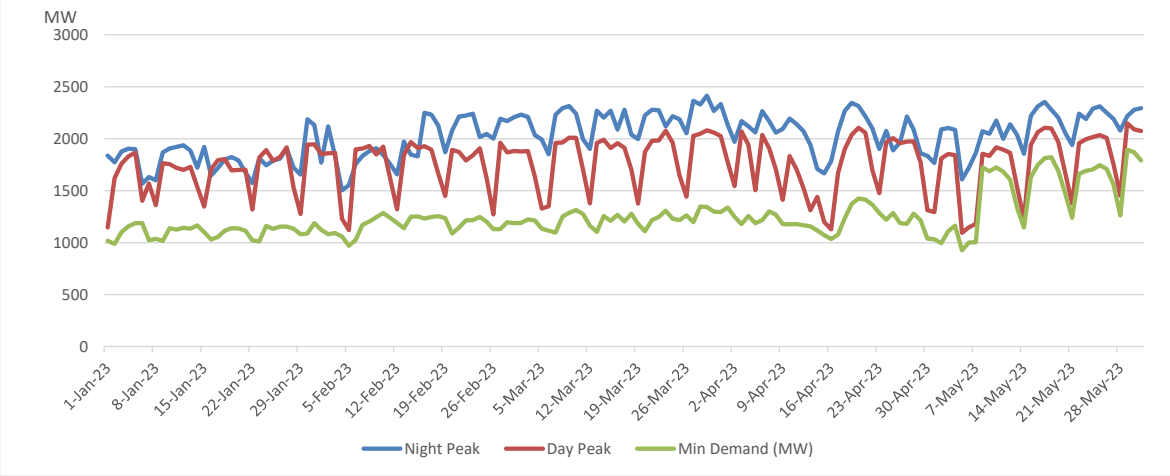
3 Peak Demand

During the month;

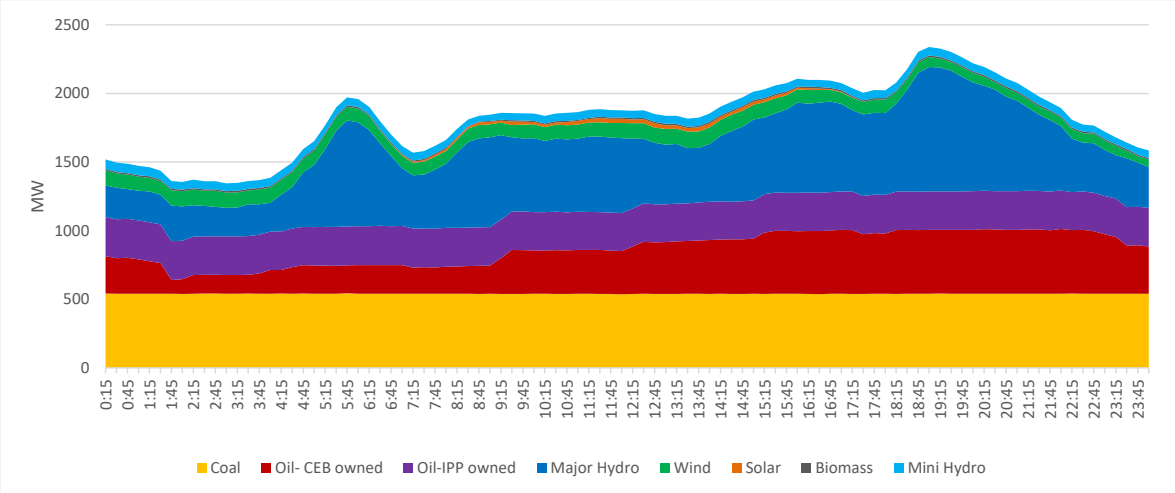
Highest Peak Demand	2,353	MW on	17-May
Lowest Peak Demand	1,609	MW on	5-May
Highest Day Peak Demand	2,149	MW on	29-May
Minimum Demand	926	MW on	5-May

*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

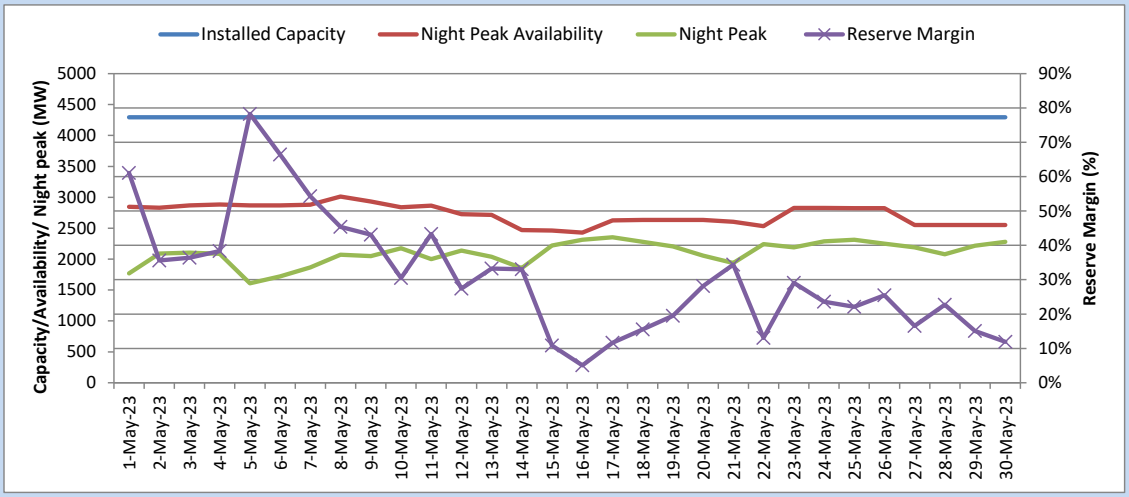
3.1 Demand Variation During the year



3.2 Load Curve of the Day with Highest Night Peak , 17-May



3.3 Variation of Reserve Margin During Night Peak

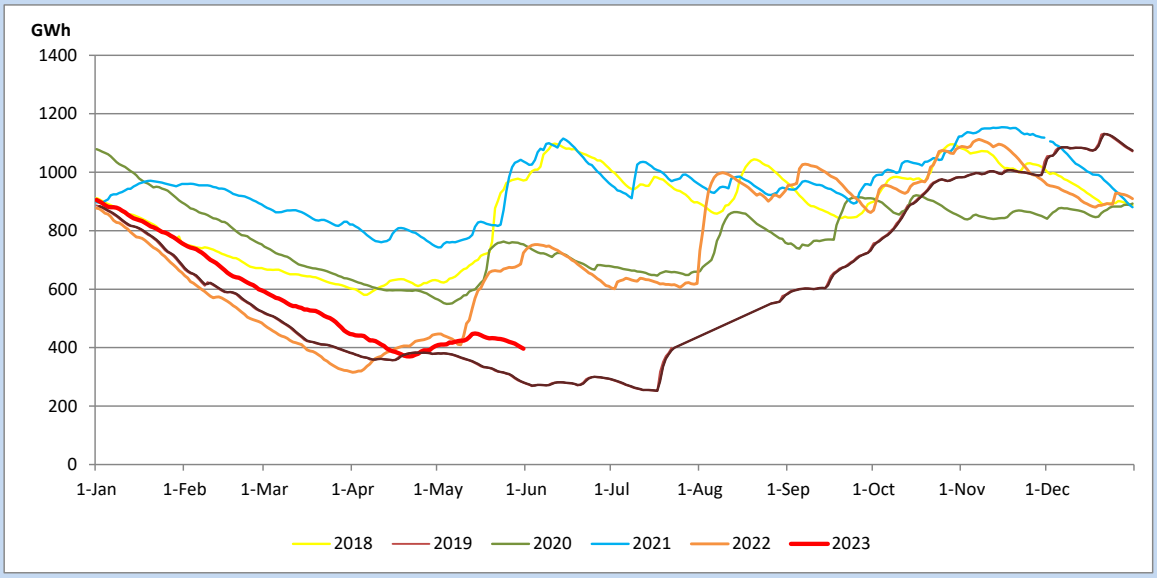


Note:Contribution from NCRE plants is not included

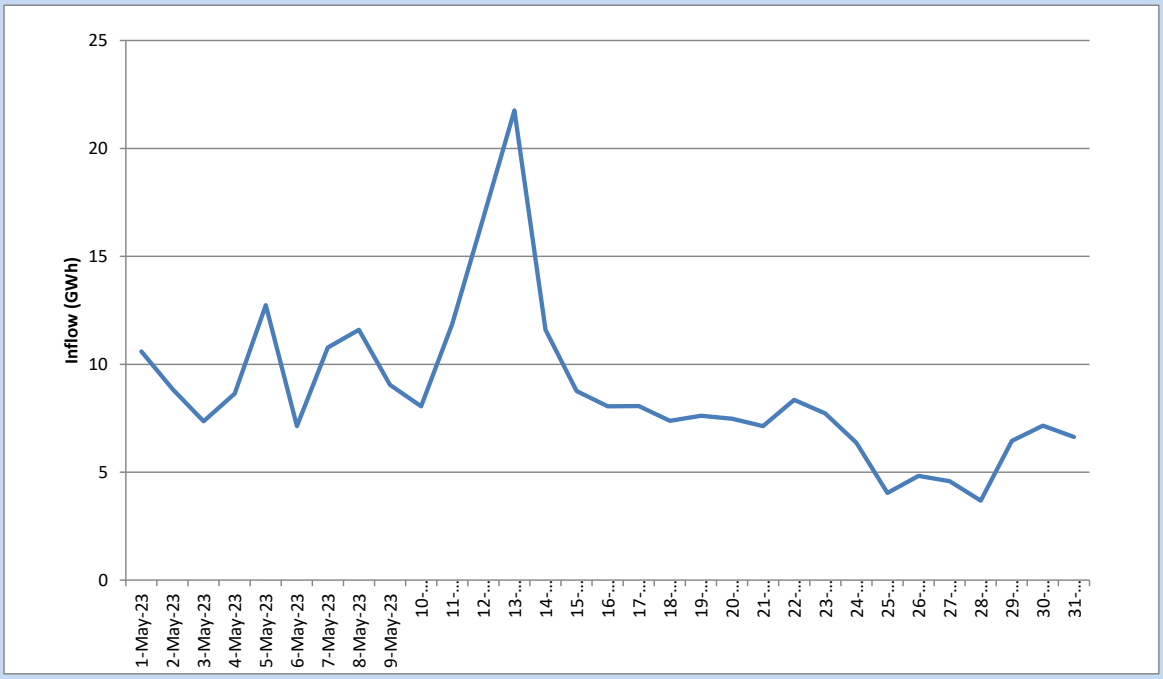
4 Reservoir Statistics

Total Reservoir level at the beginning of the month	404.7 GWh
Total Reservoir level at the end of the month	396.7 GWh
Total Inflow	271.1 GWh

4.1 Total Hydro Reservoir- Comparison with Past Years



4.2 System Inflow Variation during the month



4.3 Major Hydro Resrvoir Levels Variation during the year