

Monthly Generation Report

August-24



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

August-24

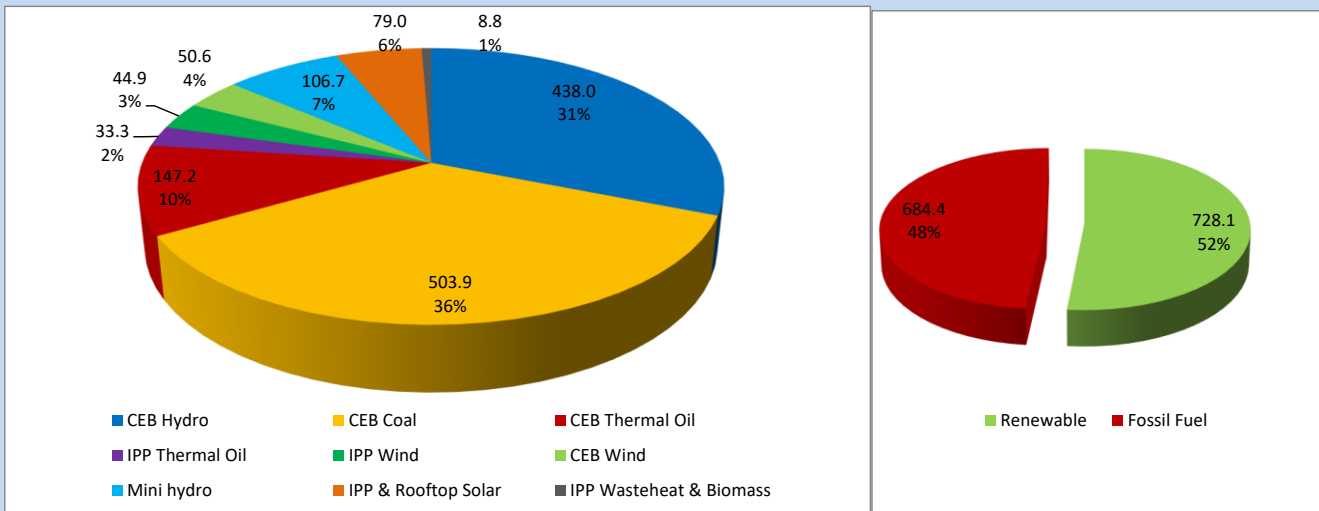


Table 01

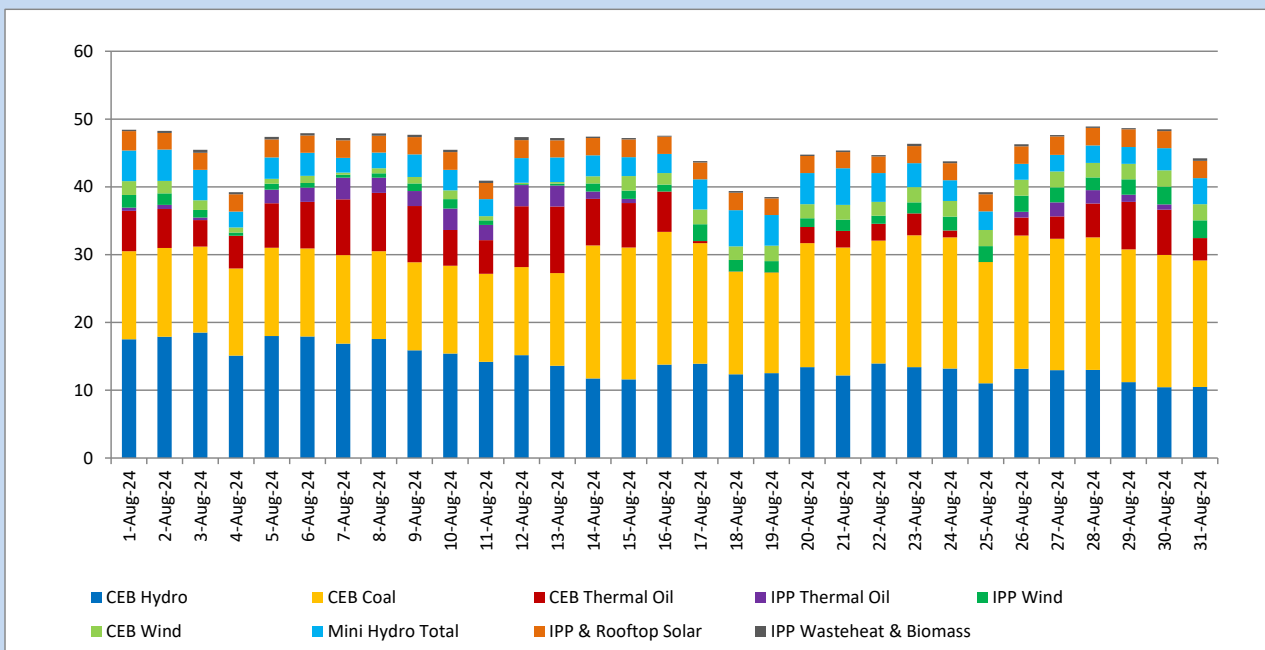
CEB Hydro	438	GWh
CEB Coal	504	GWh
CEB Thermal Oil	147	GWh
IPP Thermal Oil	33	GWh
IPP Wind	45	GWh
CEB Wind	51	GWh
Mini Hydro (Including non telemetered)	107	GWh
IPP Solar (Including estimated figures)	79	GWh
IPP Wasteheat + Biomass	9	GWh
Total Generation (Including estimated figures)	1,412	GWh

Total Generation = 1,412 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

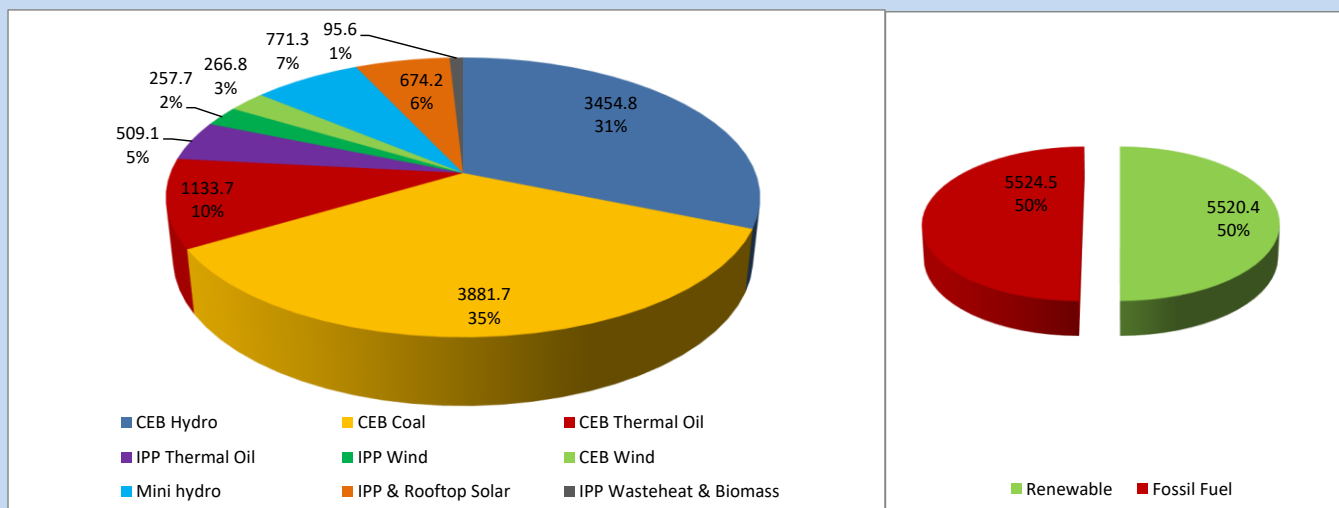


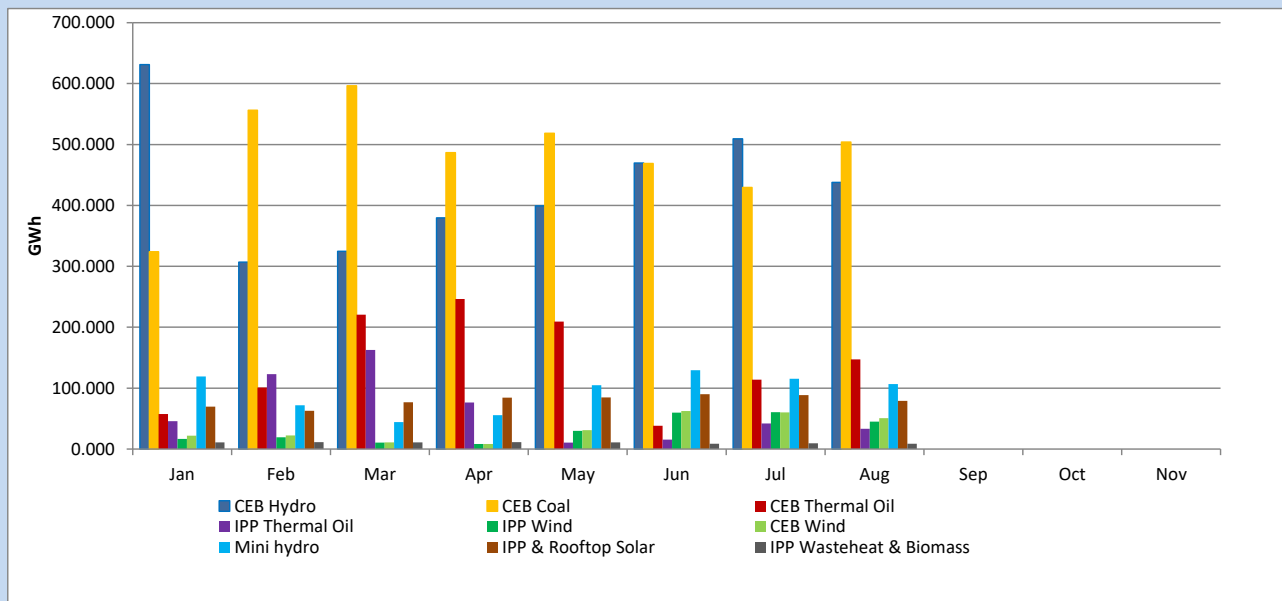
Table 02

CEB Hydro	3454.77	GWh
CEB Coal	3881.70	GWh
CEB Thermal Oil	1133.70	GWh
IPP Thermal Oil	509.07	GWh
IPP Wind	257.72	GWh
CEB Wind	266.80	GWh
Mini Hydro (Including non telemetered)	771.35	GWh
IPP Solar (Including estimated figures)	674.20	GWh
IPP Wasteheat + Biomass	95.62	GWh
Total Generation (Including estimated figures)	11044.92	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)	343
Rooftop Solar* (LT Bulk)	289
Rooftop Solar* (HT Bulk)	84

1.4 Variation of Monthly Generation Mix during the year



2 Major Plant Dispatch

2.1 Dispatch from all Generation Major Plants in

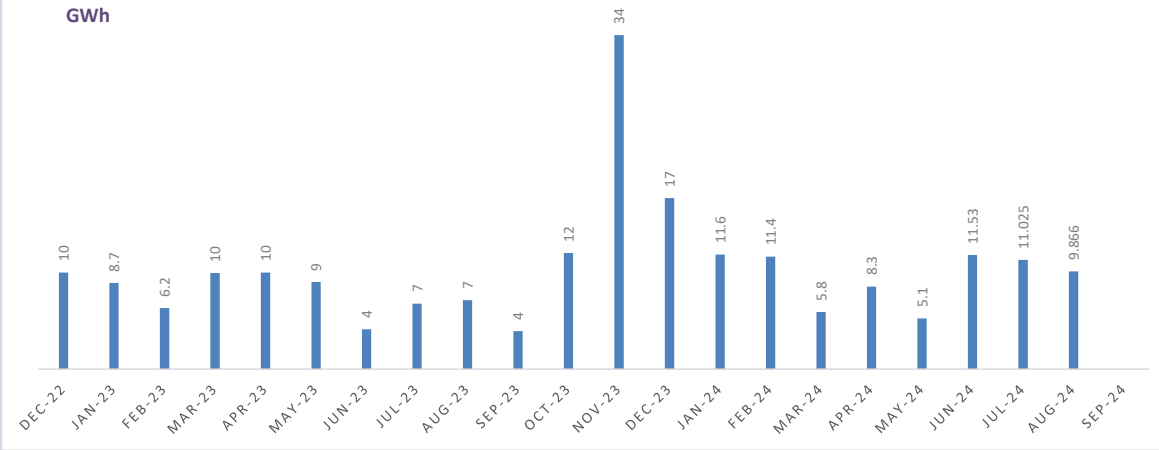
August-24

Table 04

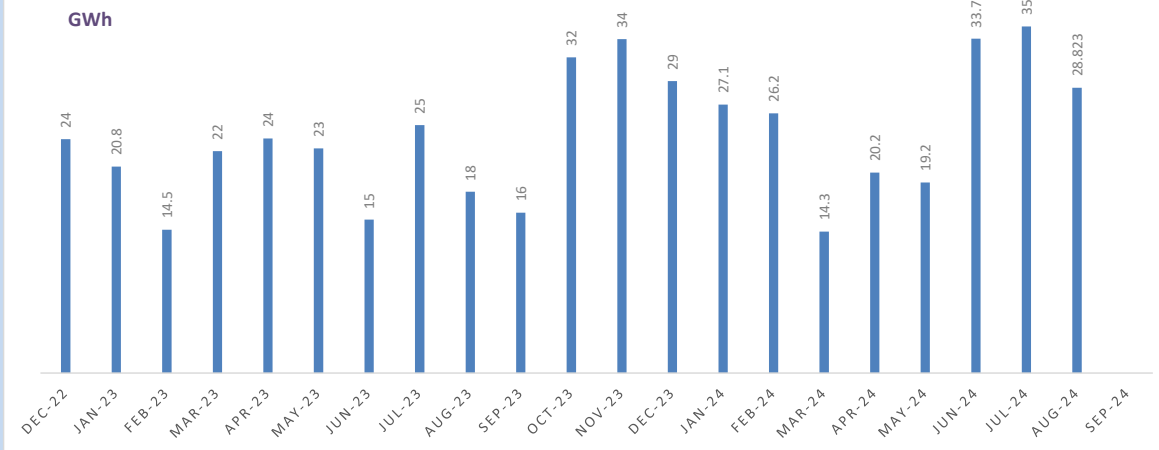
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	9,866	27.4%
Old Laxapana	54	28,823	74.1%
Canyon	60	18,803	43.5%
New Laxapana	100	63,763	88.6%
Polpitiya	90	50,690	78.2%
Broadlands	35	12,496	49.6%
Kotmale	201	42,320	29.2%
Victoria	210	60,675	40.1%
Randenigala	122	14,312	16.3%
Rantambe	50	6,678	18.6%
Ukuwela	40	19,494	67.7%
Bowatenna	40	5,873	20.4%
Upper Kotmale	150	36,941	34.2%
Nilambe	3	876	40.6%
Samanalawewa	120	14,887	17.2%
Kukule	75	36,117	66.9%
Inginiyagala	120	13,537	15.7%
Udawalawe	6	457	10.6%
Puttalam Coal I	270	195,137	100.4%
Puttalam Coal II	270	114,545	58.9%
Puttalam Coal III	270	194,216	99.9%
KPS Small GTs	64	17	0.0%
KPS GT 7	115	0	0.0%
KCCP	165	58,300	49.1%
Sapugaskanda A	64	15,169	32.9%
Sapugaskanda B	72	30,575	59.0%
Uthura Janani	24	9,905	57.3%
Barge CEB	60	22,565	52.2%
CEB - Hambantota	24	33	0.2%
CEB - Mathugama	16	9	0.1%
KCCPS -2	163	10,598	9.0%
West Coast	270	33,215	17.1%

2.3 Generation of Major Power Plants From Last Year

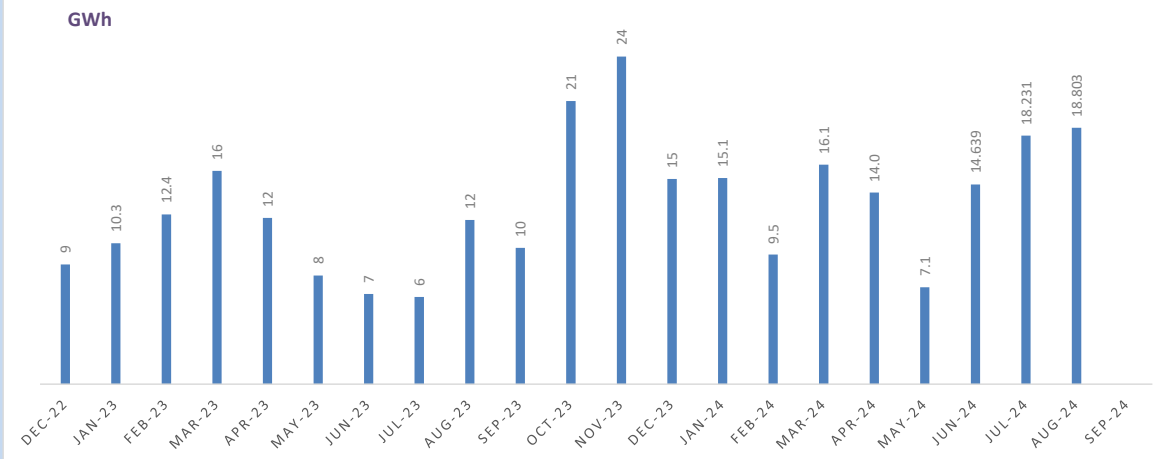
WIMALASURENDRA POWER STATION (53.5MW)



OLD LAXAPANA POWER STATION (53.5MW)

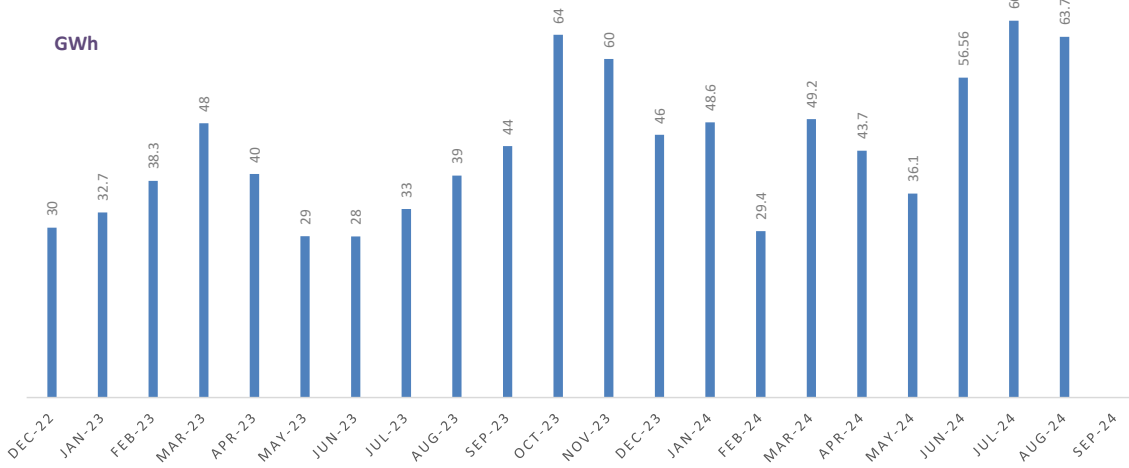


CANYON POWER STATION (60 MW)



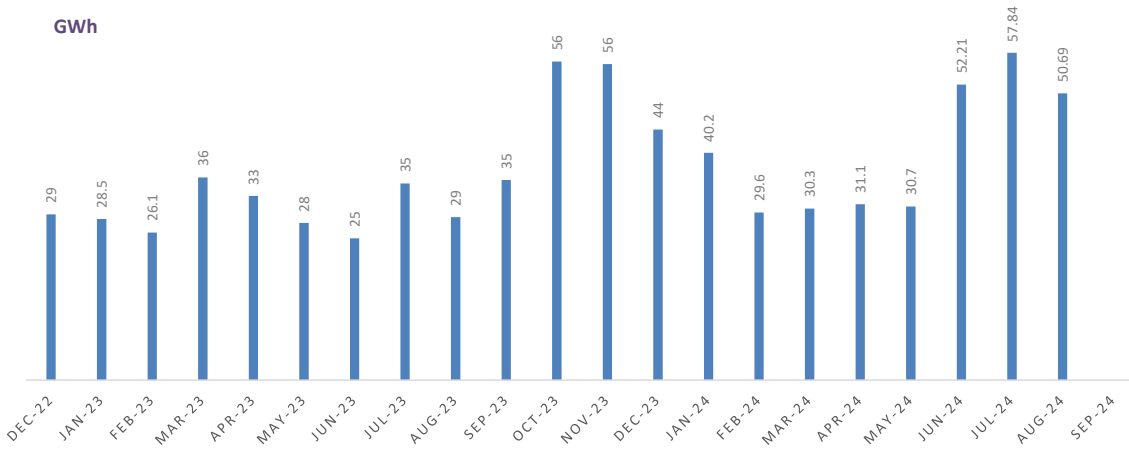
NEW LAXAPANA POWER STATION (115 MW)

GWh



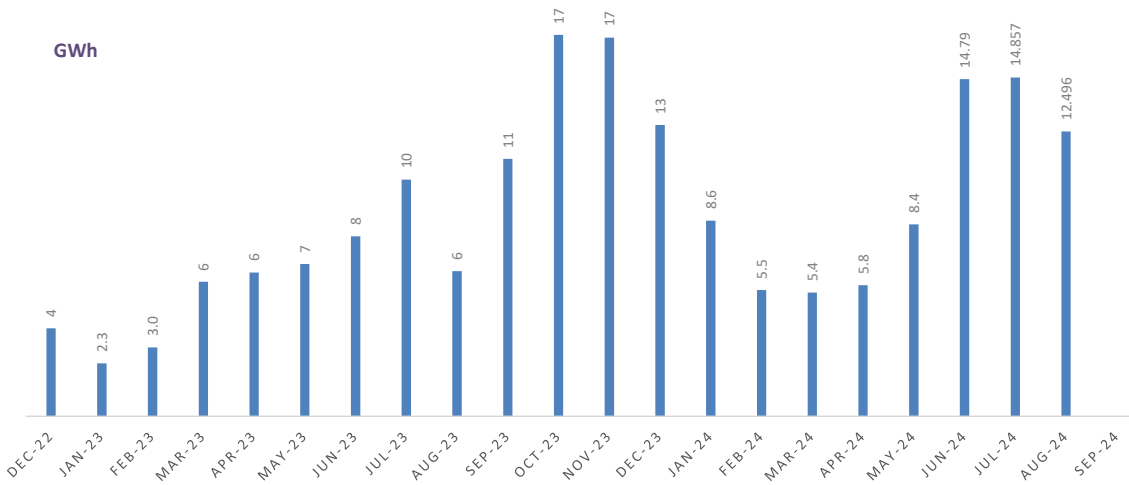
POLPITIYA POWER STATION (90 MW)

GWh



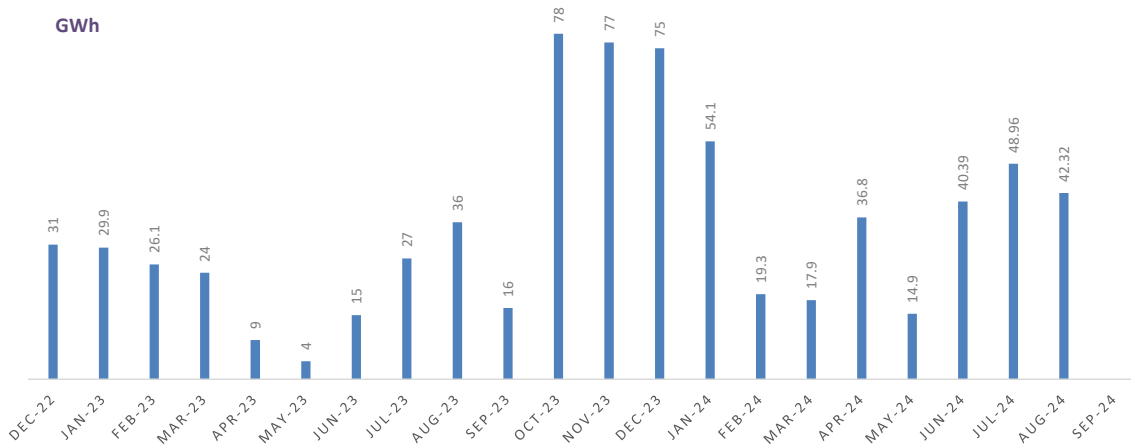
BROADLANDS POWER STATION (35 MW)

GWh



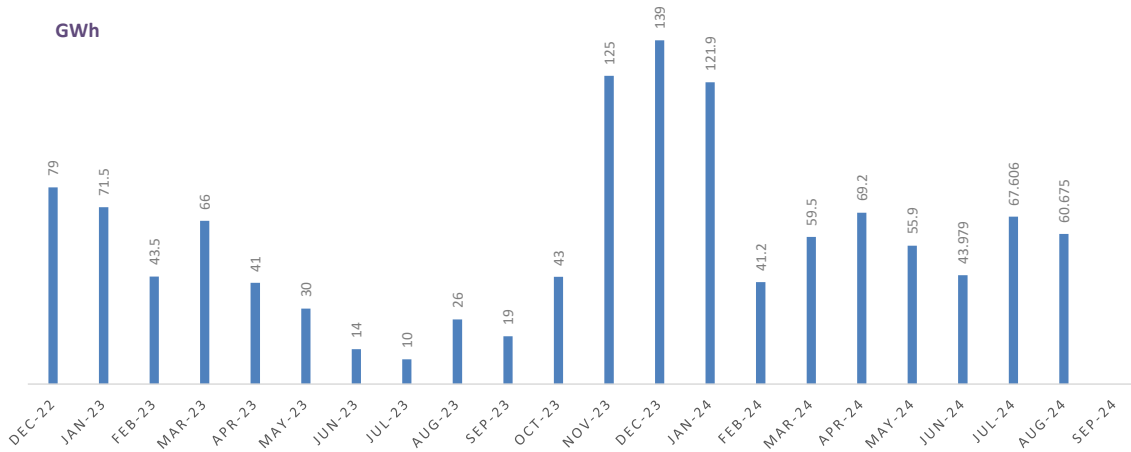
KOTMALE POWER STATION (201 MW)

GWh



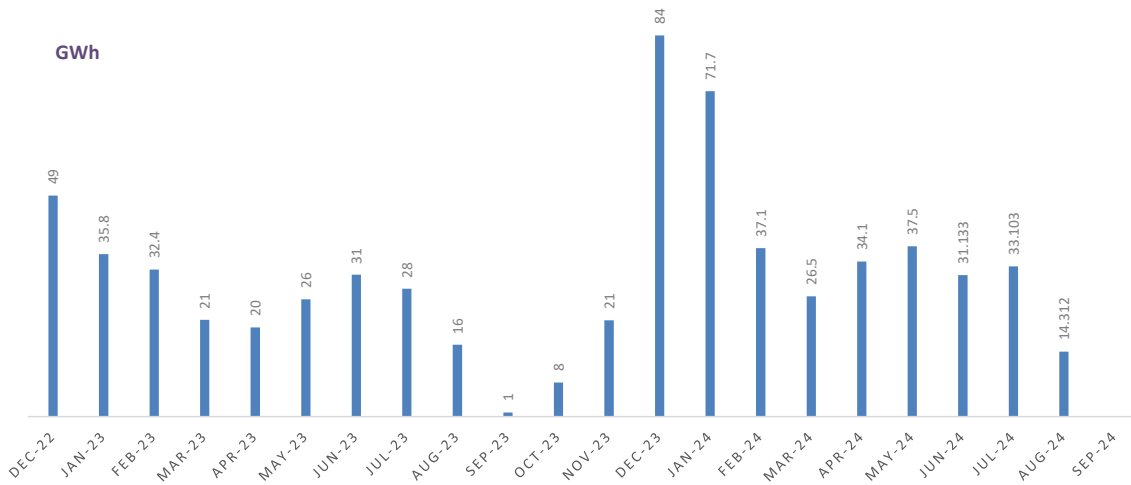
VICTORIA POWER STATION (225 MW)

GWh



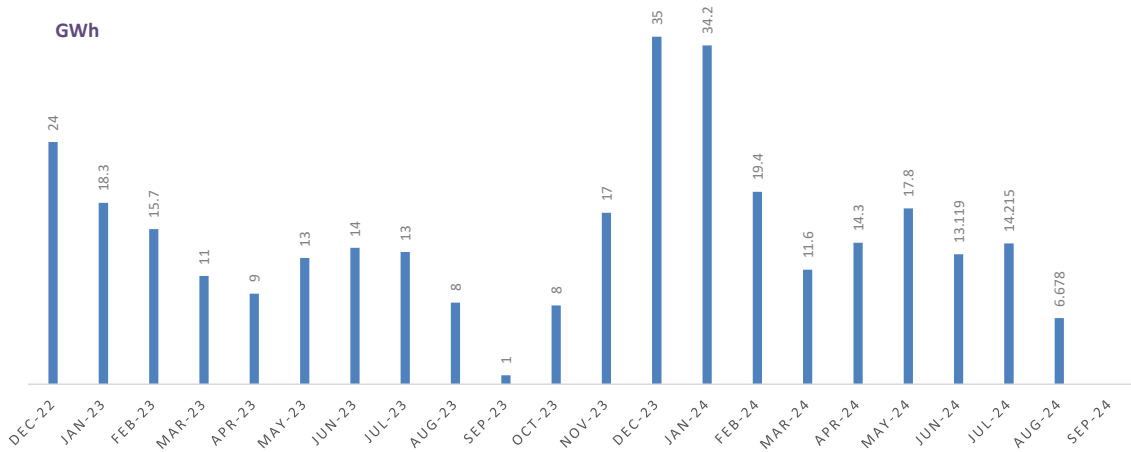
RANDENIGALA POWER STATION (114 MW)

GWh



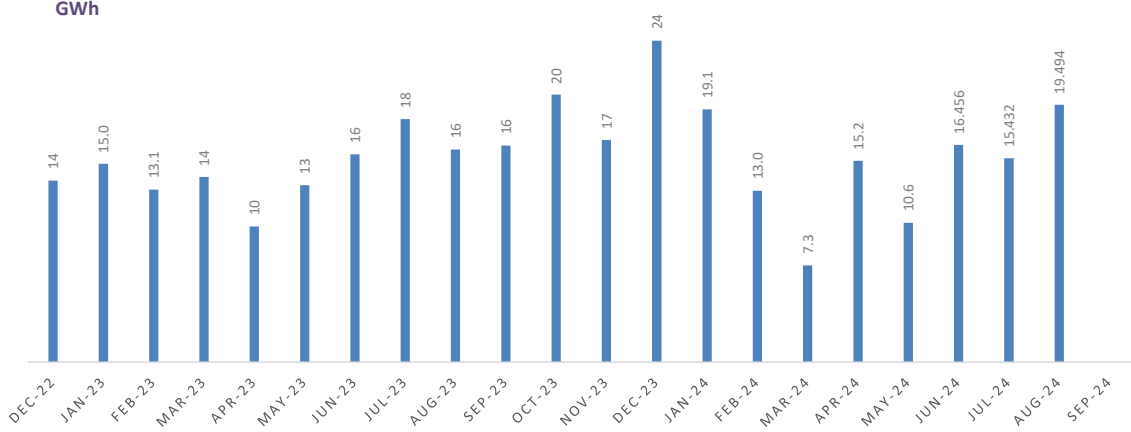
RANTAMBE POWER STATION (50 MW)

GWh



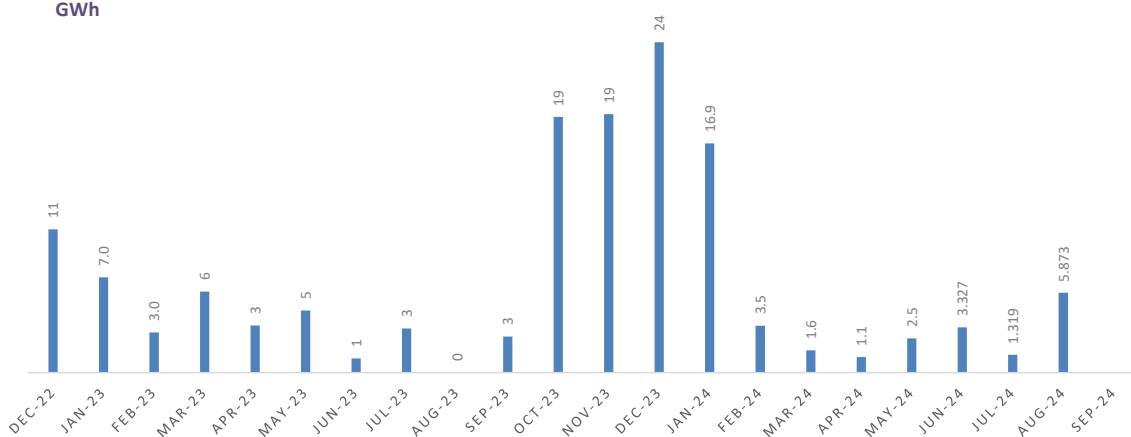
UKUWELA POWER STATION (37 MW)

GWh



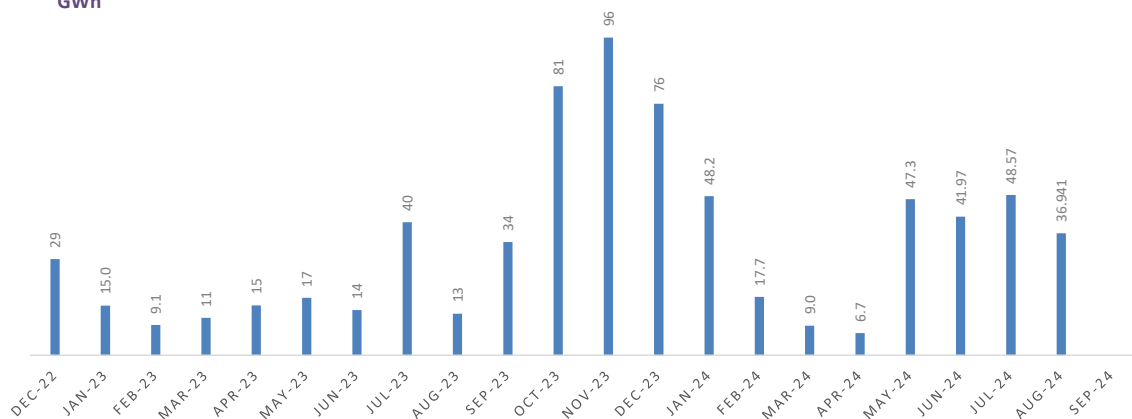
BOWATHENNA POWER STATION (40 MW)

GWh



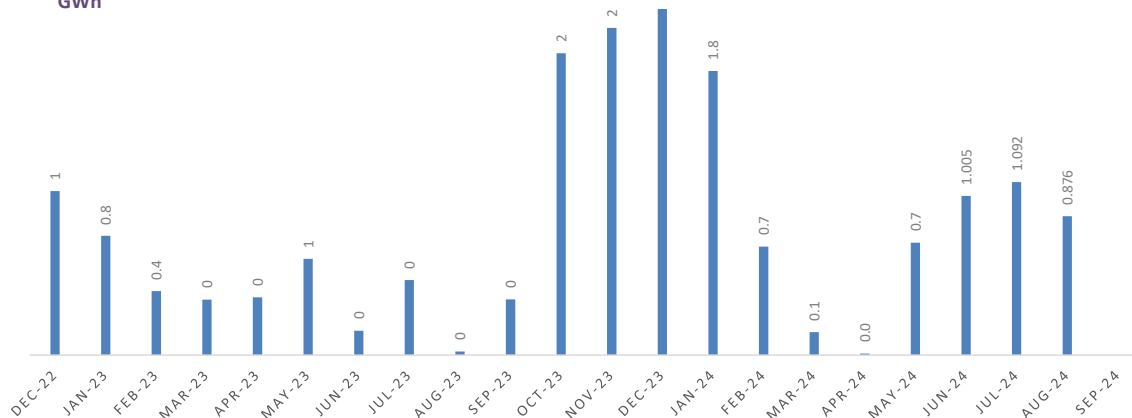
UPPER KOTMALE POWER STATION (150 MW)

GWh



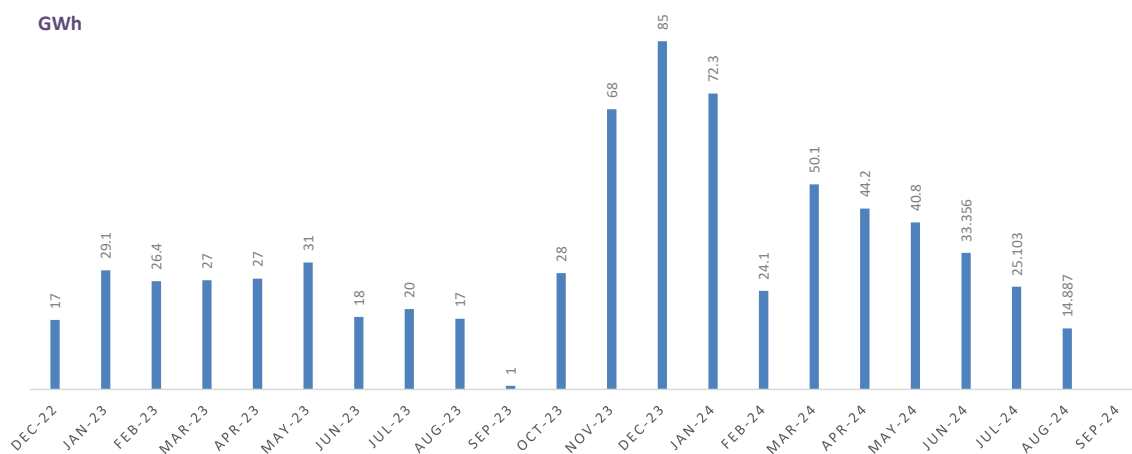
NILLAMBE POWER STATION (3 MW)

GWh



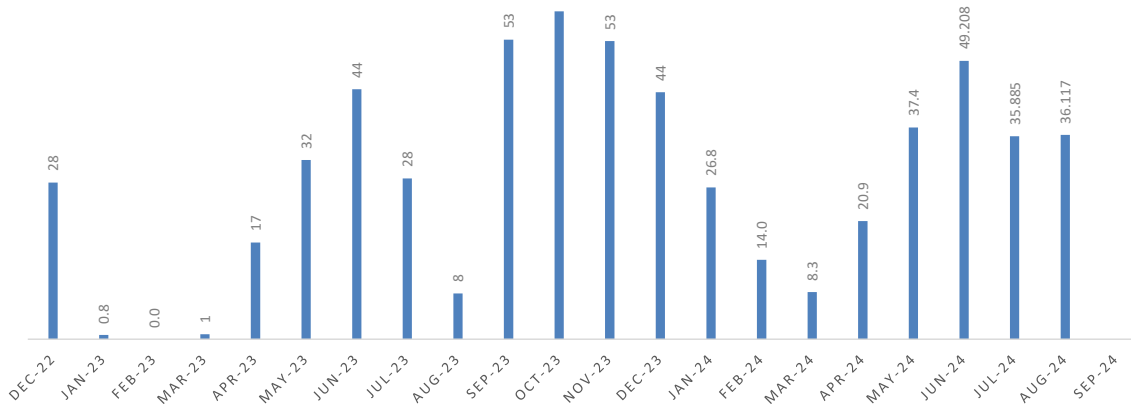
SAMANALAWEWA POWER STATION (120 MW)

GWh



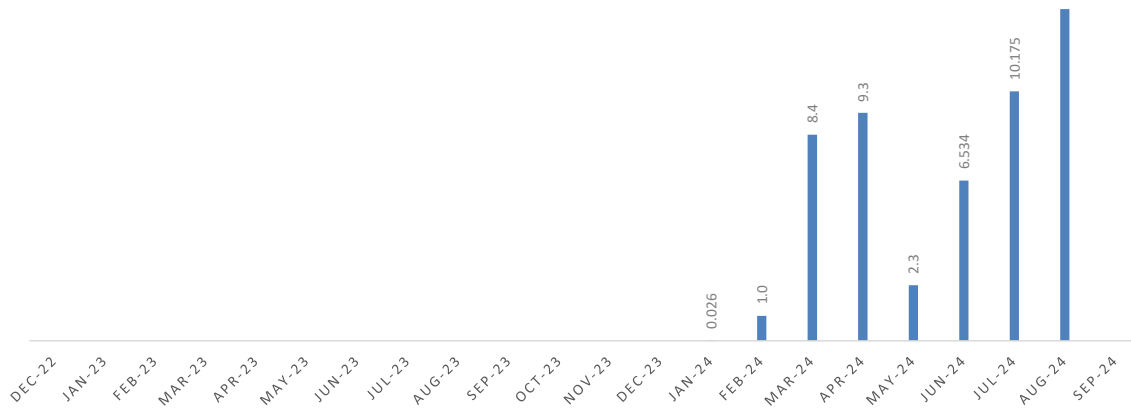
KUKULE POWER STATION (75 MW)

GWh



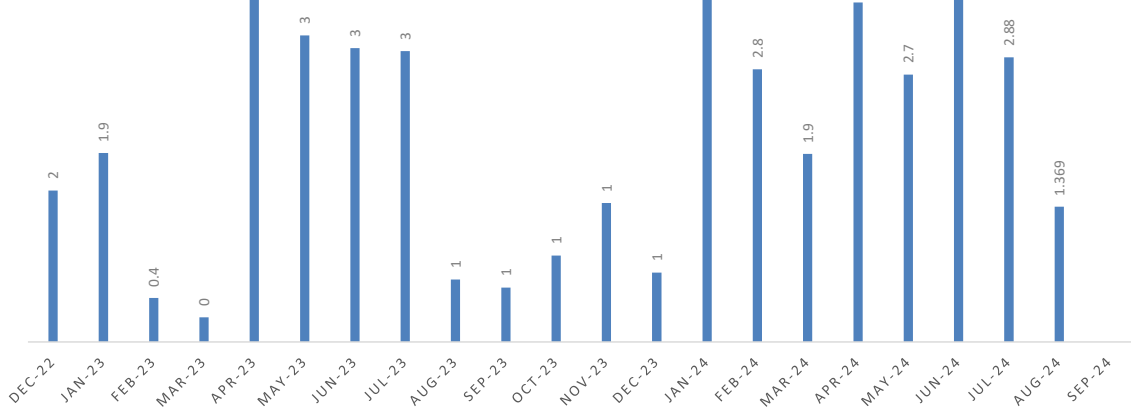
UMA OYA POWER STATION (150 MW)

GWh



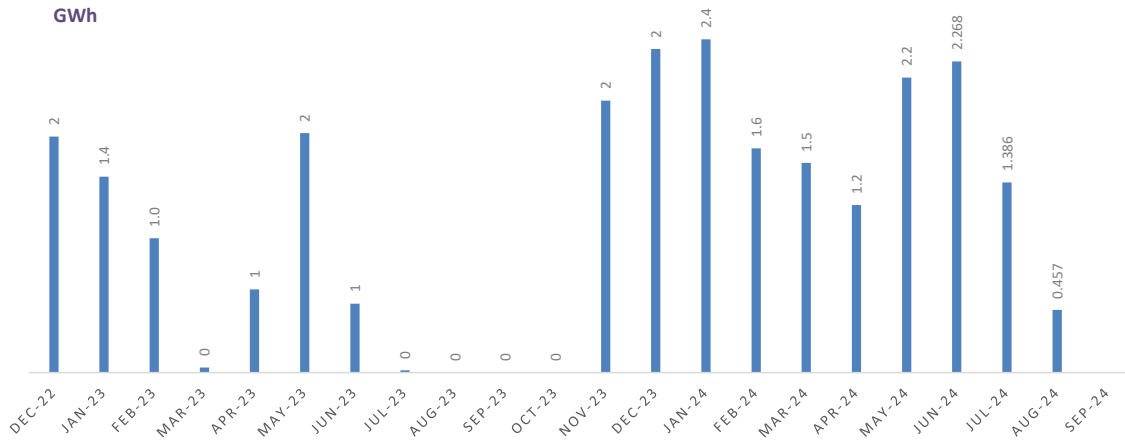
INGINIYAGALA POWER STATION (11 MW)

GWh



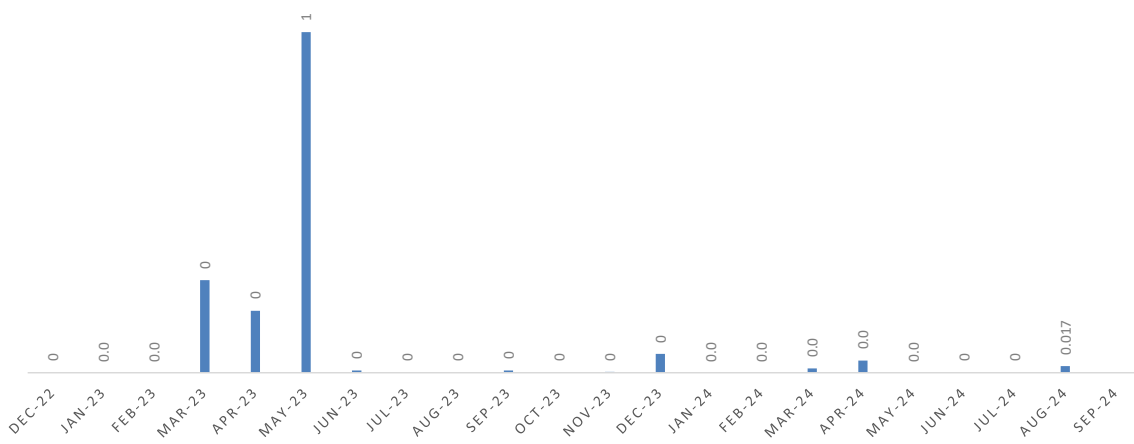
UDAWALAWE POWER STATION (6 MW)

GWh



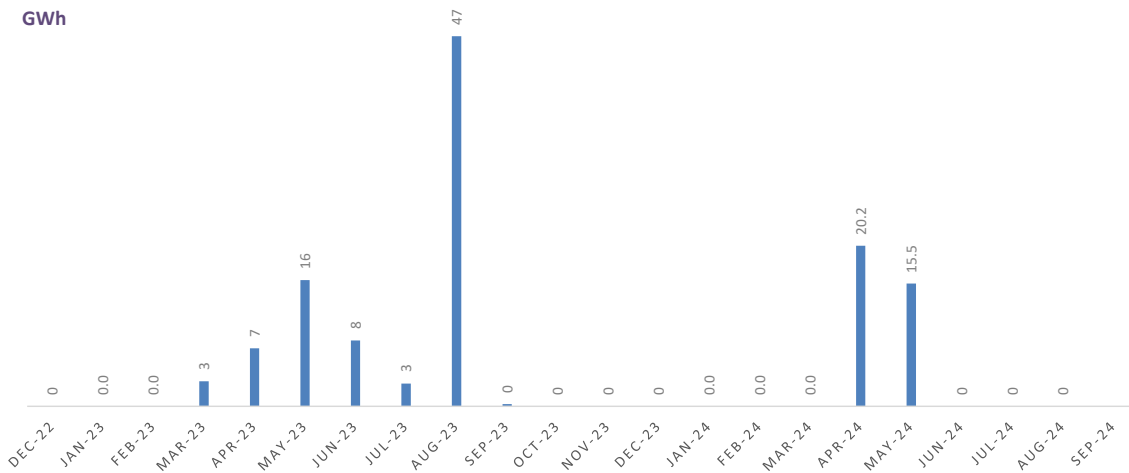
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)

GWh



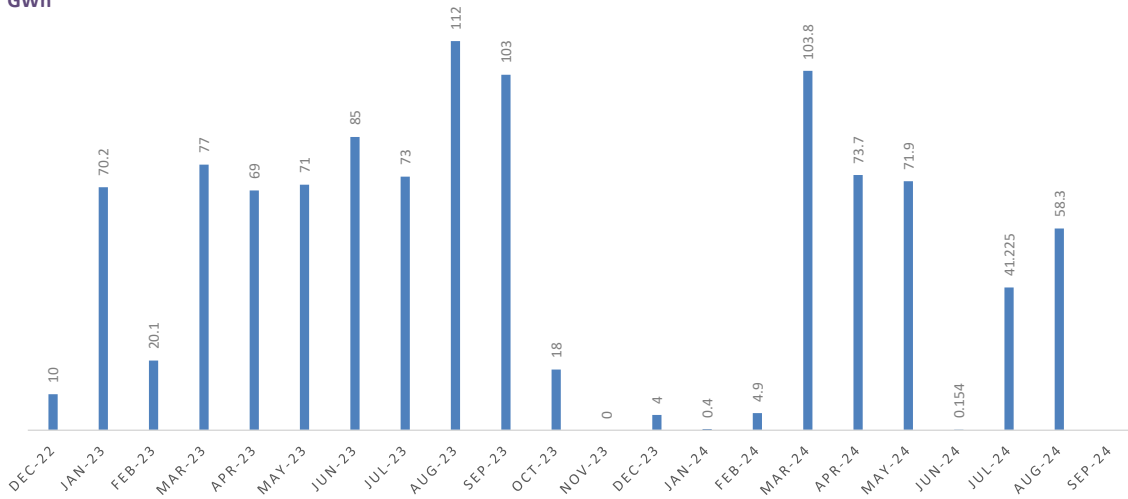
KELANITISSA GT 7 (115 MW)

GWh



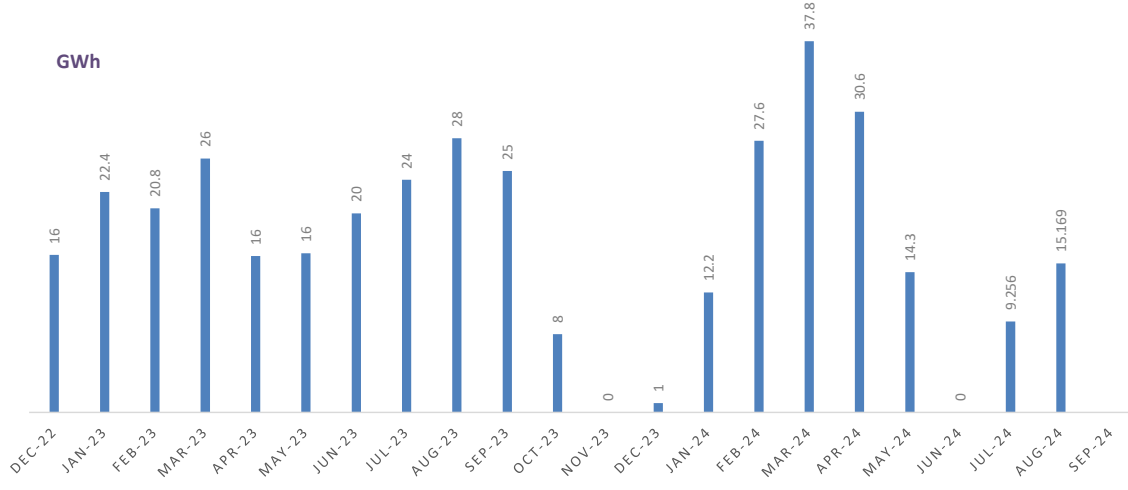
GWh

KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



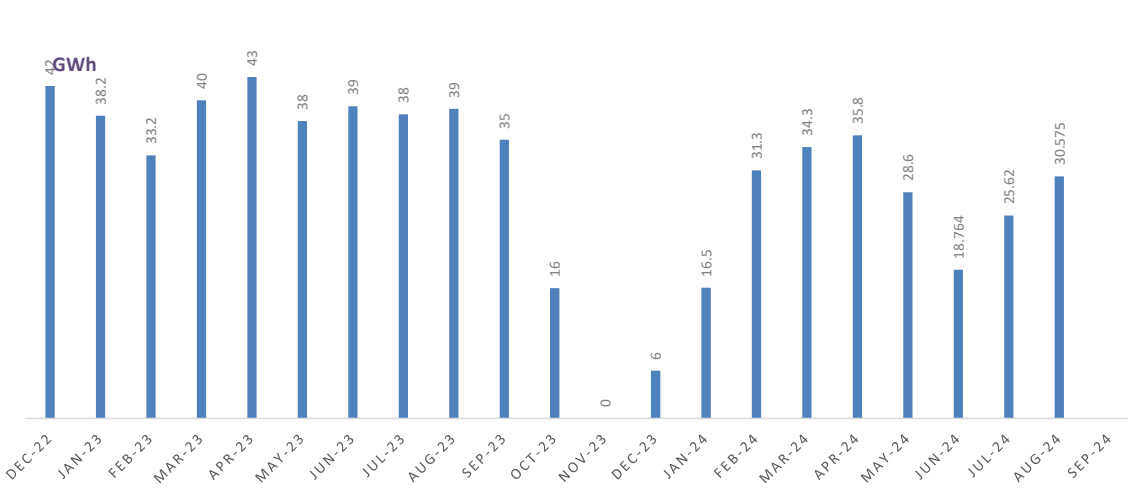
GWh

SAPUGASKANDA - A POWER STATION (80 MW)



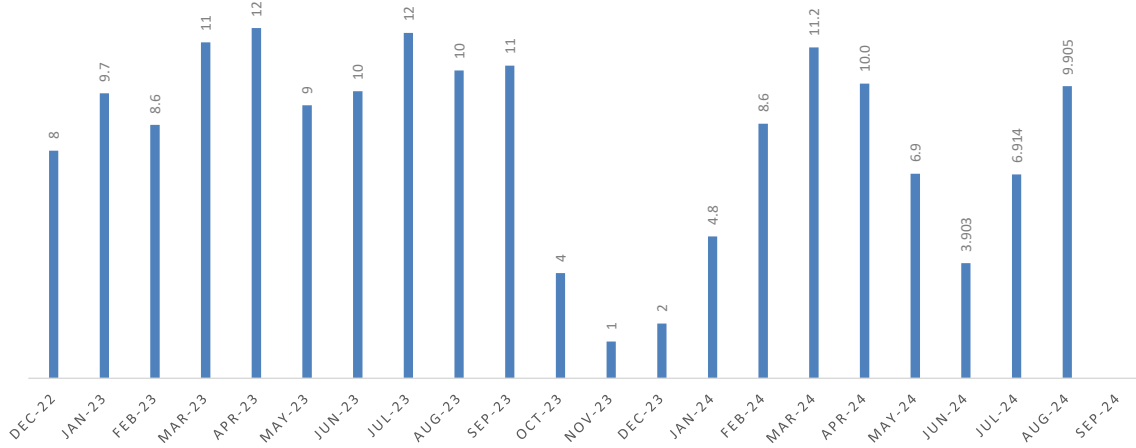
GWh

SAPUGASKANDA - B POWER STATION (80 MW)



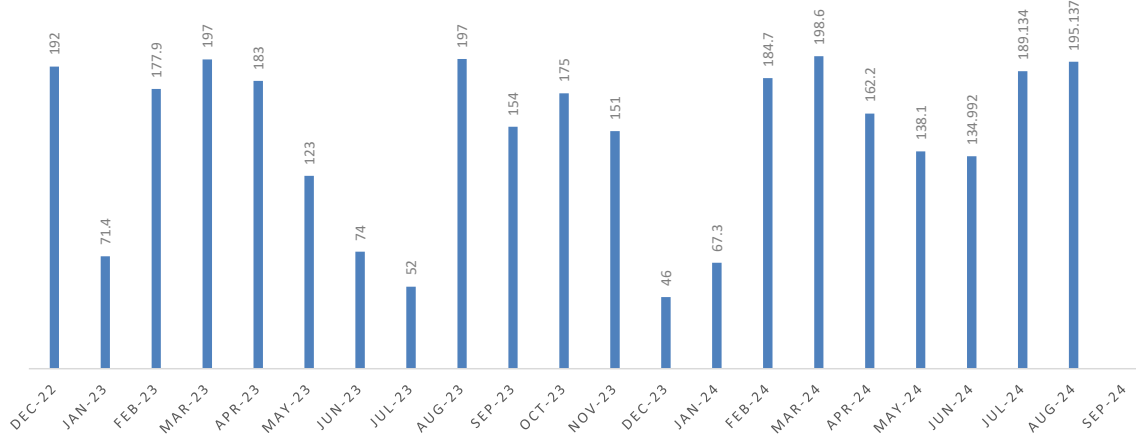
UTHURU JANANEE POWER STATION (24 MW)

GWh



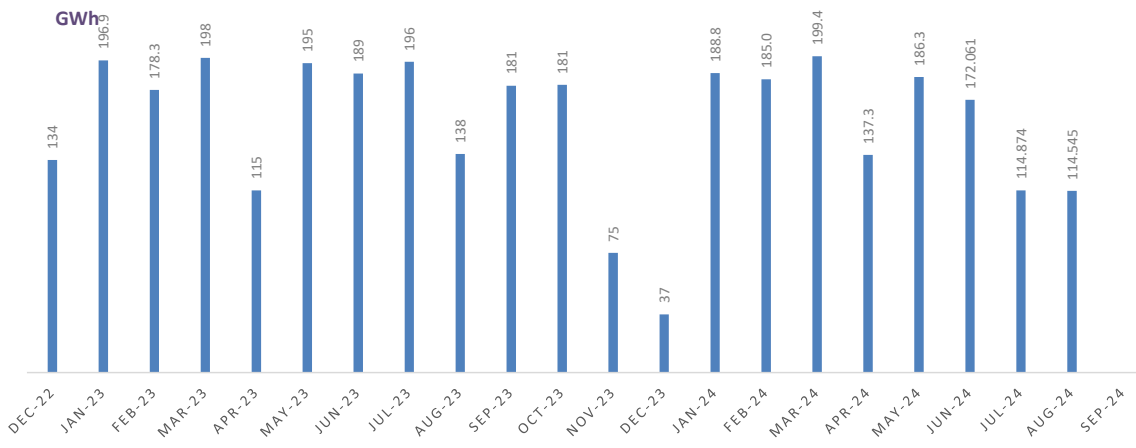
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)

GWh

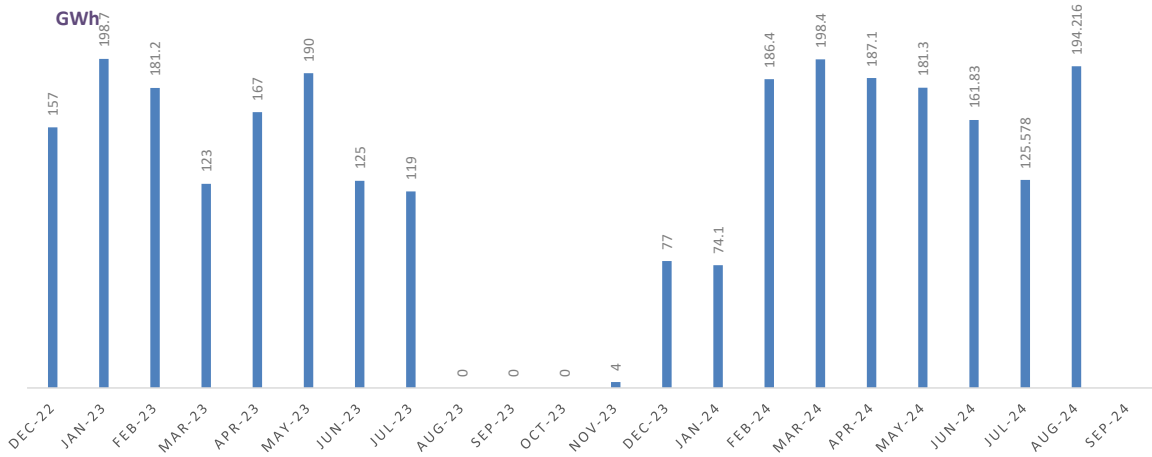


LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)

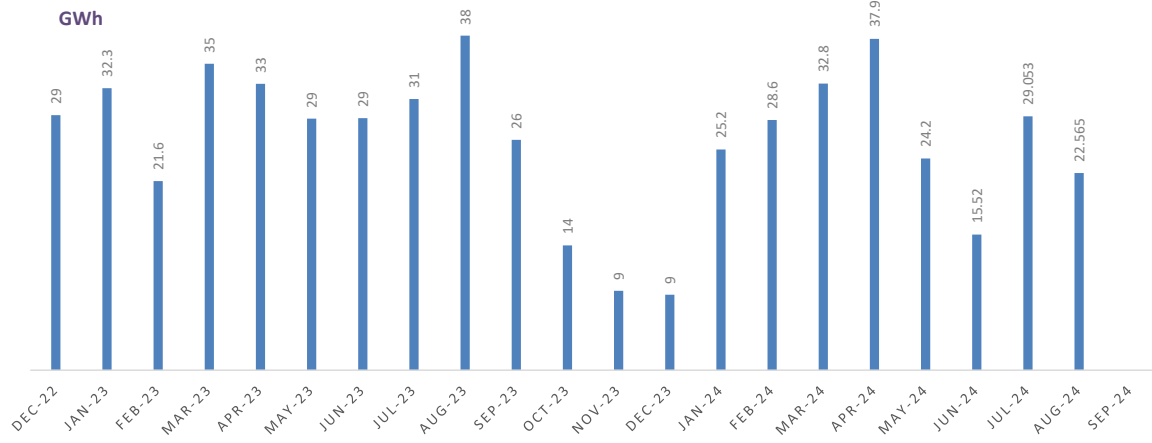
GWh



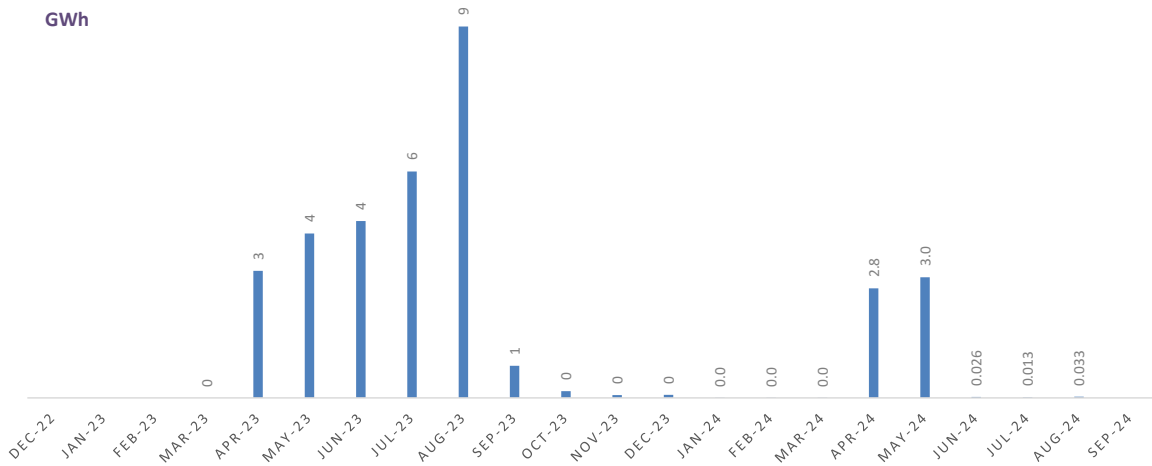
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



BARGE POWER STATION - CEB (60 MW)

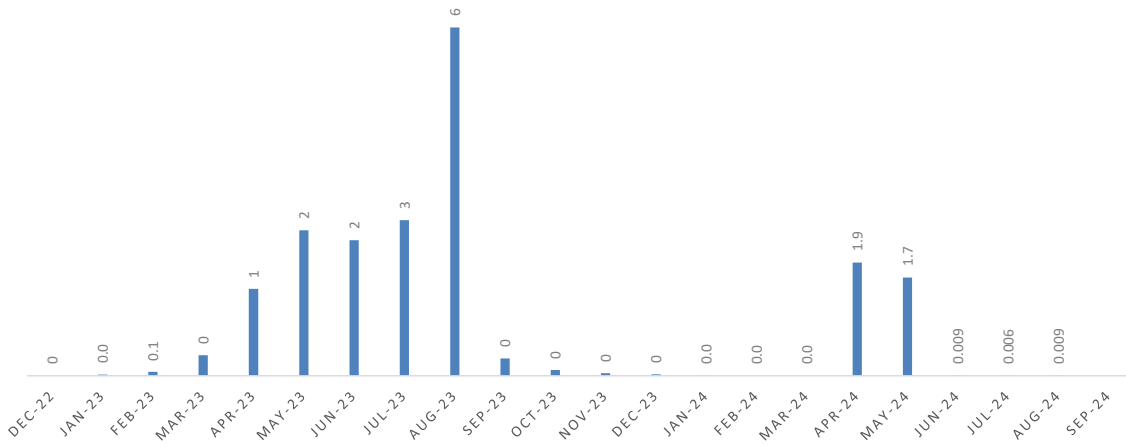


HAMBANTOTA - CEB (24 MW)



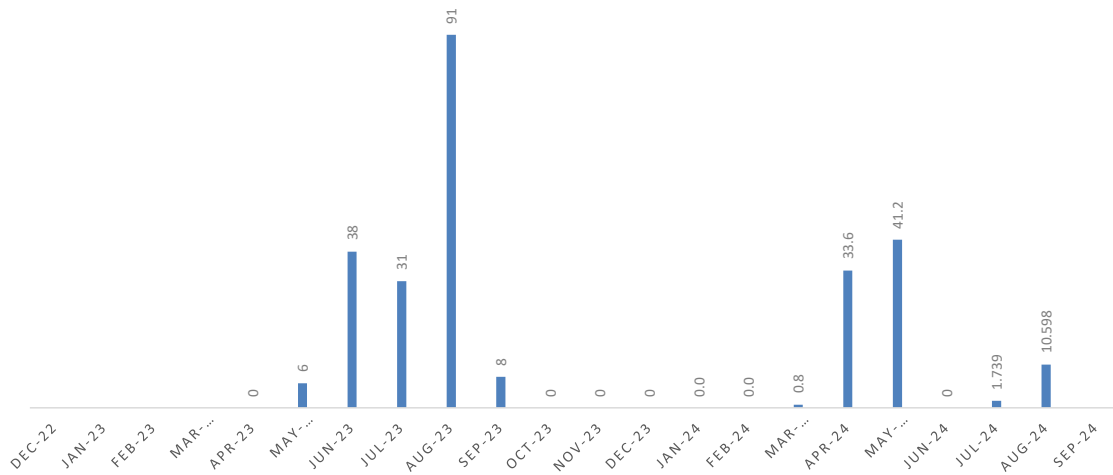
MATHUGAMA - CEB (16 MW)

GWh



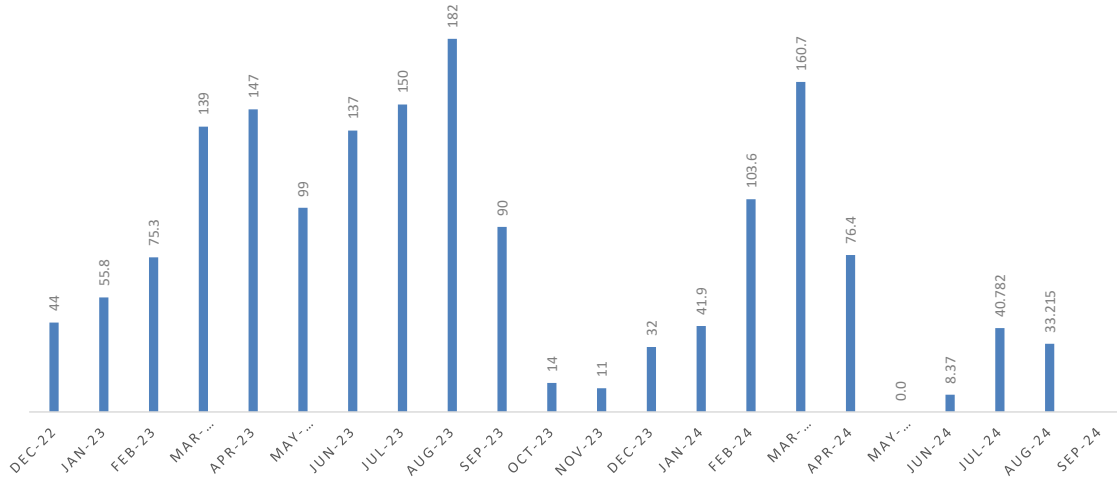
KCCPS - 02 POWER STATION (163 MW)

GWh



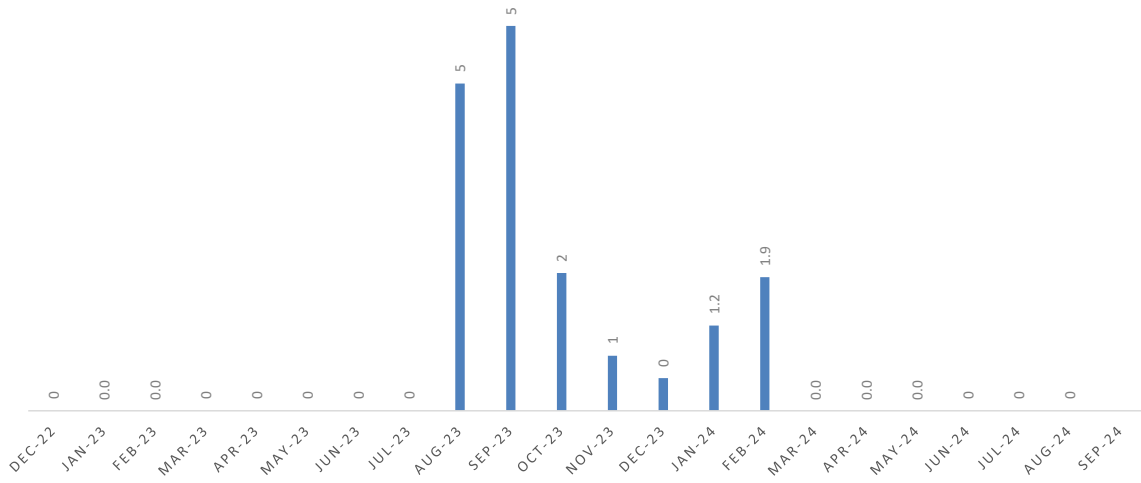
WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)

GWh



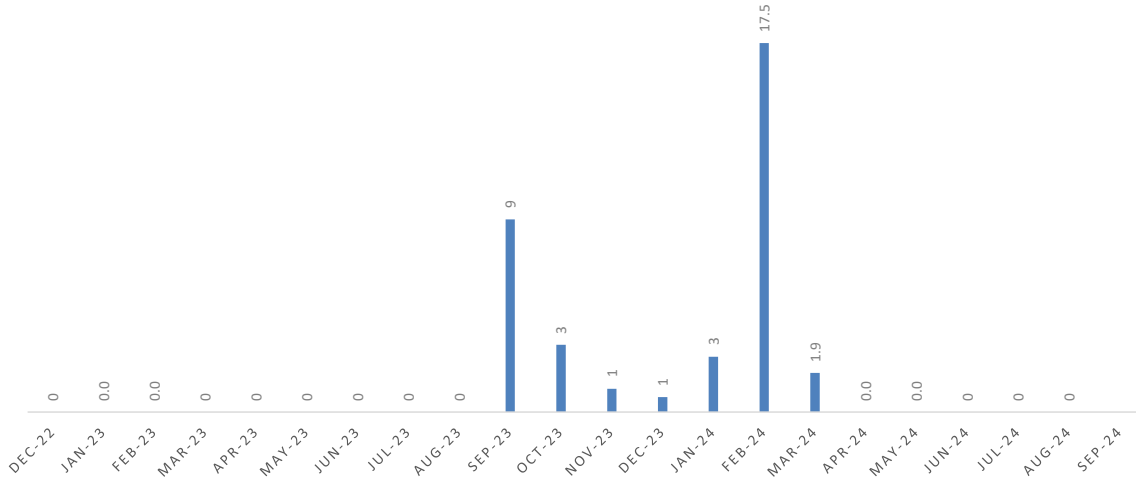
ACE - MATARA (24 MW)

GWh



ACE - EMBILIPITIYA (93 MW)

GWh



3 Peak Demand

During the month;

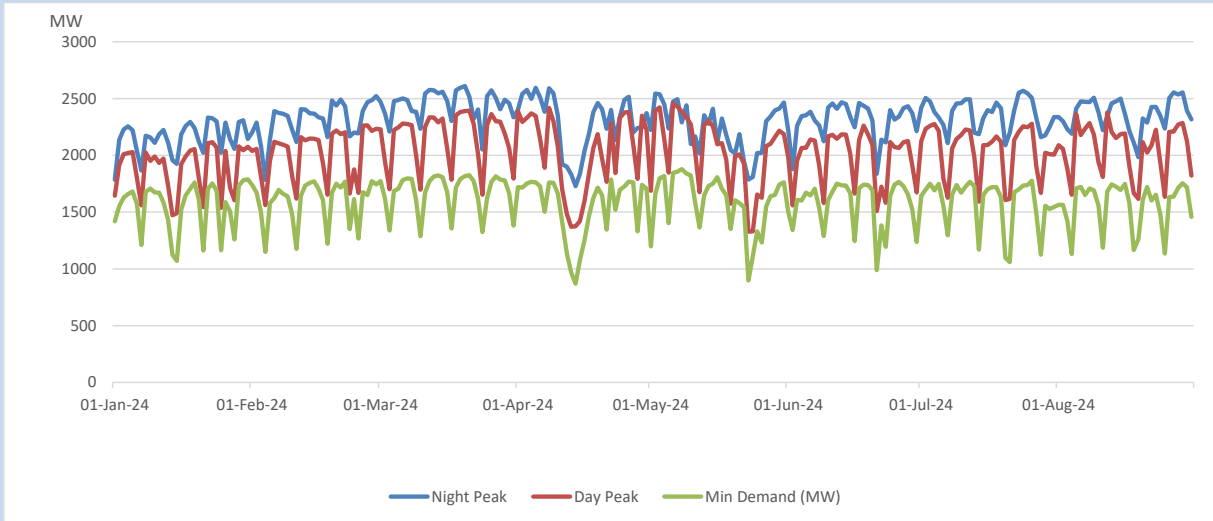
Table 05

Highest Peak Demand	2,555	MW
Lowest Peak Demand	1,984	MW
Highest Day Peak Demand	2,378	MW
Minimum Demand	1,132	MW

on 29-Aug
on 19-Aug
on 12-Aug
on 04-Aug

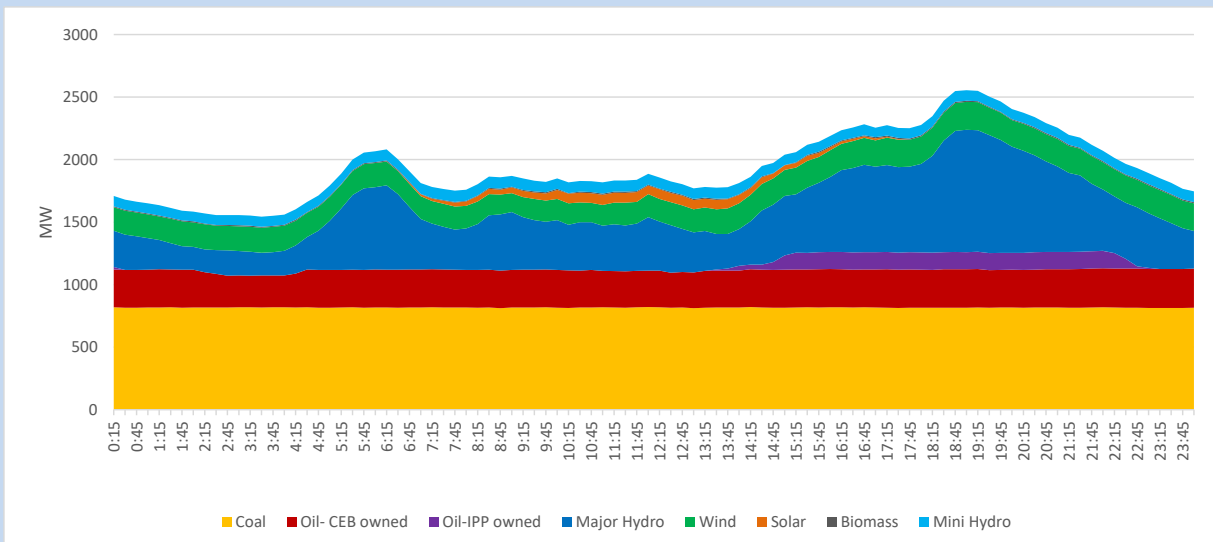
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

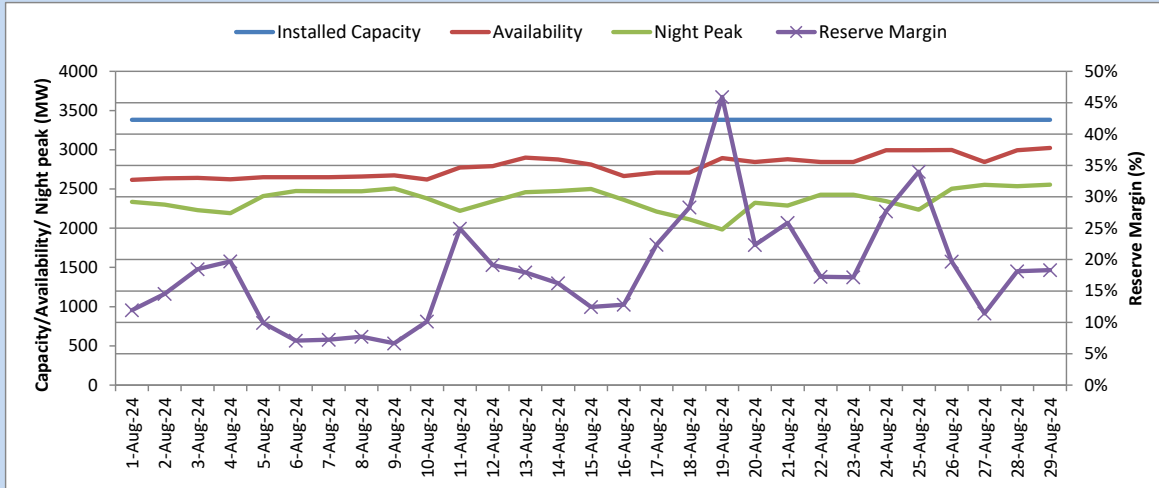


3.2 Load Curve of the Day with Highest Night Peak ,

29-Aug



3.3 Variation of Reserve Margin During Night Peak



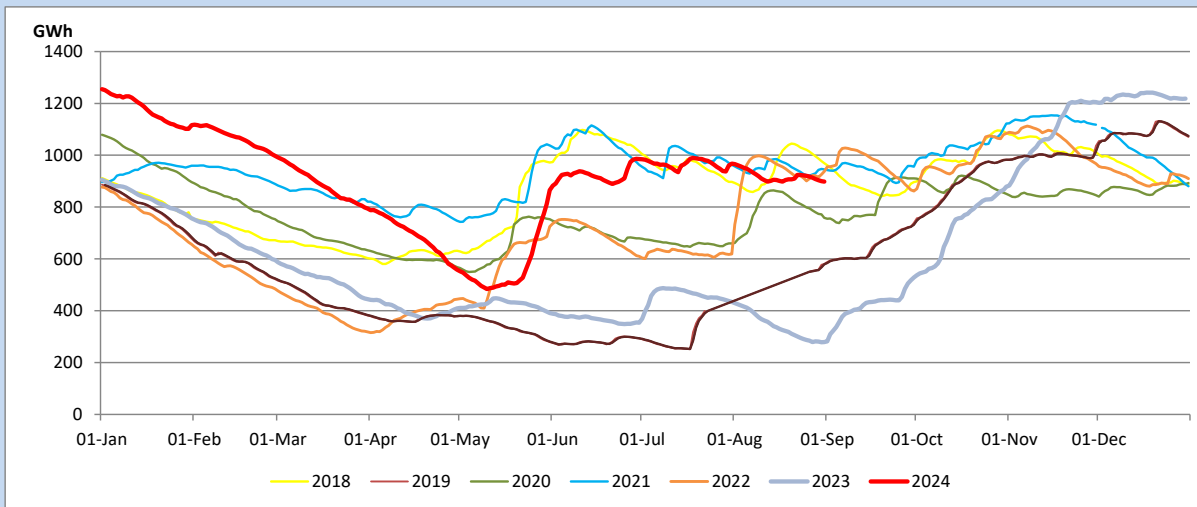
Note: Contribution from NCRE plants is not included

4 Reservoir Statistics

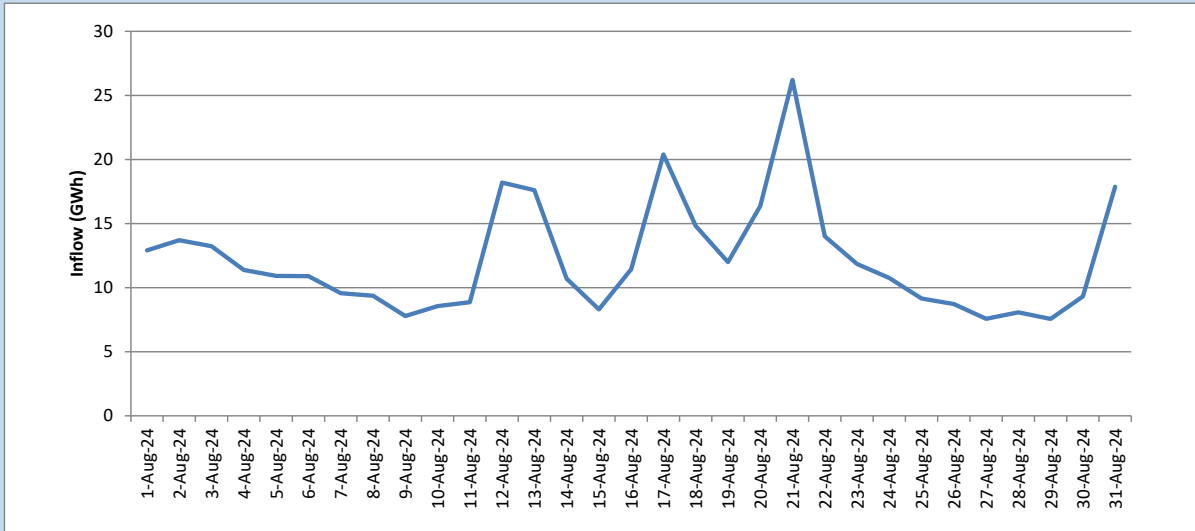
Table 05

Total Reservoir level at the beginning of the month	961 GWh
Total Reservoir level at the end of the month	905.9 GWh
Total Inflow	378.1 GWh

4.1 Total Hydro Reservoir- Comparison with Past Years



4.2 System Inflow Variation during the month



4.3 Major Hydro Reservoir Levels Variation during the year

