Monthly Generation Report

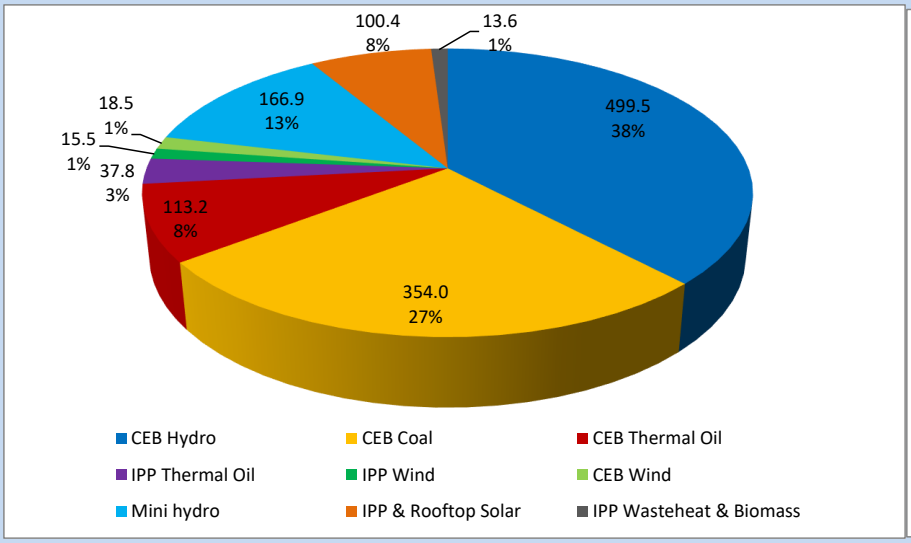
November-24

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

November-24



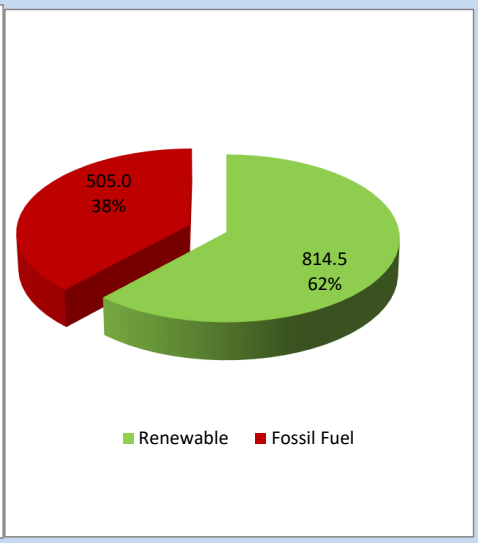


Table 01

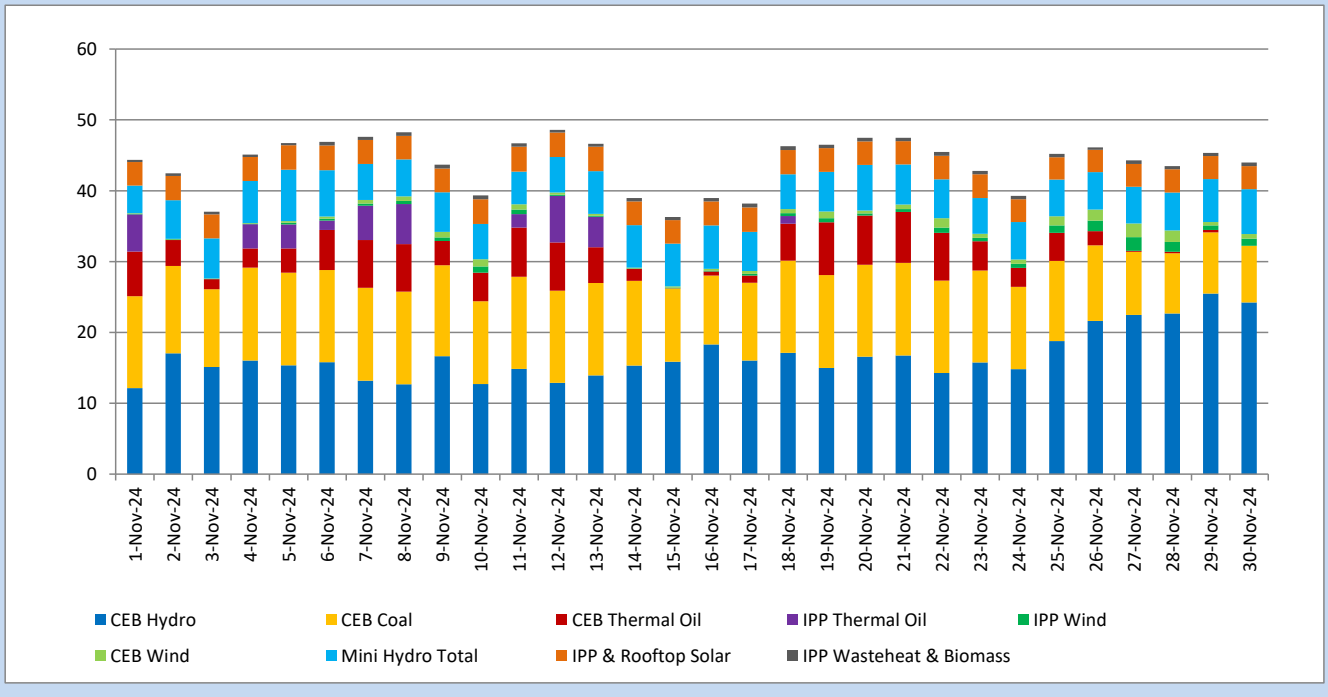
CEB Hydro	499	GWh
CEB Coal	354	GWh
CEB Thermal Oil	113	GWh
IPP Thermal Oil	38	GWh
IPP Wind	16	GWh
CEB Wind	19	GWh
Mini Hydro (Including non telemetered)	167	GWh
IPP Solar (Including estimated figures)	100	GWh
IPP Wasteheat + Biomass	14	GWh
Total Generation (Including estimated figures)	1,319	GWh

Total Generation = 1,319 GWh

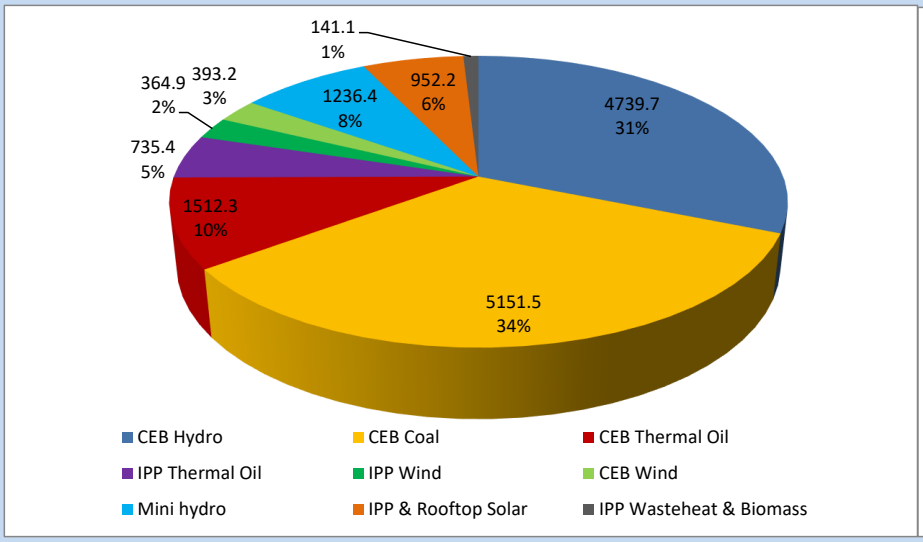
Total Estimated Unserved Energy duty power cut = 0 GWh

· 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



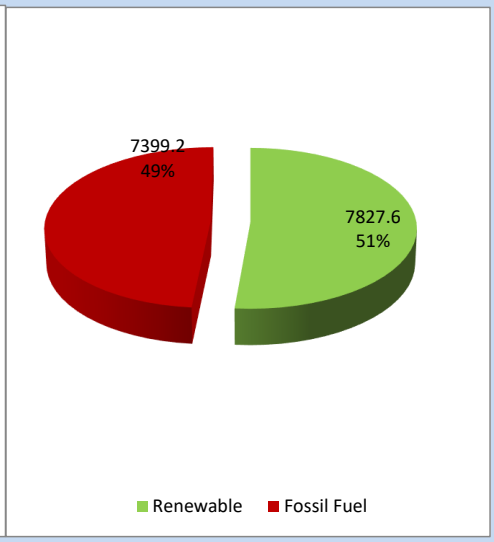


Table 02

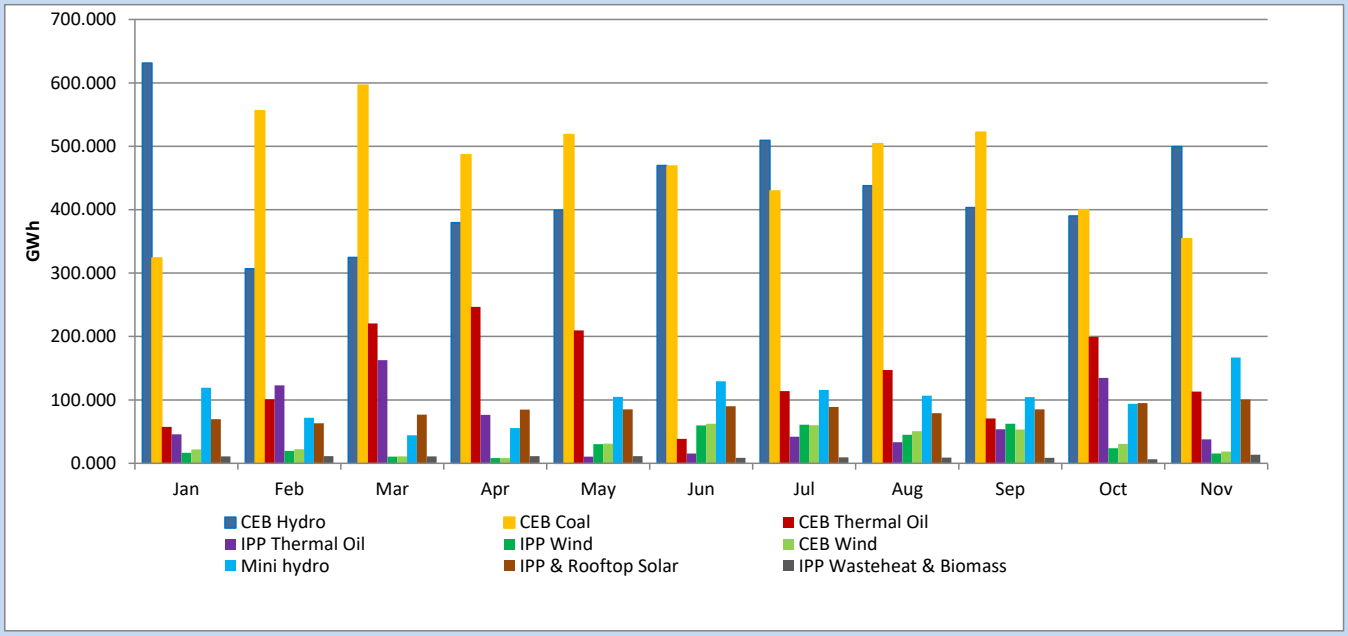
CEB Hydro	4,740	GWh
CEB Coal	5,151	GWh
CEB Thermal Oil	1,512	GWh
IPP Thermal Oil	735	GWh
IPP Wind	365	GWh
CEB Wind	393	GWh
Mini Hydro (Including non telemetered)	1,236	GWh
IPP Solar (Including estimated figures)	952	GWh
IPP Wasteheat + Biomass	141	GWh
Total Generation (Including estimated figures)	15,227	GWh

Table 03

	Installed Capacity (MW)
CEB Hydro	1531
CEB Coal	810
CEB Thermal Oil	771
IPP Thermal Oil (West Coast)	270
IPP Wind	163
CEB Wind	100
Mini Hydro	422
IPP Waste heat + Biomass	54
IPP Solar	137
Rooftop Solar* (Ordinary)	420
Rooftop Solar* (LT Bulk)	317
Rooftop Solar* (HT Bulk)	98
Rooftop Solar* (LECO)	245

Note - NCRE capacities were extracted from MRR June 2024

1.4 Variation of Monthly Generation Mix during the year



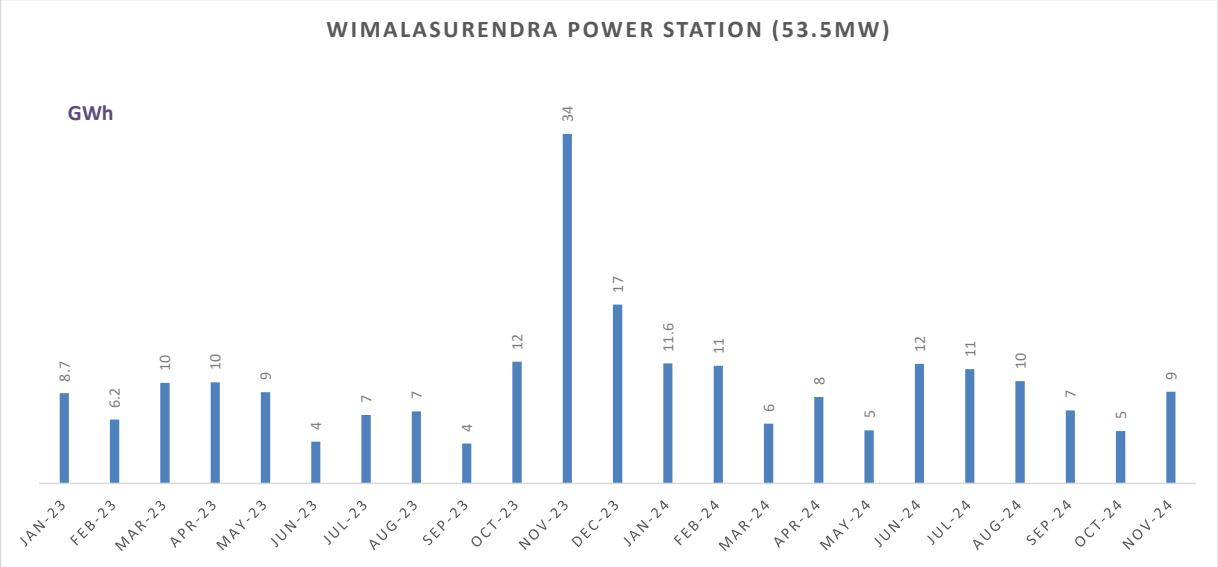
2 Major Plant Dispatch

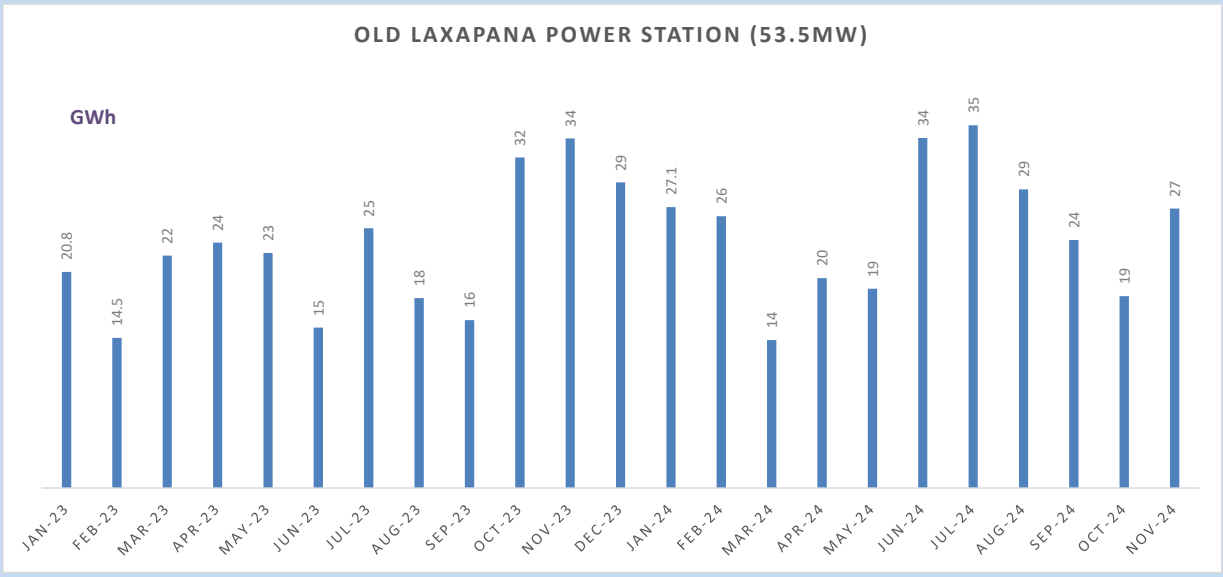
2.1 Dispatch from all Generation Major Plants in November-24

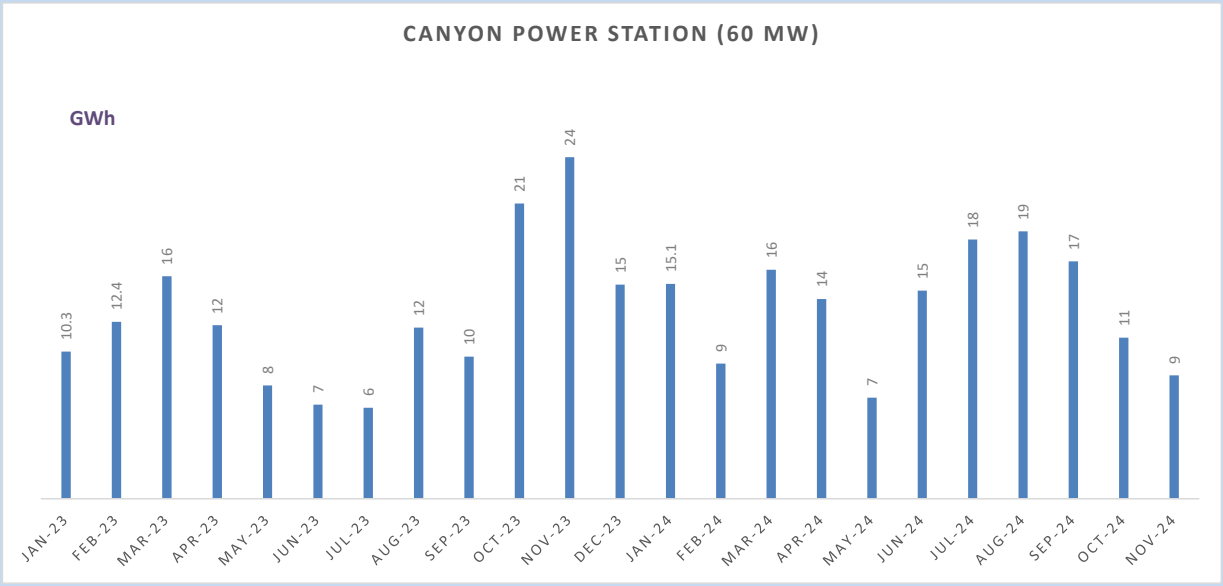
Table 04

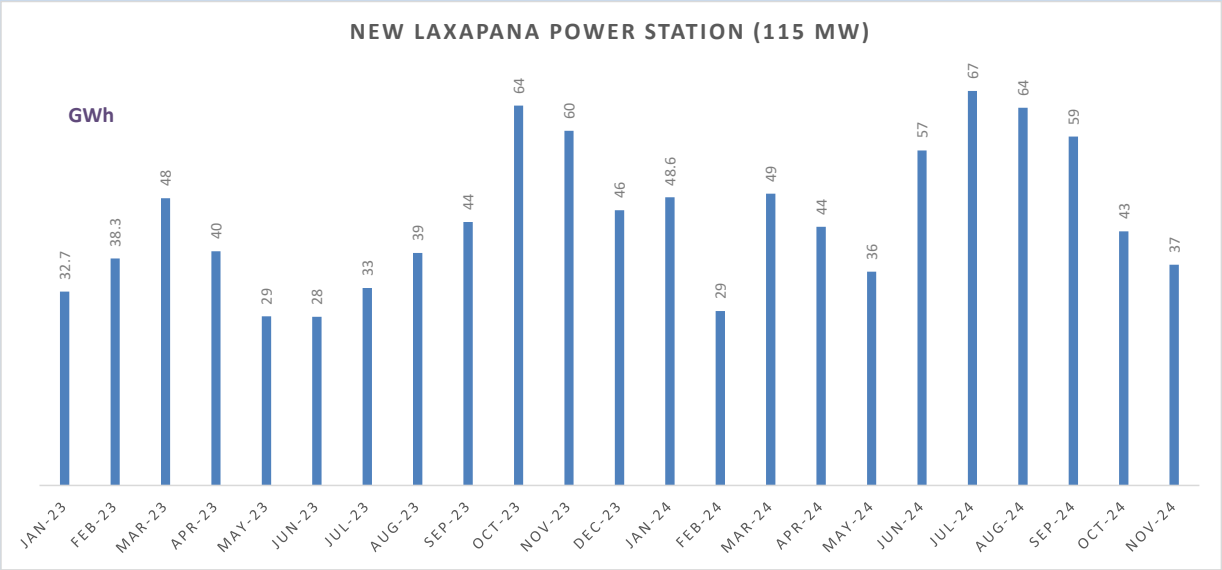
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	8,839	24.6%
Old Laxapana	54	26,966	69.4%
Canyon	60	8,675	20.1%
New Laxapana	100	37,274	51.8%
Polpitiya	90	37,730	58.2%
Broadlands	35	11,463	45.5%
Kotmale	201	53,560	37.0%
Victoria	210	65,398	43.3%
Randenigala	122	30,523	34.7%
Rantambe	50	15,857	44.0%
Ukuwela	40	20,856	72.4%
Bowatenna	40	12,941	44.9%
Upper Kotmale	150	53,912	49.9%
Nilambe	3	1,667	77.2%
Samanalawewa	120	14,400	16.7%
Kukule	75	46,614	86.3%
Inginiyagala	120	51,465	59.6%
Udawalawe	6	1,546	35.8%
Puttalam Coal I	270	0	0.0%
Puttalam Coal II	270	175,796	90.4%
Puttalam Coal III	270	176,997	91.0%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	165	59,482	50.1%
Sapugaskanda A	64	12,635	27.4%
Sapugaskanda B	72	15,793	30.5%
Uthura Janani	24	5,524	32.0%
Barge CEB	60	19,245	44.5%
CEB - Hambantota	24	73	0.4%
CEB - Mathugama	16	46	0.4%
KCCPS -2	163	0	0.0%
West Coast	270	37,768	19.4%

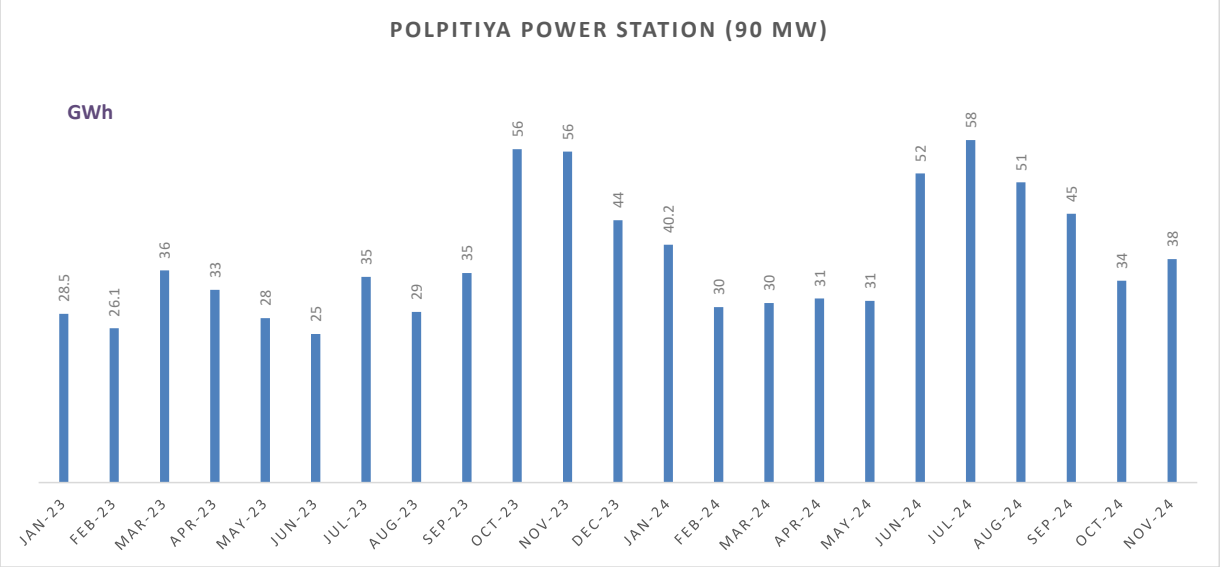
2.3 Generation of Major Power Plants From Last Year








NEW LAXAPANA POWER STATION (115 MW)
GWh
32.7
38.3
48
40
29
28
33
39
44
64
60
46
48.6
29
49
44
36
57
67
64
59
43
37
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


POLPITIYA POWER STATION (90 MW)
GWh
28.5
26.1
36
33
28
25
35
29
35
56
56
44
40.2
30
30
31
31
52
58
51
45
34
38
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
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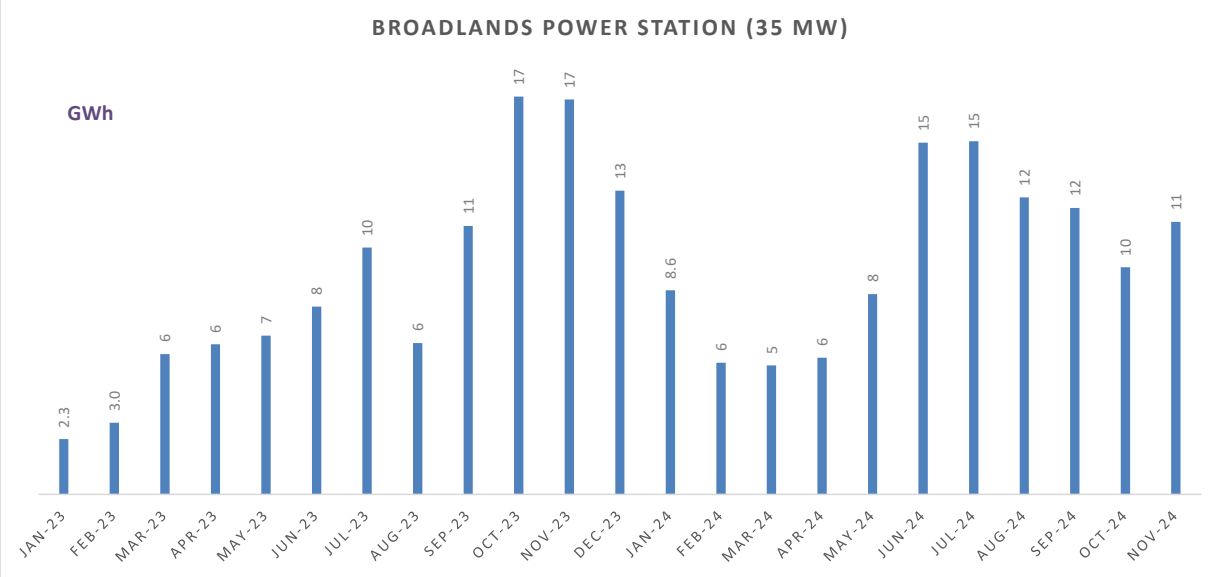
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


BROADLANDS POWER STATION (35 MW)
GWh
2.3
3.0
6
6
7
8
10
6
11
17
17
13
8.6
6
5
6
8
15
15
12
12
10
11
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
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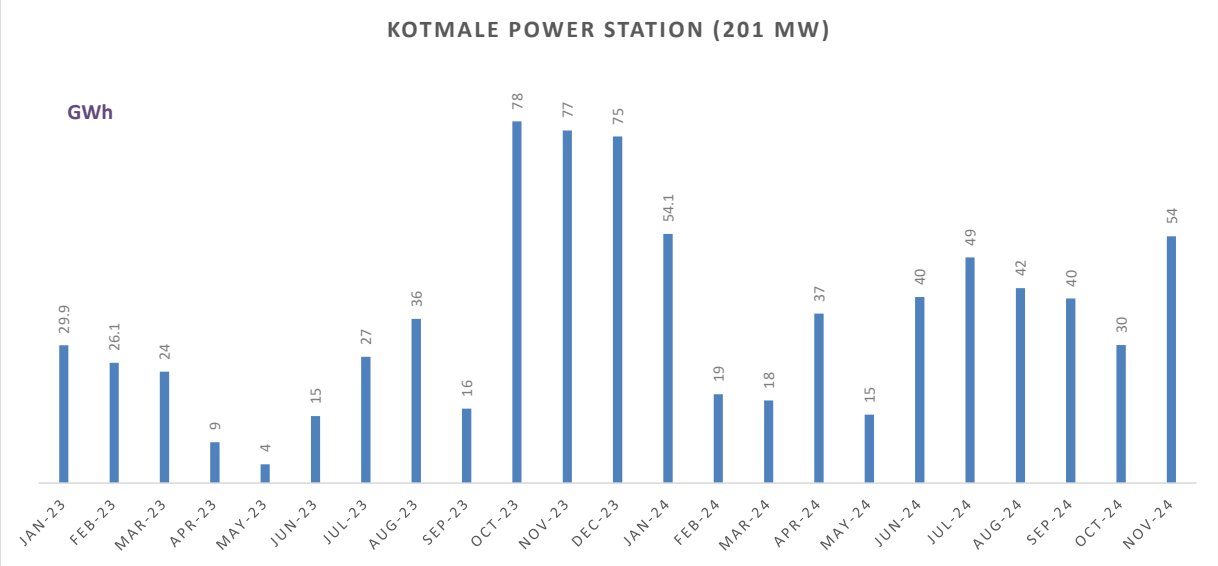
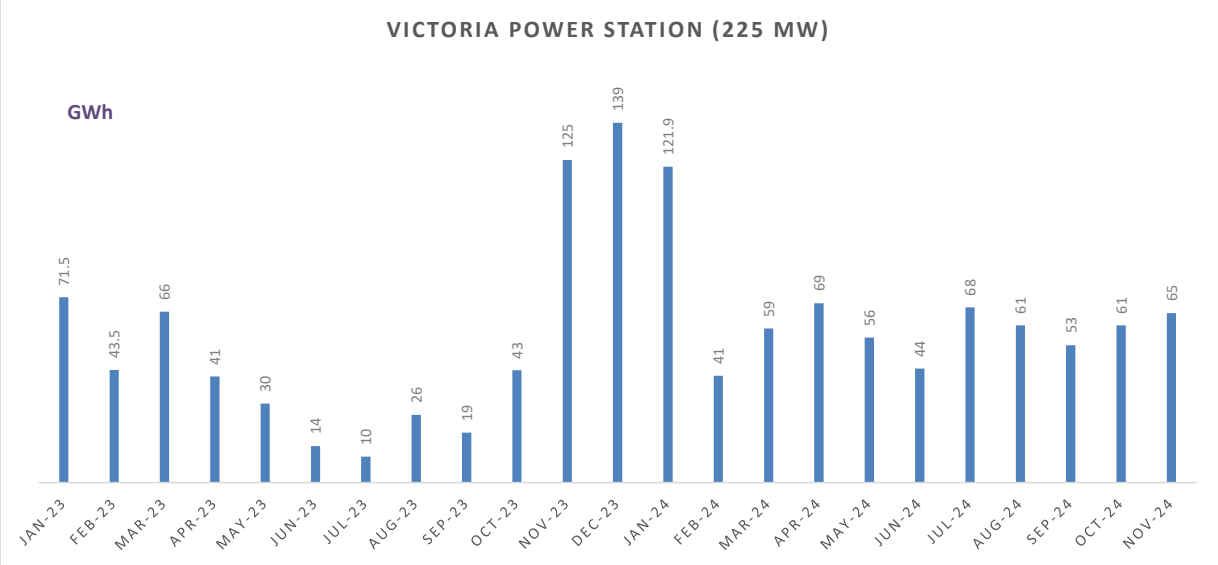
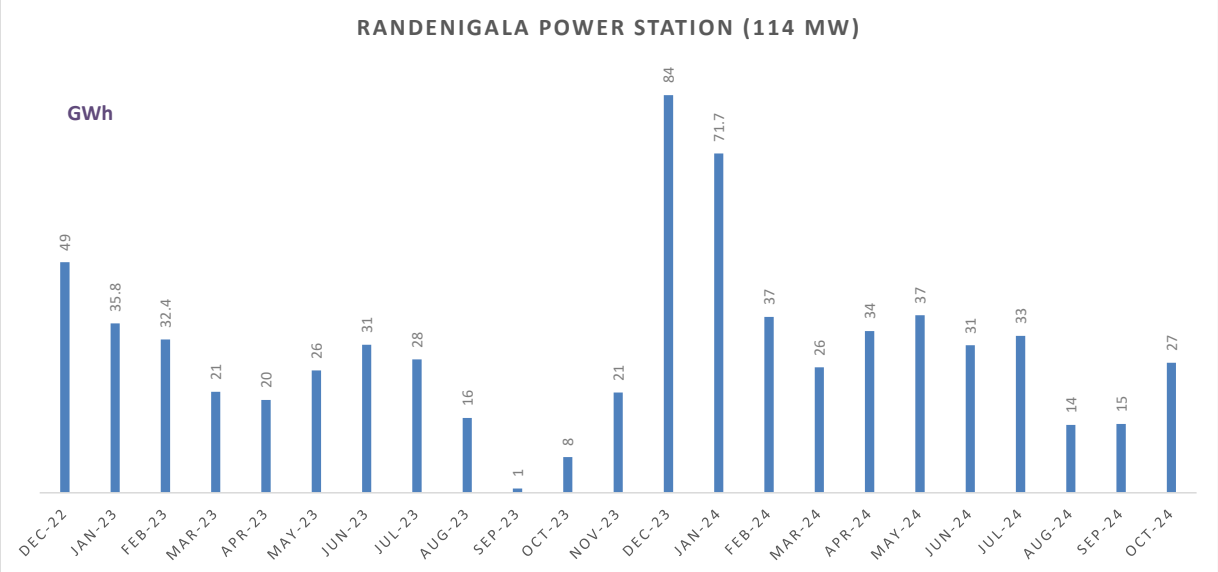
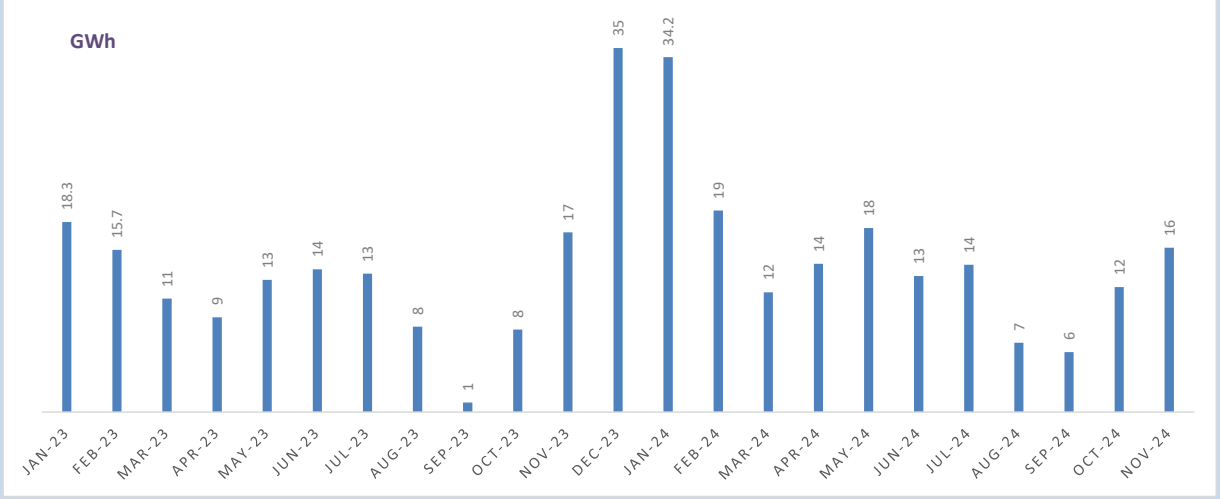
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


KOTMALE POWER STATION (201 MW)
GWh
29.9
26.1
24
9
4
15
27
36
16
78
77
75
54.1
19
18
37
15
40
49
42
40
30
54
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24

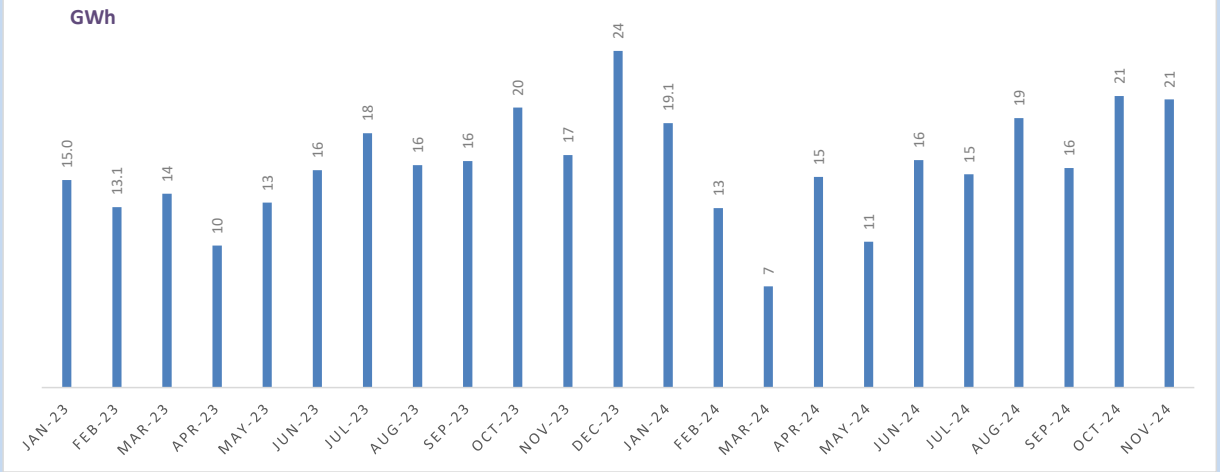

VICTORIA POWER STATION (225 MW)
GWh
71.5
43.5
66
41
30
14
10
26
19
43
125
139
121.9
41
59
69
56
44
68
61
53
61
65
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


RANDENIGALA POWER STATION (114 MW)
GWh
49
35.8
32.4
21
20
26
31
28
16
1
8
21
84
71.7
37
26
34
37
31
33
14
15
27
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24

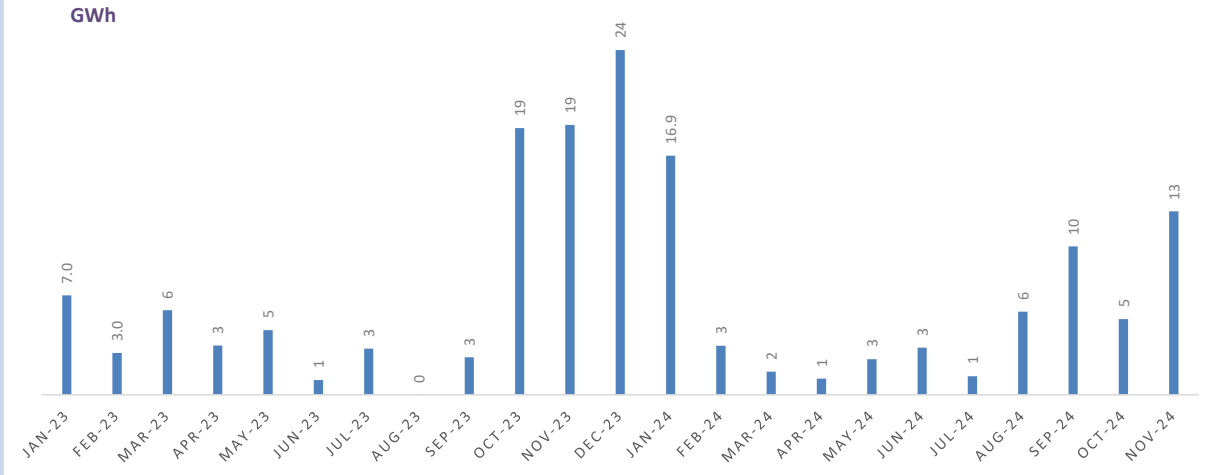
RANTAMBE POWER STATION (50 MW)



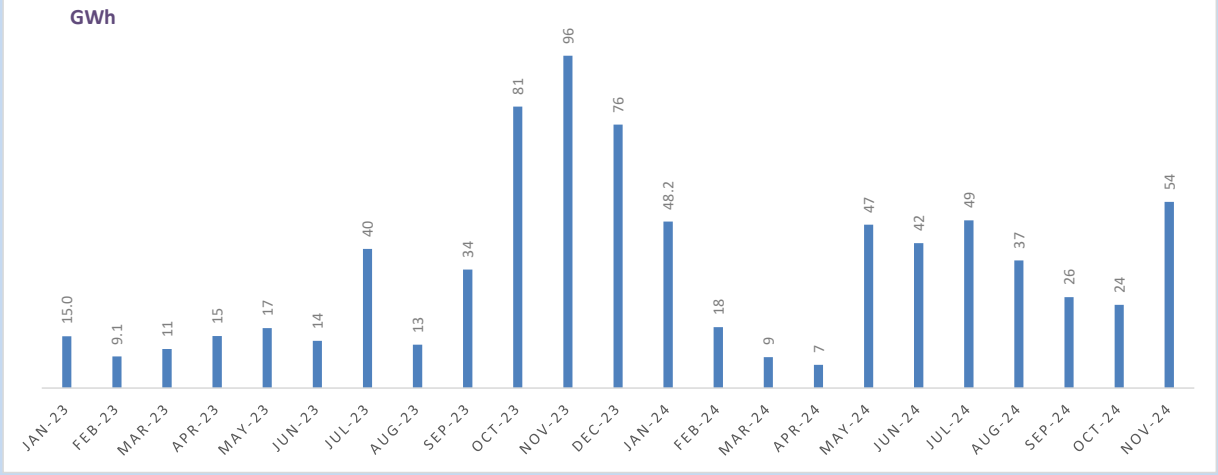
UKUWELA POWER STATION (37 MW)



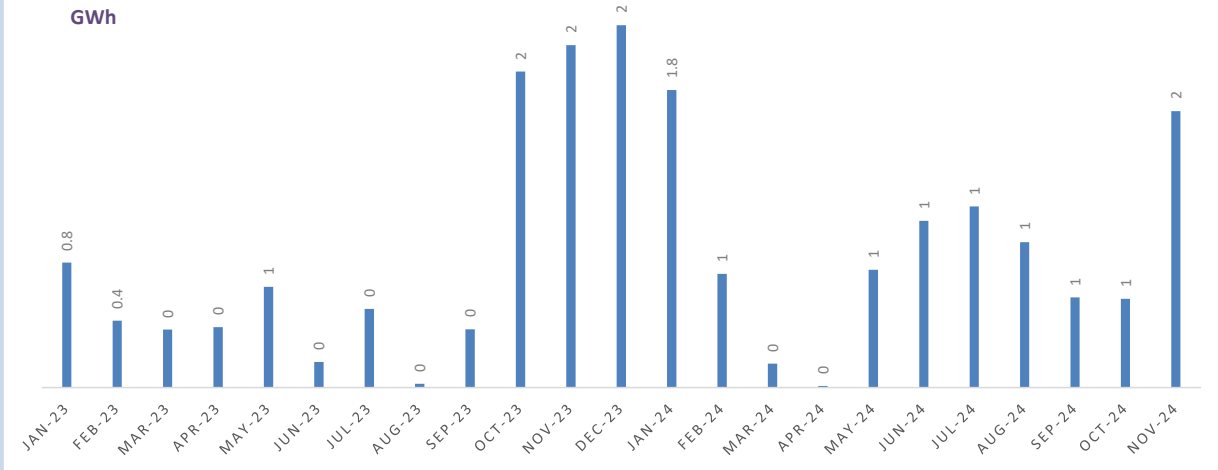
BOWATHENNA POWER STATION (40 MW)



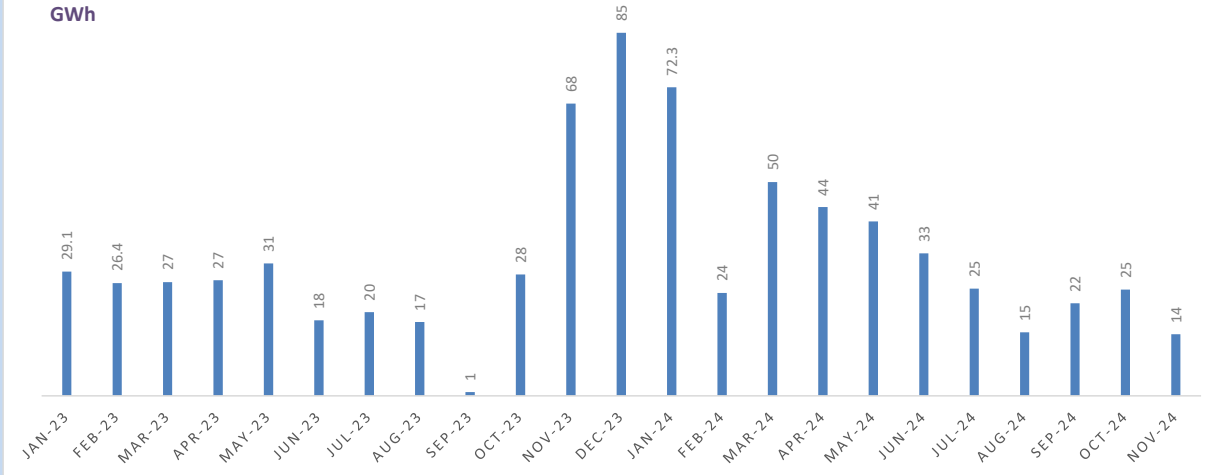
UPPER KOTMALE POWER STATION (150 MW)



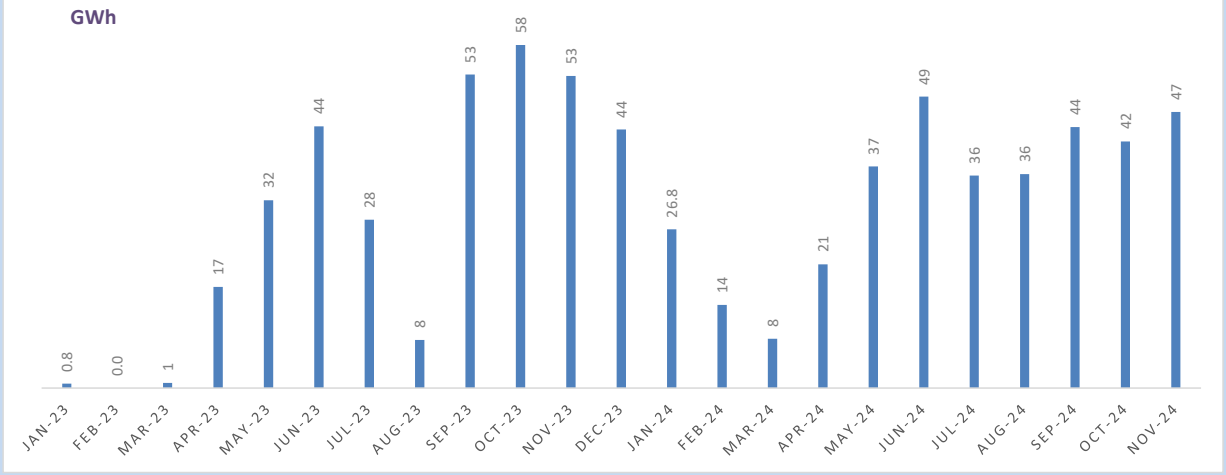
NILLAMBE POWER STATION (3 MW)



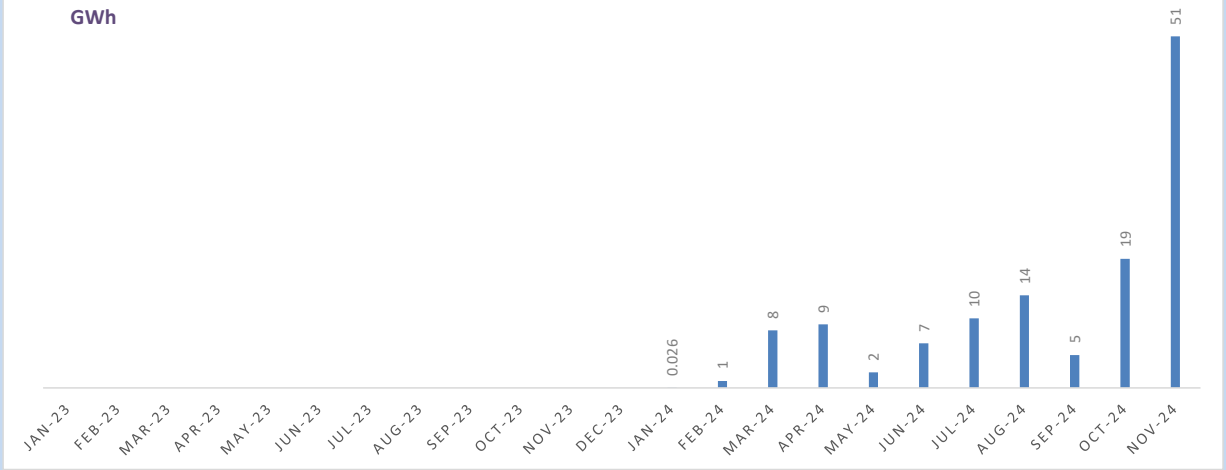
SAMANALAWEWA POWER STATION (120 MW)



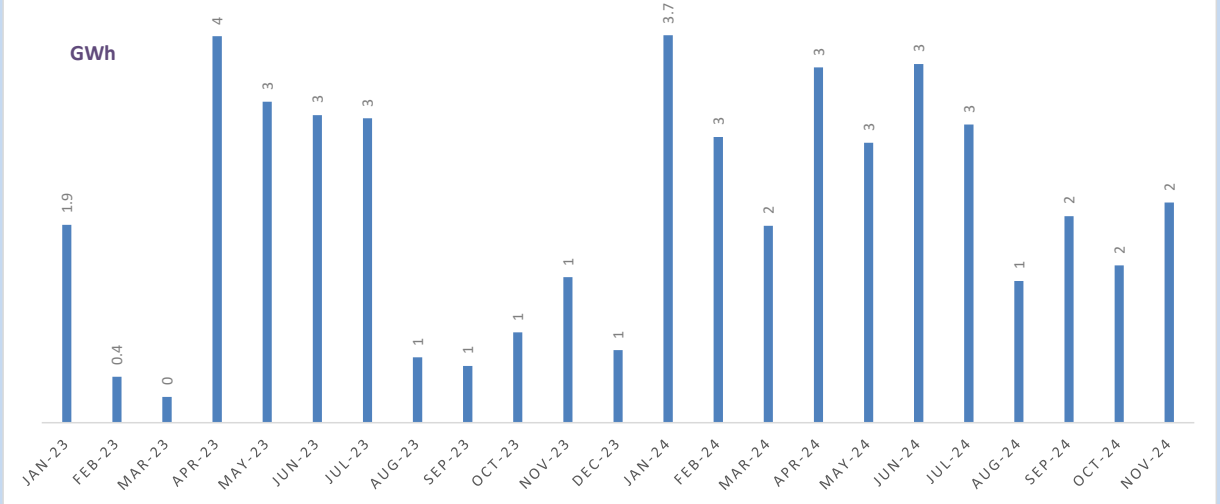
KUKULE POWER STATION (75 MW)

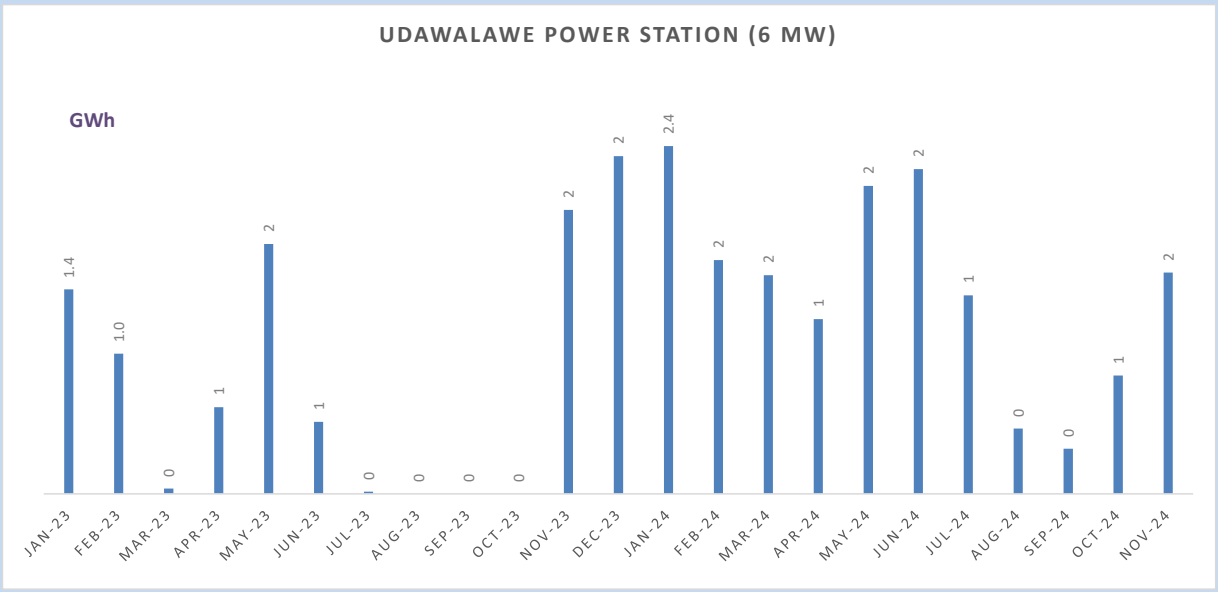


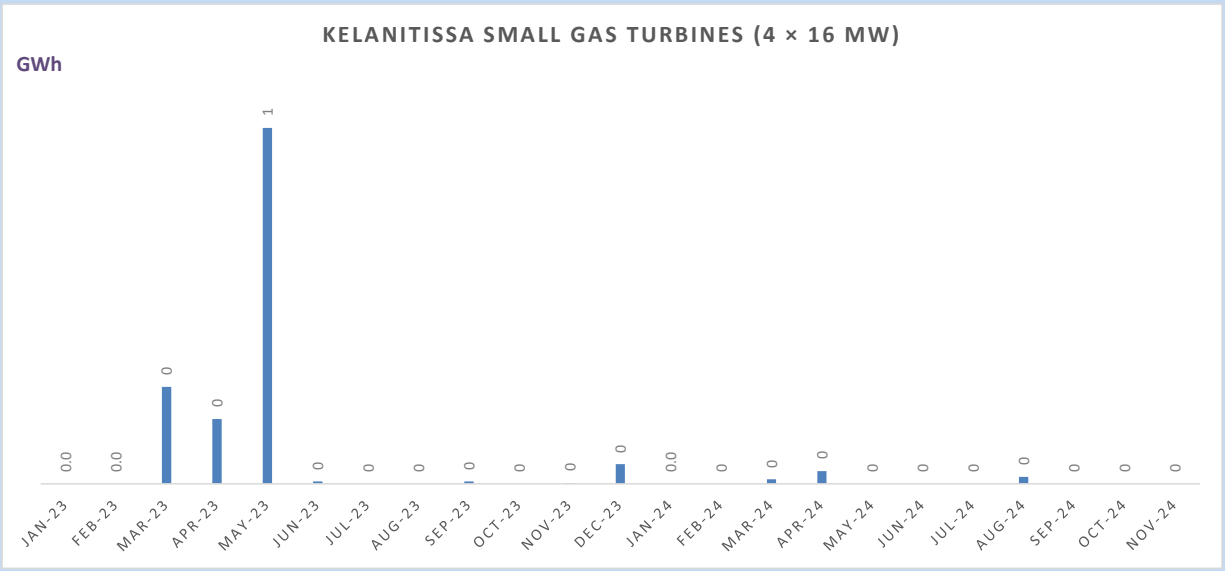
UMA OYA POWER STATION (150 MW)



INGINIYAGALA POWER STATION (11 MW)




UDAWALAWE POWER STATION (6 MW)
GWh
1.4
1.0
0
1
2
1
0
0
0
0
2
2
2.4
2
2
1
2
2
1
0
0
1
2
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


KELANITISSA SMALL GAS TURBINES (4 × 16 MW)
GWh
0.0
0.0
0
0
1
0
0
0
0
0
0
0
0.0
0
0
0
0
0
0
0
0
0
0
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
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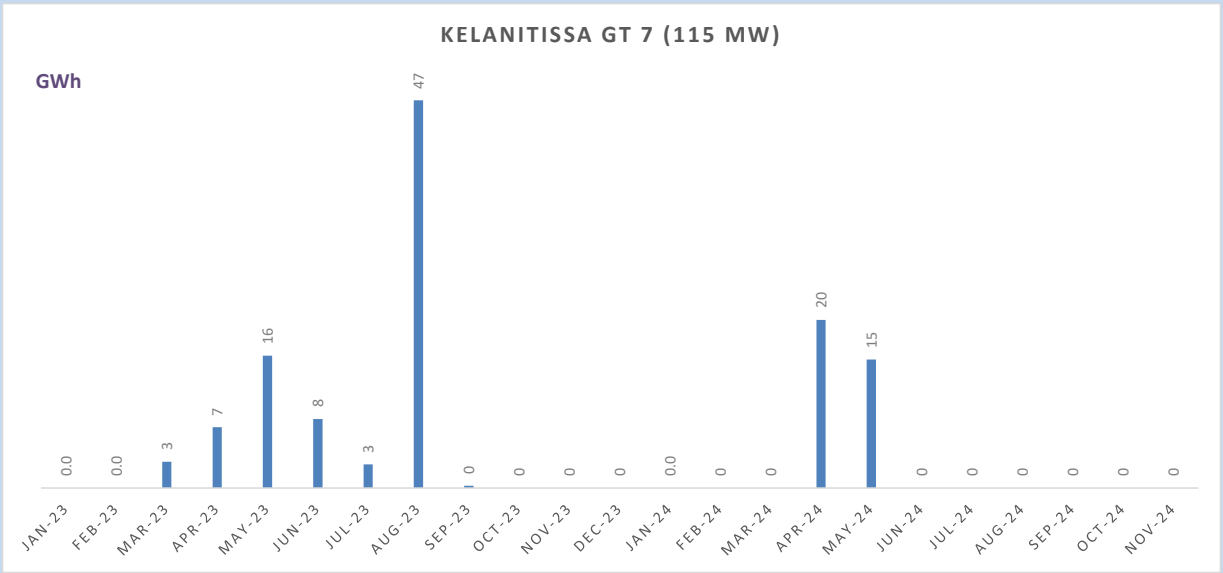
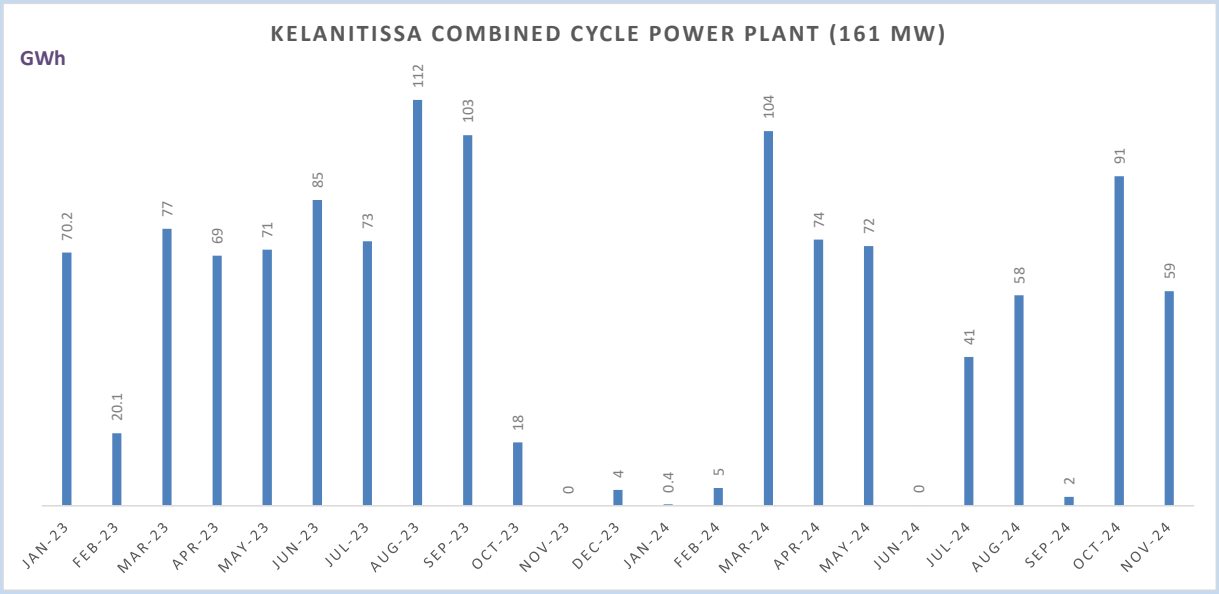
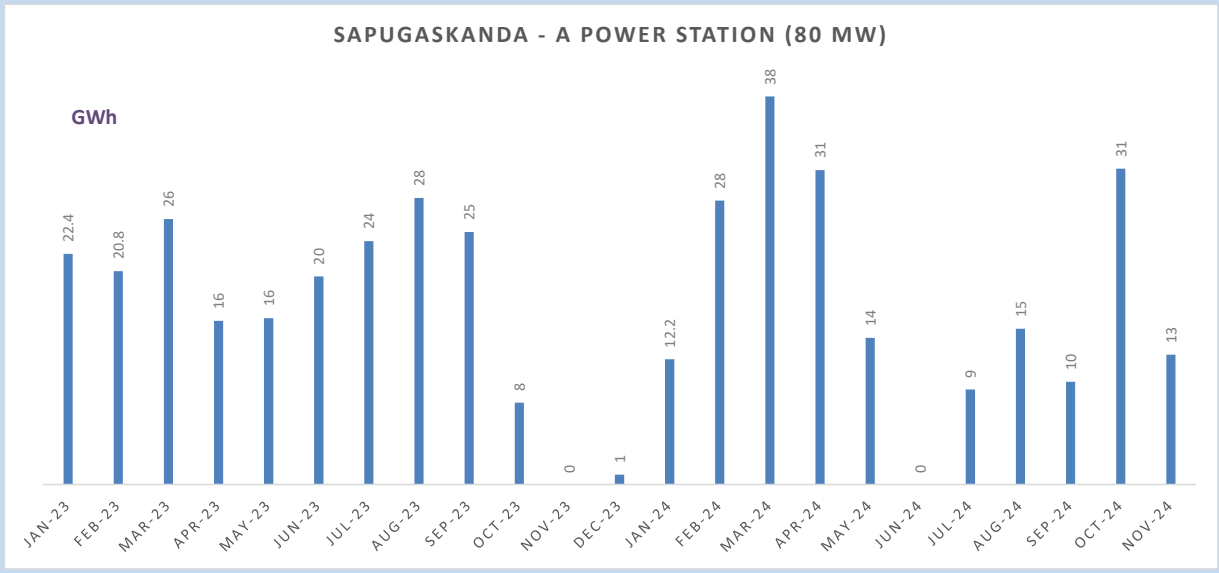
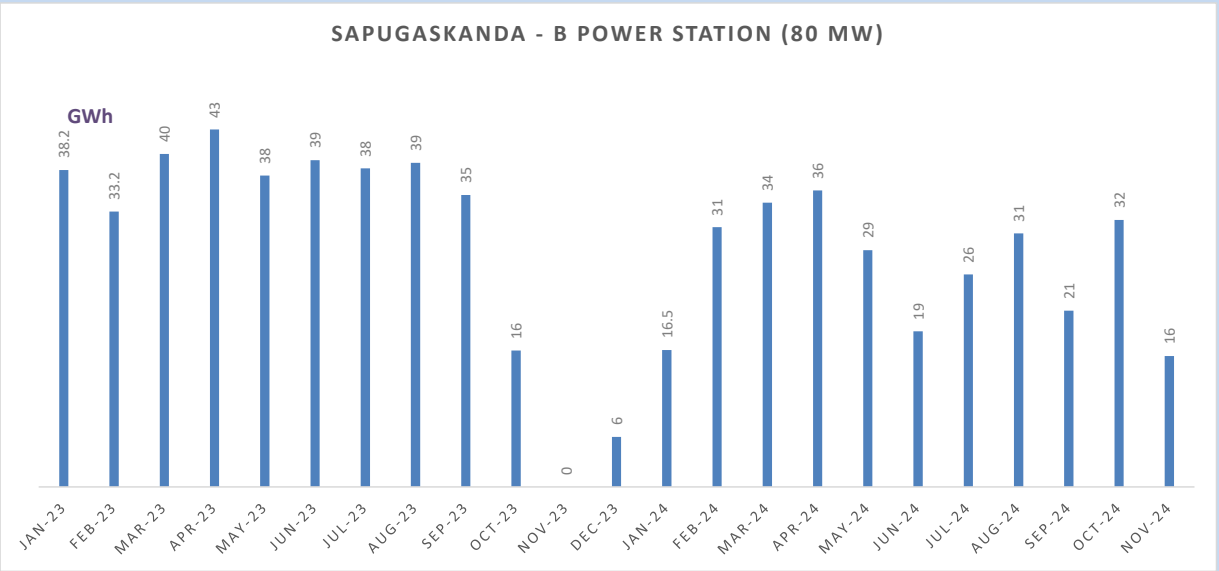
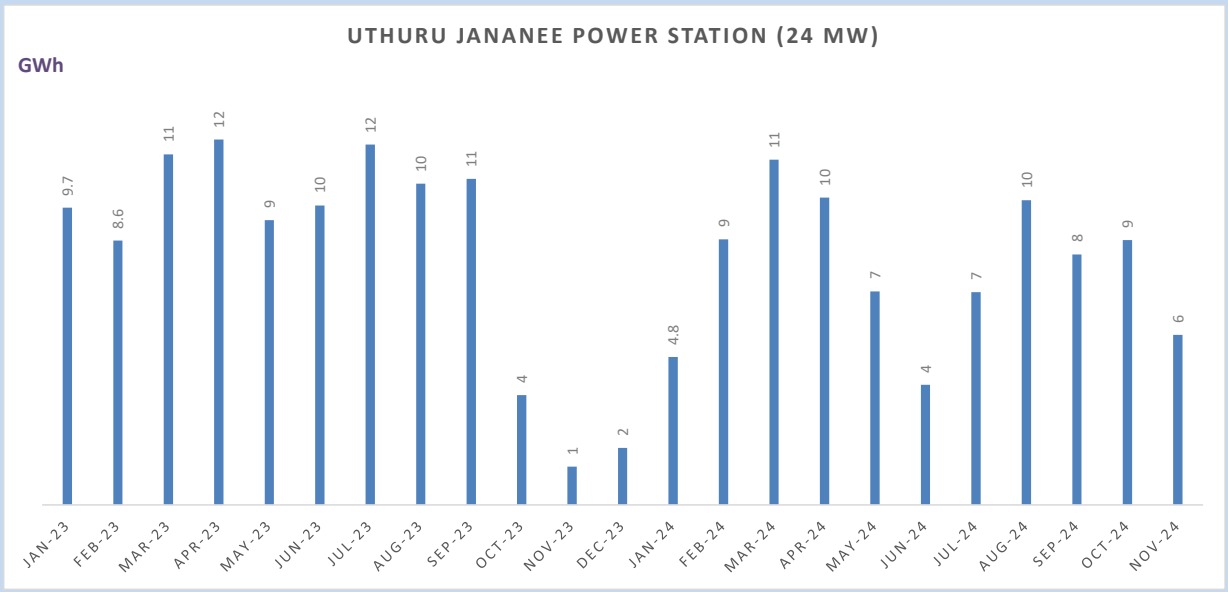
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


KELANITISSA GT 7 (115 MW)
GWh
0.0
0.0
3
7
16
8
3
47
0
0
0
0
0.0
0
0
20
15
0
0
0
0
0
0
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)
GWh
70.2
20.1
77
69
71
85
73
112
103
18
0
4
0.4
5
104
74
72
0
41
58
2
91
59
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


SAPUGASKANDA - A POWER STATION (80 MW)
GWh
22.4
20.8
26
16
16
20
24
28
25
8
0
1
12.2
28
38
31
14
0
9
15
10
31
13
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


SAPUGASKANDA - B POWER STATION (80 MW)
GWh
38.2
33.2
40
43
38
39
38
39
35
16
0
6
16.5
31
34
36
29
19
26
31
21
32
16
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


UTHURU JANANEE POWER STATION (24 MW)
GWh
9.7
8.6
11
12
9
10
12
10
11
4
1
2
4.8
9
11
10
7
4
7
10
8
9
6
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
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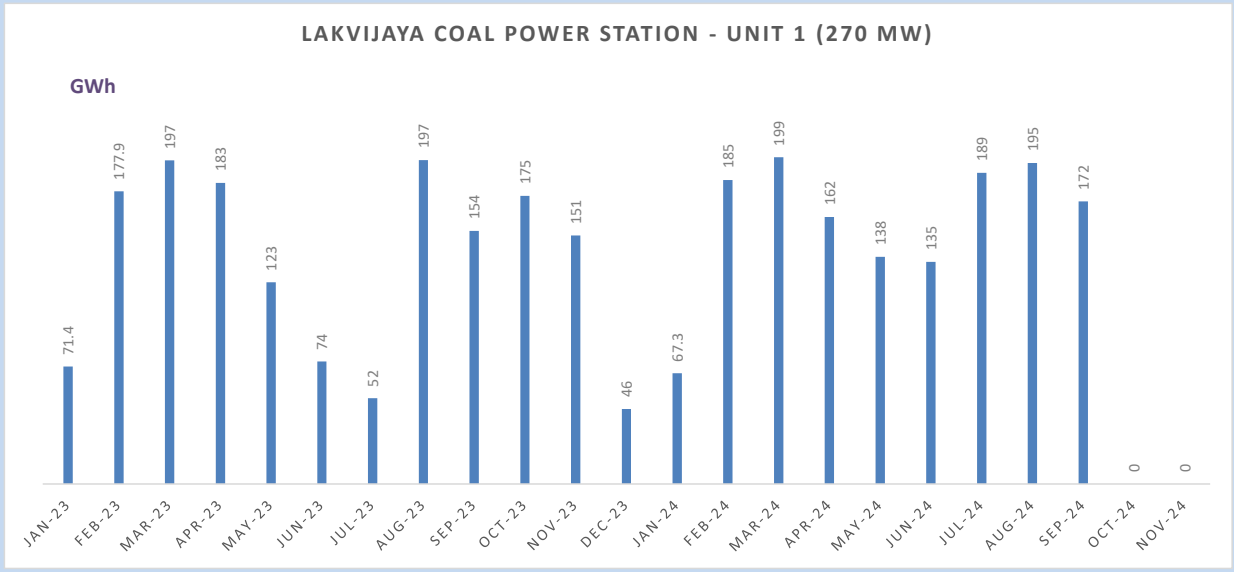
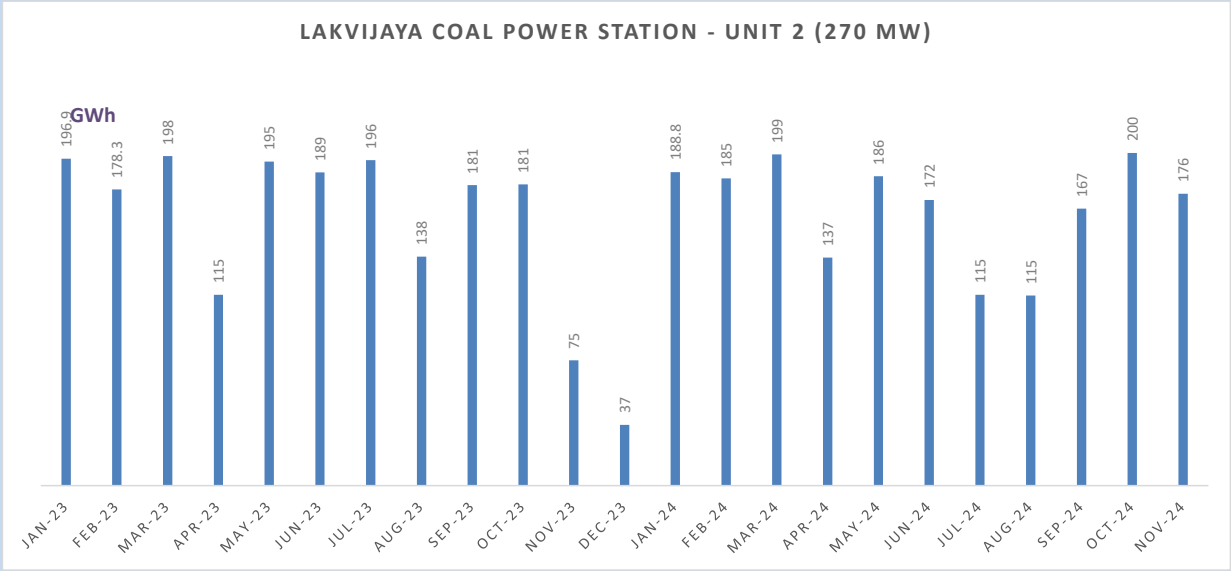
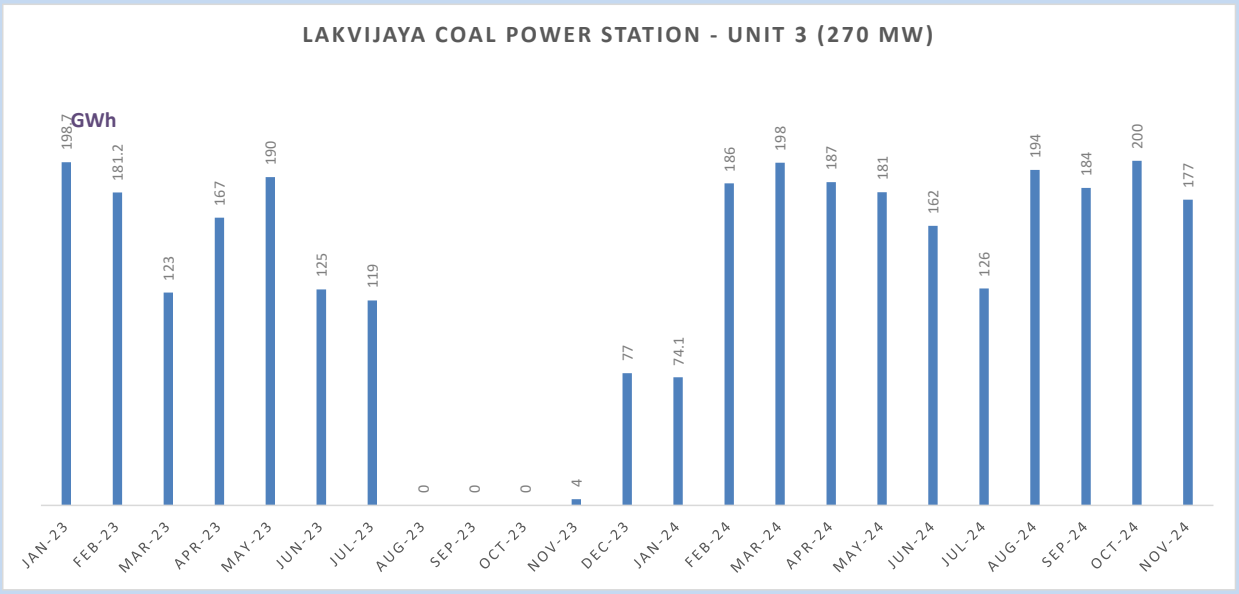
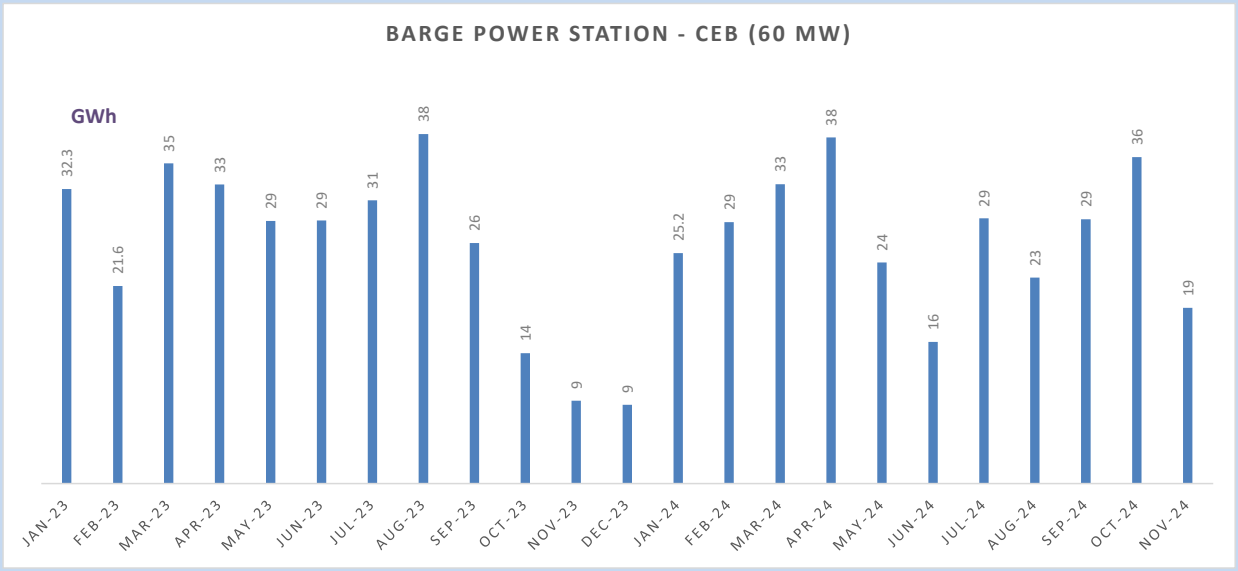
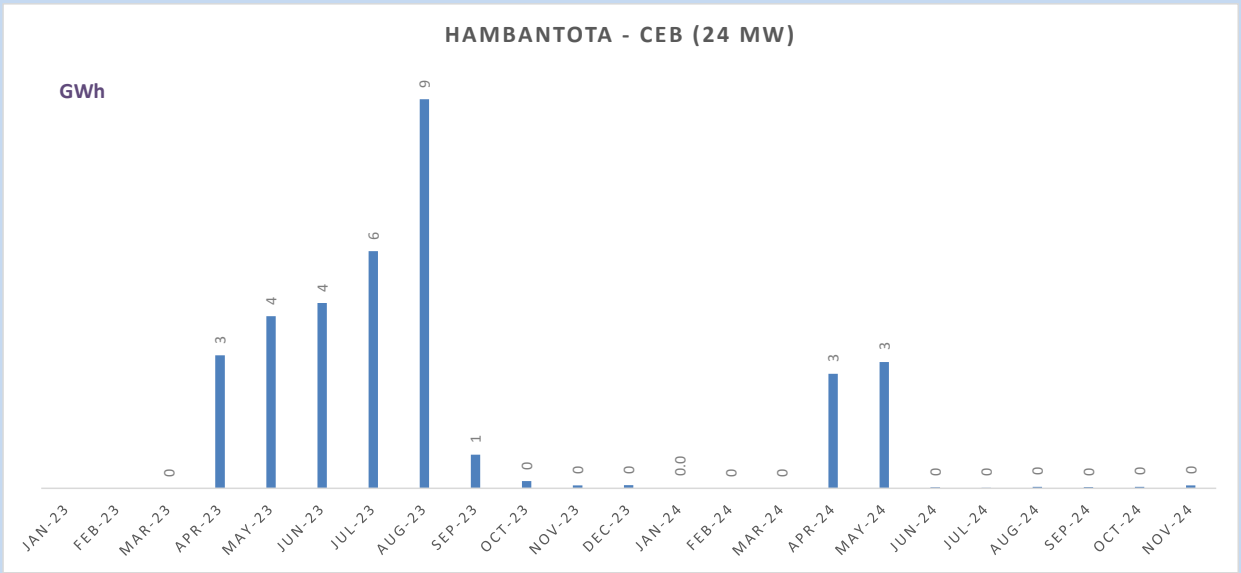
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)
GWh
71.4
177.9
197
183
123
74
52
197
154
175
151
46
67.3
185
199
162
138
135
189
195
172
0
0
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)
GWh
196.9
178.3
198
115
195
189
196
138
181
181
75
37
188.8
185
199
137
186
172
115
115
167
200
176
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)
GWh
198.7
181.2
123
167
190
125
119
0
0
0
4
77
74.1
186
198
187
181
162
126
194
184
200
177
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


BARGE POWER STATION - CEB (60 MW)
GWh
32.3
21.6
35
33
29
29
31
38
26
14
9
9
25.2
29
33
38
24
16
29
23
29
36
19
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


HAMBANTOTA - CEB (24 MW)
GWh
0
3
4
4
6
9
1
0
0
0
0.0
0
0
3
3
0
0
0
0
0
0
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
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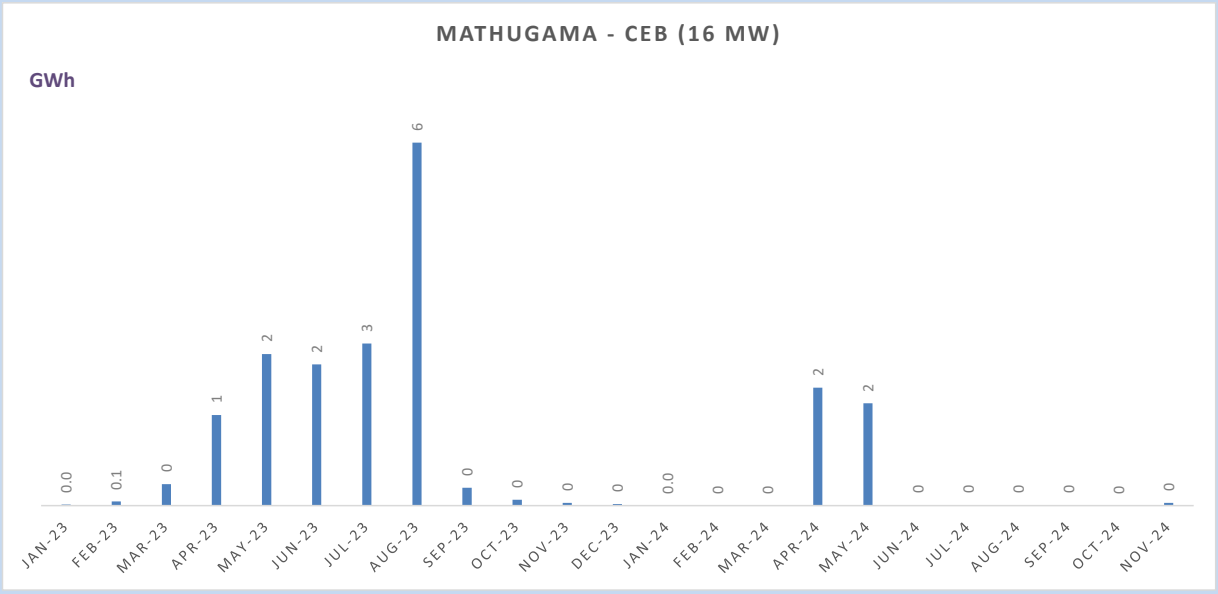
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


MATHUGAMA - CEB (16 MW)
GWh
0.0
0.1
0
1
2
2
3
6
0
0
0
0
0.0
0
0
2
2
0
0
0
0
0
0
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
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SEP-24
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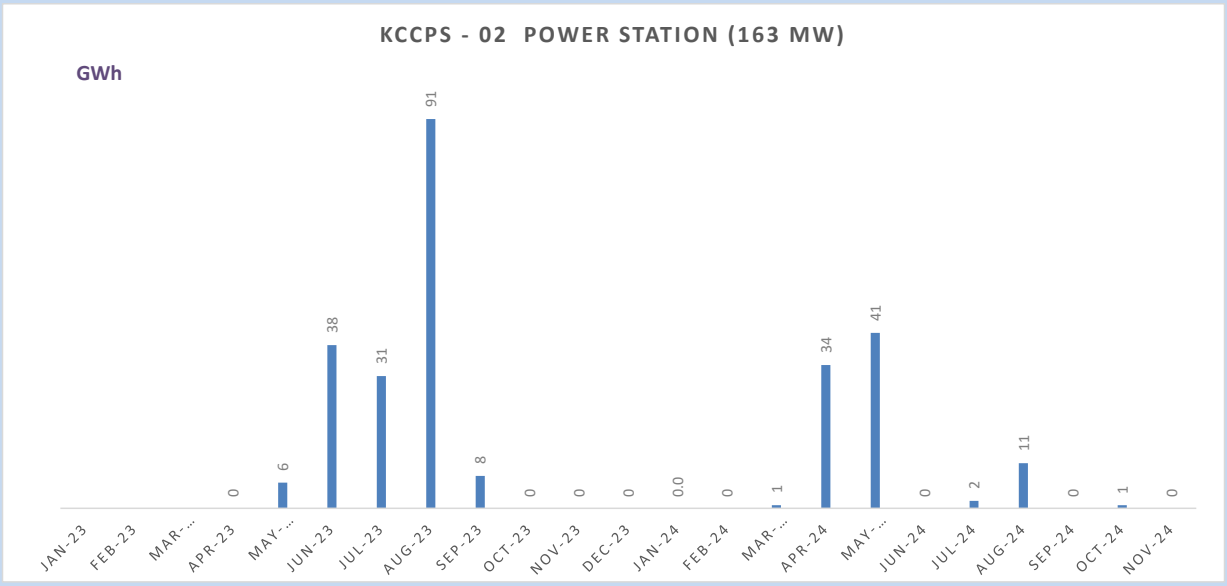
NOV-24


KCCPS - 02 POWER STATION (163 MW)
GWh
0
6
38
31
91
8
0
0
0
0.0
0
1
34
41
0
2
11
0
1
0
JAN-23
FEB-23
MAR-...
APR-23
MAY-...
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-...
APR-24
MAY-...
JUN-24
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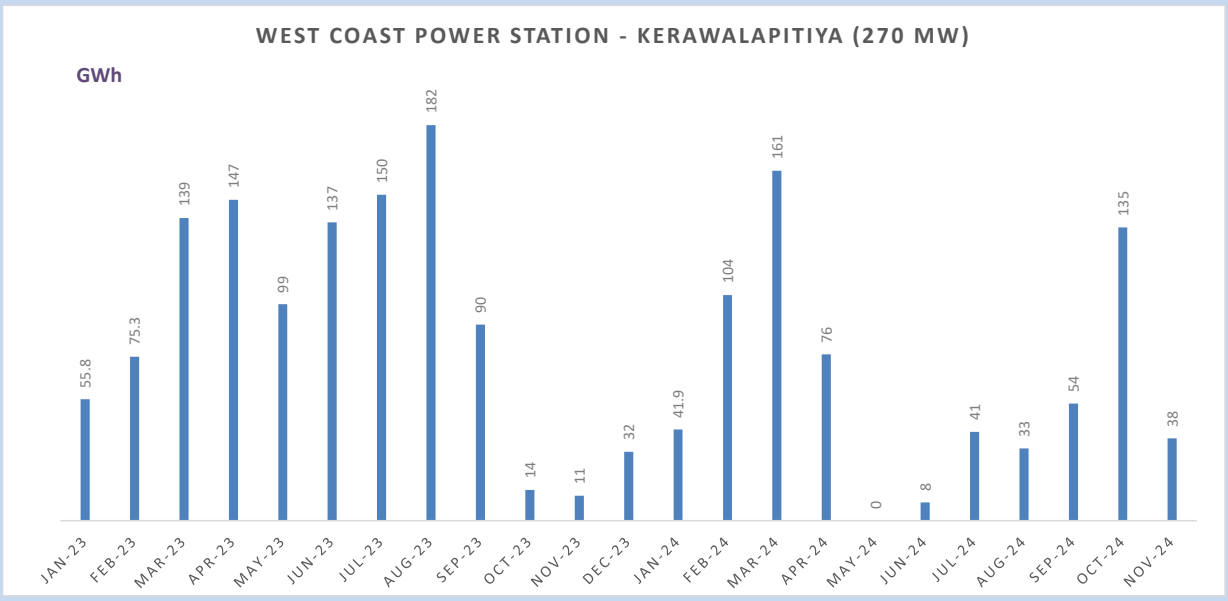
SEP-24
OCT-24
NOV-24


WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)
GWh
55.8
75.3
139
147
99
137
150
182
90
14
11
32
41.9
104
161
76
0
8
41
33
54
135
38
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
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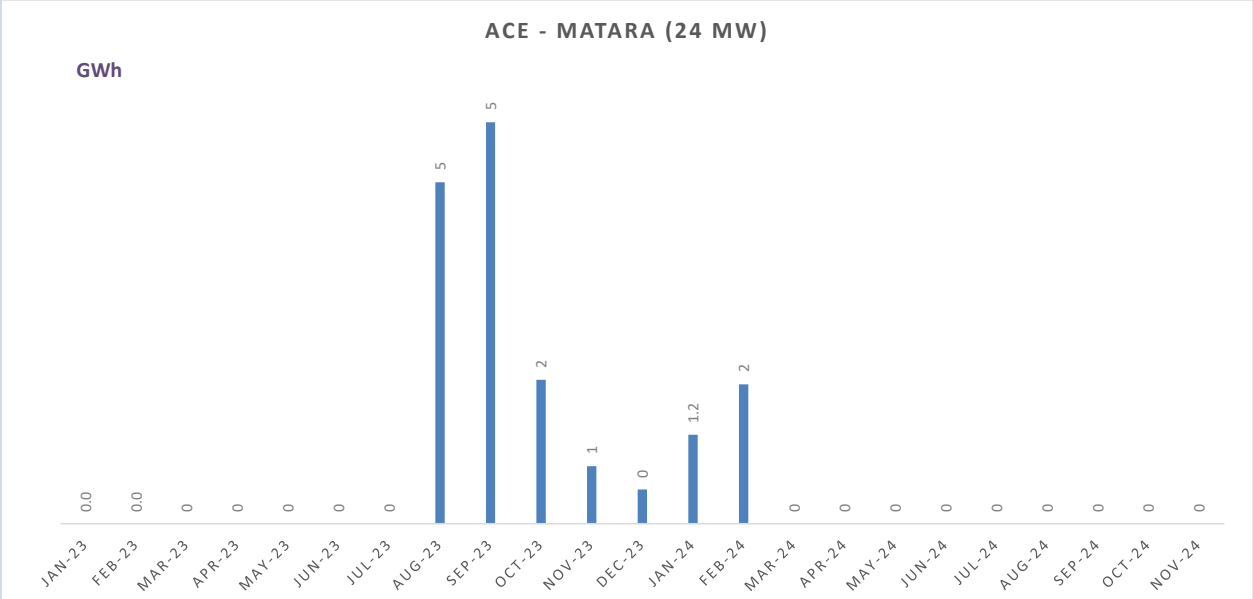
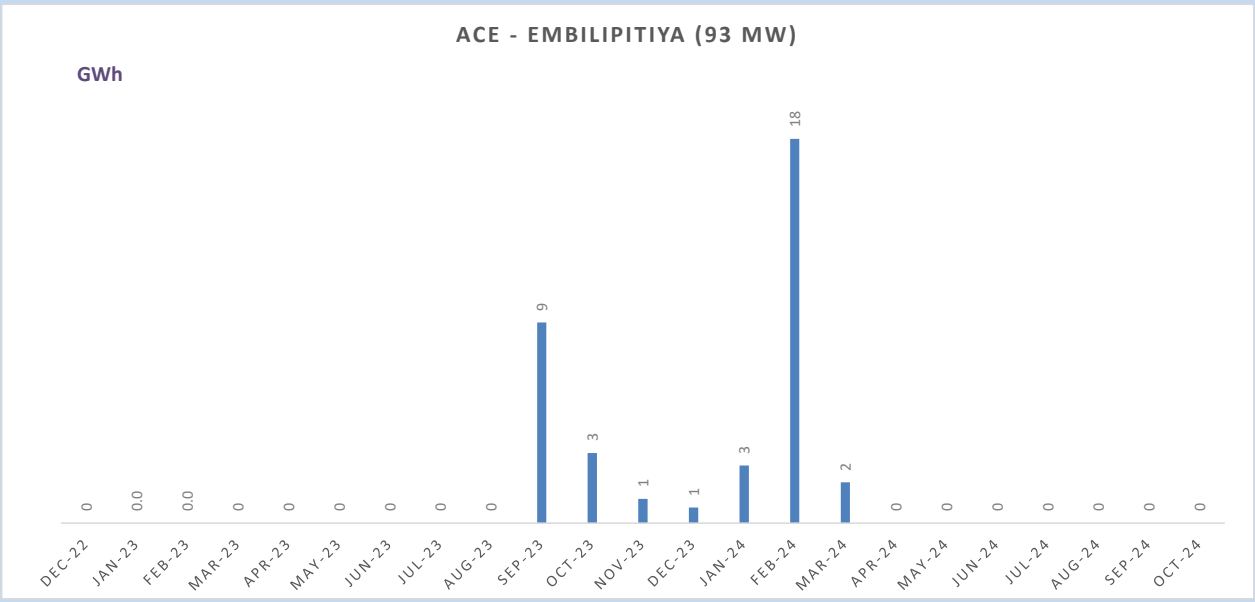
OCT-24
NOV-24


ACE - MATARA (24 MW)
GWh
0.0
0.0
0
0
0
0
0
5
5
2
1
0
1.2
2
0
0
0
0
0
0
0
0
0
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24
NOV-24


ACE - EMBILIPITIYA (93 MW)
GWh
0
0.0
0.0
0
0
0
0
0
0
9
3
1
1
3
18
2
0
0
0
0
0
0
0
DEC-22
JAN-23
FEB-23
MAR-23
APR-23
MAY-23
JUN-23
JUL-23
AUG-23
SEP-23
OCT-23
NOV-23
DEC-23
JAN-24
FEB-24
MAR-24
APR-24
MAY-24
JUN-24
JUL-24
AUG-24
SEP-24
OCT-24

3 Peak Demand

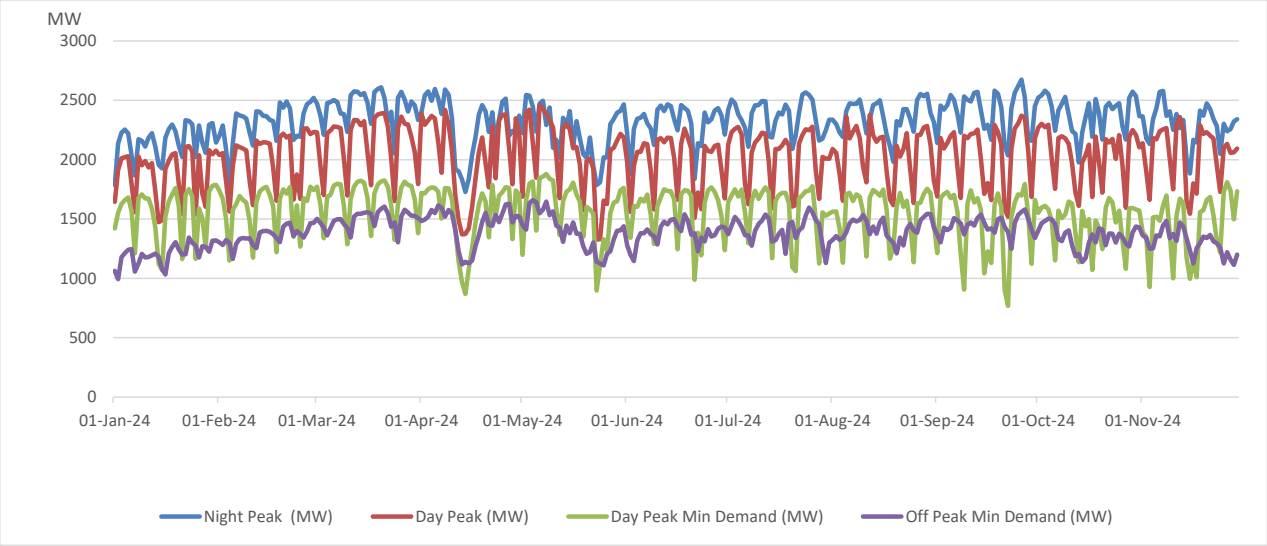
During the month;

Table 05

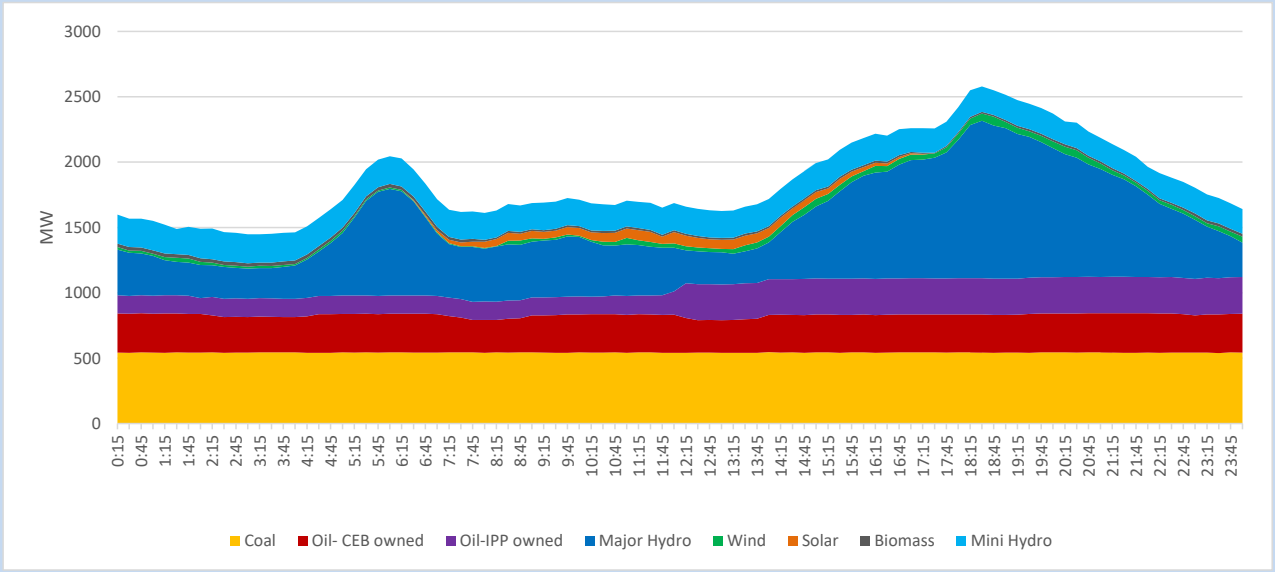
Highest Night Peak Demand	2,579	MW	on 07-Nov
Lowest Night Peak Demand	1,885	MW	on 15-Nov
Highest Day Peak Demand	2,358	MW	on 12-Nov
Day time Minimum Demand	928	MW	on 03-Nov

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

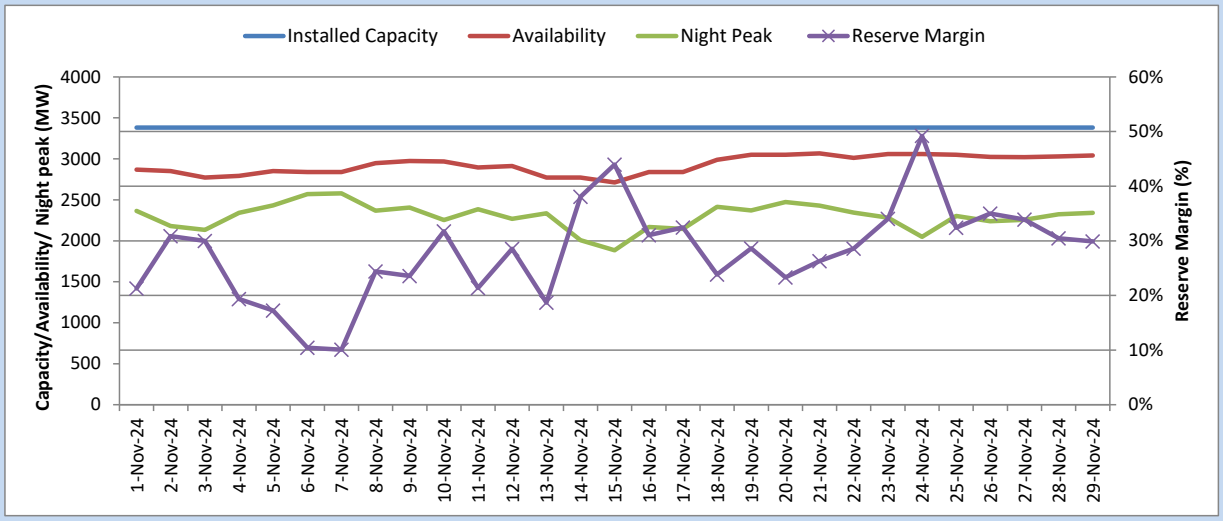
3.1 Demand Variation During the year



3.2 Load Curve of the Day with Highest Night Peak , 07-Nov



3.3 Variation of Reserve Margin During Night Peak



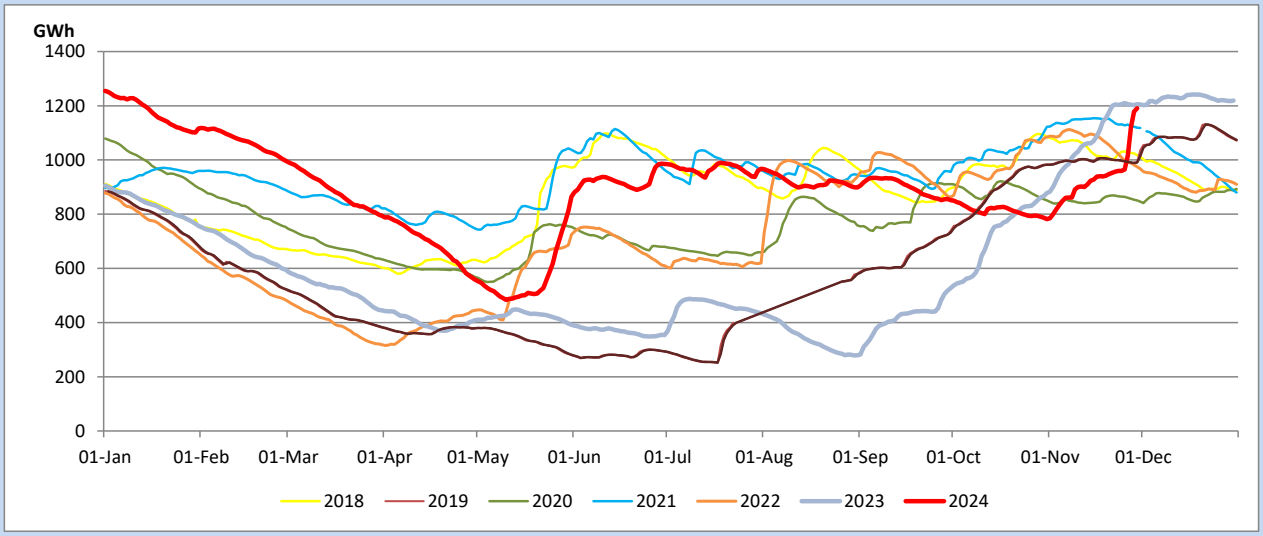
Note:Contribution from NCRE plants is not included

4 Reservoir Statistics

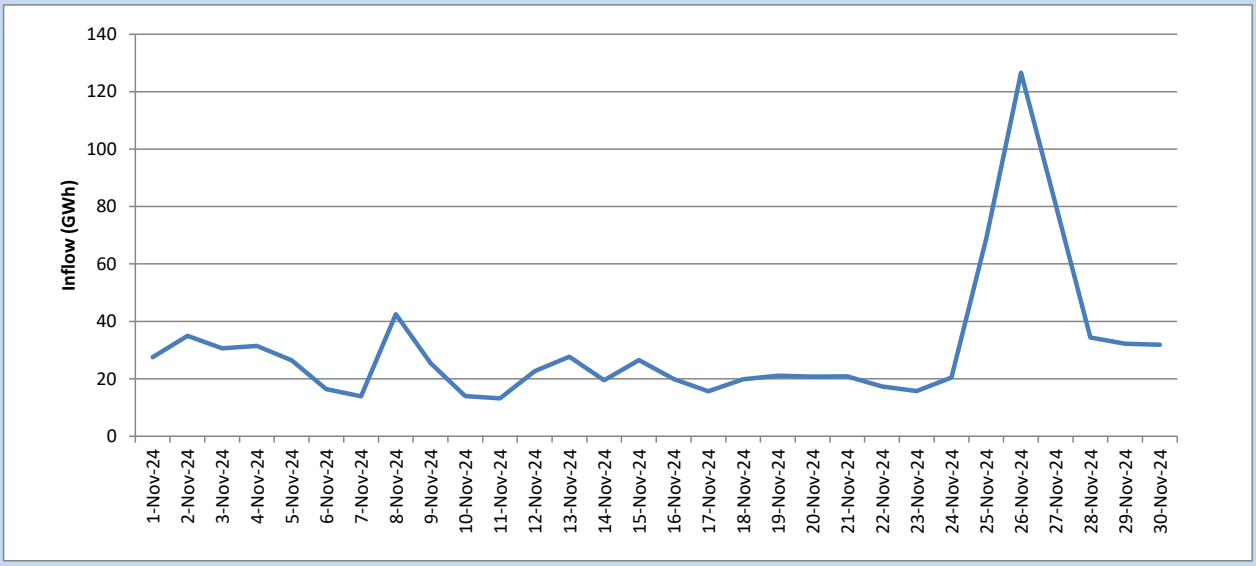
Table 05

Total Reservoir level at the beginning of the month	800.4	GWh
Total Reservoir level at the end of the month	1204.6	GWh
Total Inflow	919.1	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