

Monthly Generation Report

September-24



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

September-24

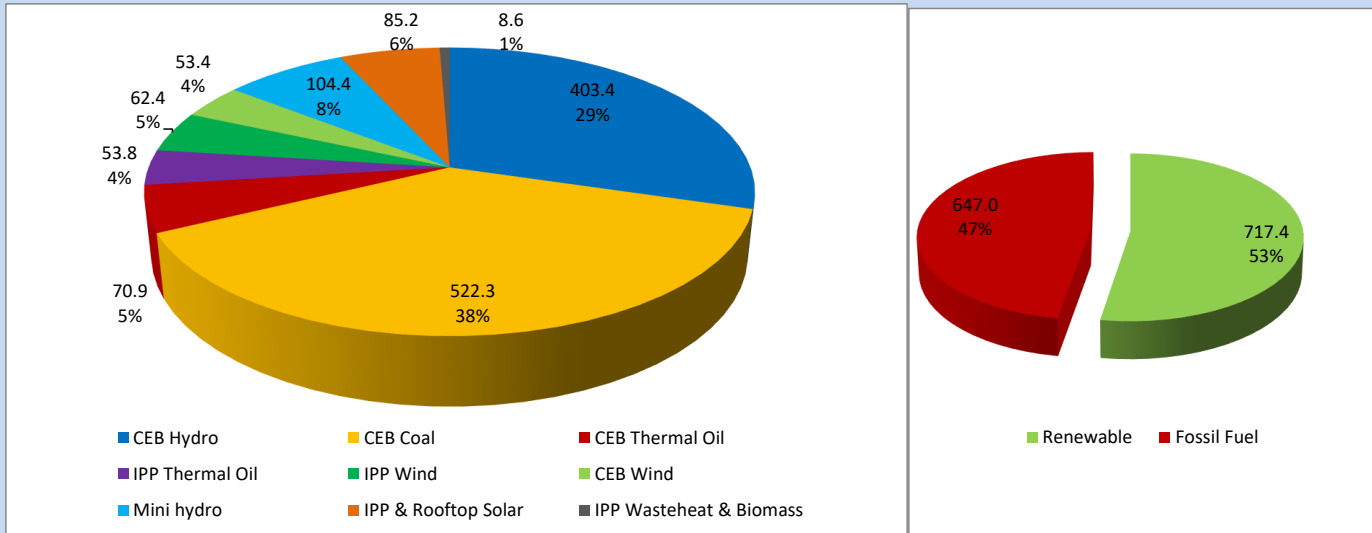


Table 01

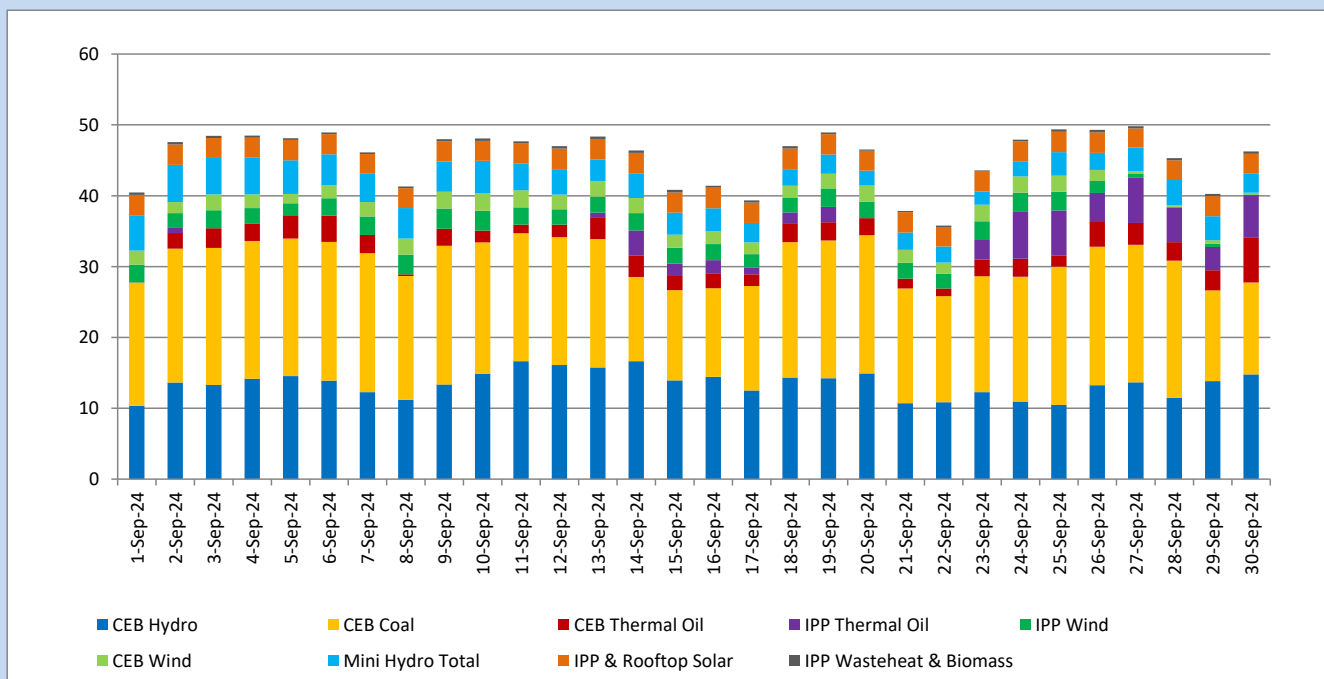
CEB Hydro	403	GWh
CEB Coal	522	GWh
CEB Thermal Oil	71	GWh
IPP Thermal Oil	54	GWh
IPP Wind	62	GWh
CEB Wind	53	GWh
Mini Hydro (Including non telemetered)	104	GWh
IPP Solar (Including estimated figures)	85	GWh
IPP Wasteheat + Biomass	9	GWh
Total Generation (Including estimated figures)	1,364	GWh

Total Generation = 1,364 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

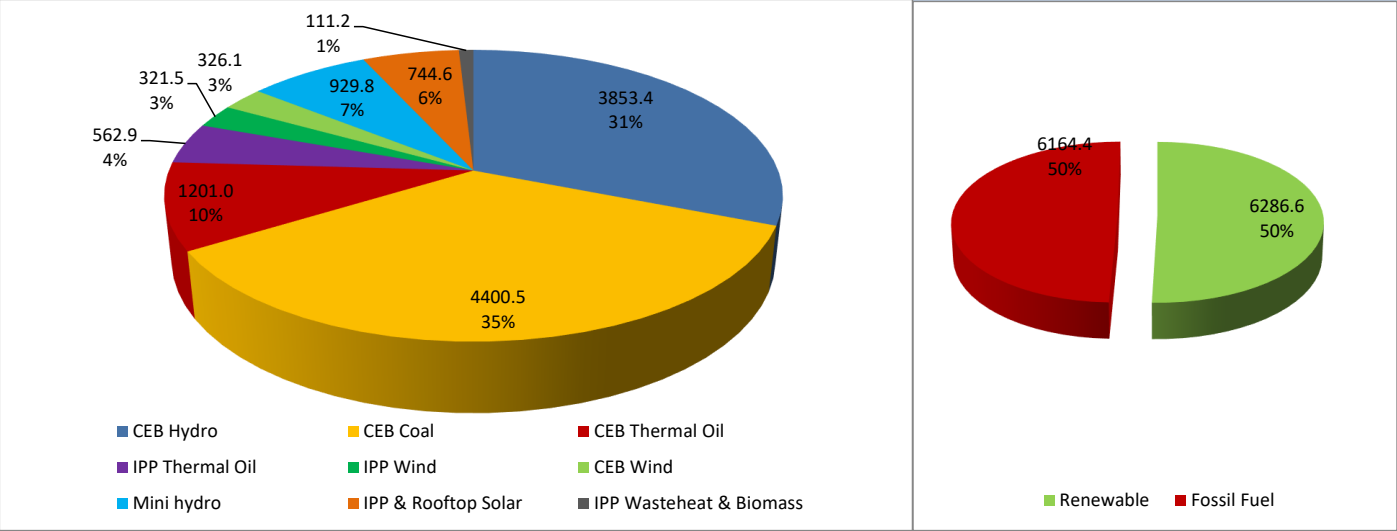


Table 02

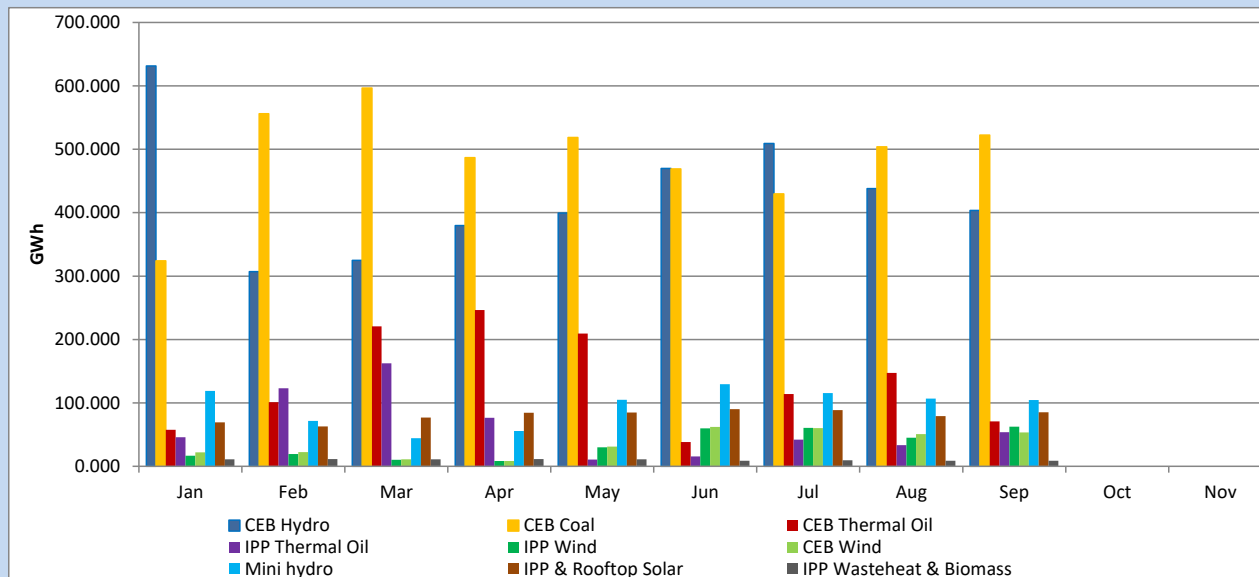
CEB Hydro	3853.36	GWh
CEB Coal	4400.53	GWh
CEB Thermal Oil	1201.04	GWh
IPP Thermal Oil	562.89	GWh
IPP Wind	321.52	GWh
CEB Wind	326.12	GWh
Mini Hydro (Including non telemetered)	929.80	GWh
IPP Solar (Including estimated figures)	744.64	GWh
IPP Wasteheat + Biomass	111.19	GWh
Total Generation (Including estimated figures)	12451.08	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

Note - NCRE capacities were extracted from MRR June 2024

1.4 Variation of Monthly Generation Mix during the year



2 Major Plant Dispatch

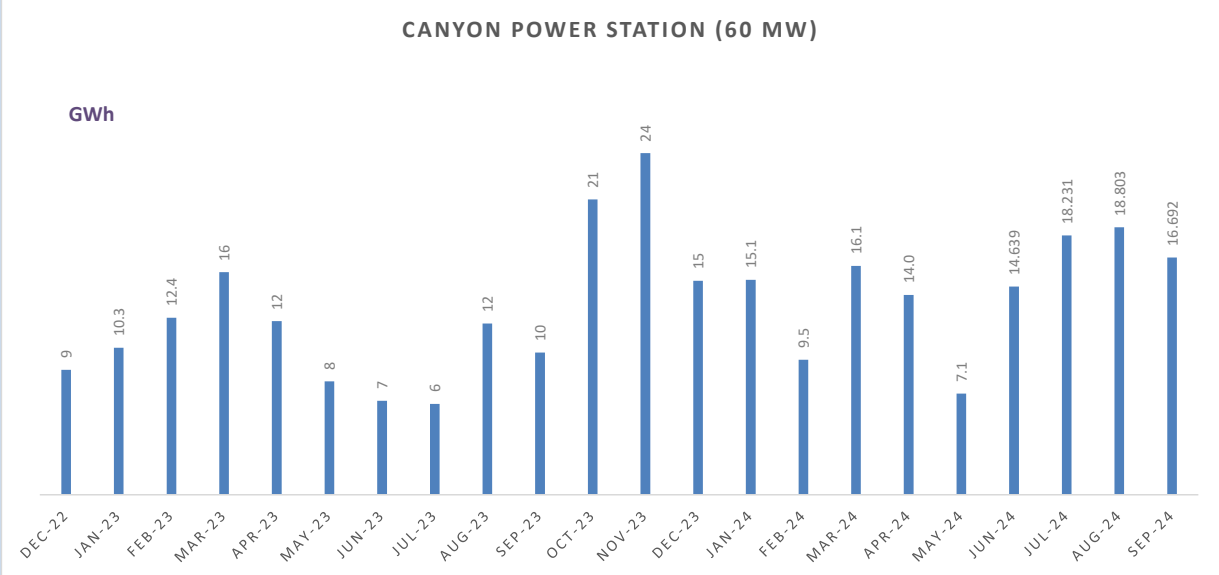
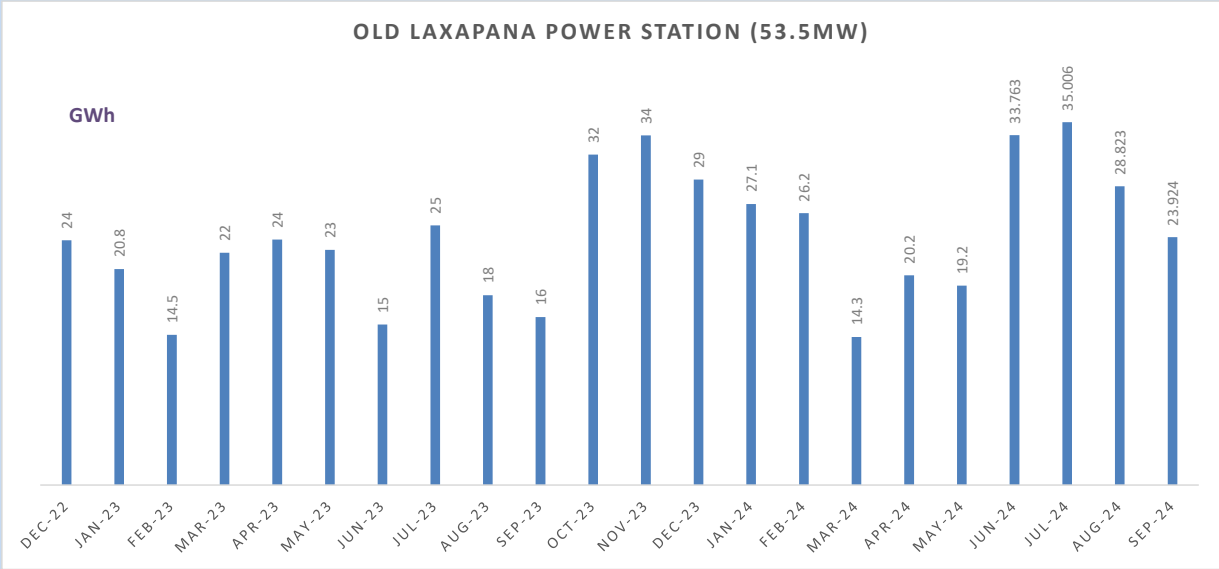
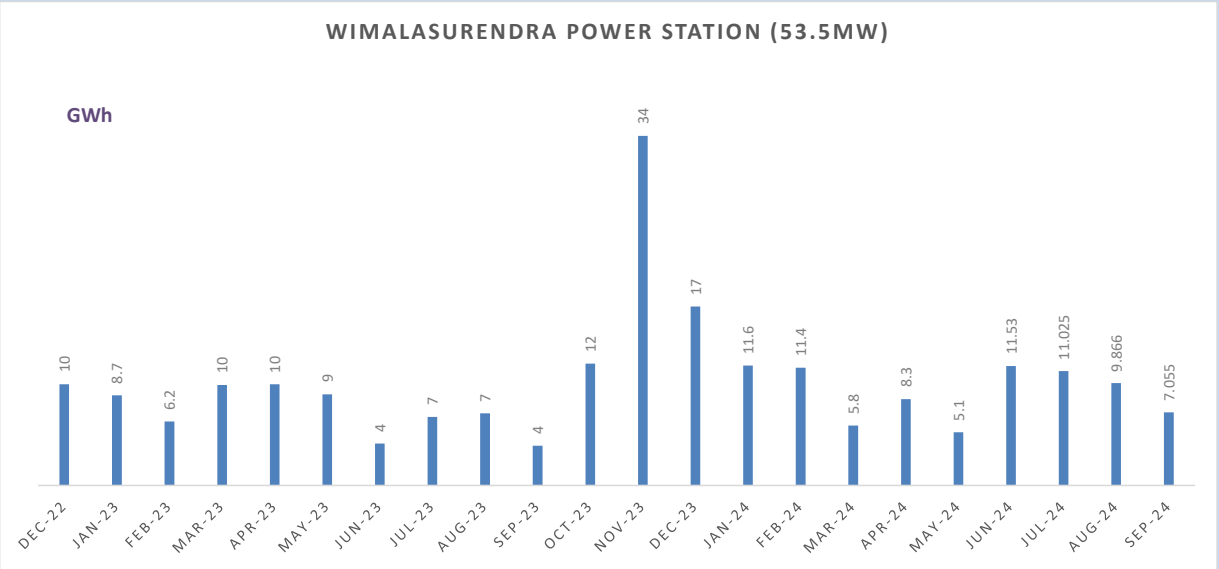
2.1 Dispatch from all Generation Major Plants in

September-24

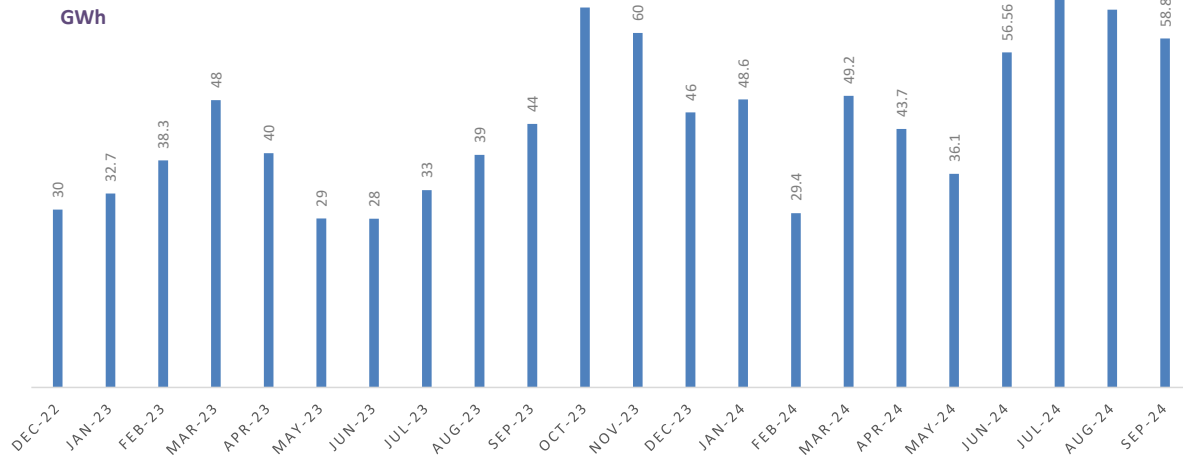
Table 04

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	7,055	19.6%
Old Laxapana	54	23,924	61.5%
Canyon	60	16,692	38.6%
New Laxapana	100	58,889	81.8%
Polpitiya	90	45,380	70.0%
Broadlands	35	12,048	47.8%
Kotmale	201	40,070	27.7%
Victoria	210	52,982	35.0%
Randenigala	122	14,515	16.5%
Rantambe	50	5,787	16.1%
Ukuwela	40	15,892	55.2%
Bowatenna	40	10,473	36.4%
Upper Kotmale	150	26,294	24.3%
Nilambe	3	544	25.2%
Samanalawewa	120	21,651	25.1%
Kukule	75	44,080	81.6%
Inginiyagala	120	4,807	5.6%
Udawalawe	6	315	7.3%
Puttalam Coal I	270	171,694	88.3%
Puttalam Coal II	270	166,806	85.8%
Puttalam Coal III	270	183,788	94.5%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	165	2,474	2.1%
Sapugaskanda A	64	10,006	21.7%
Sapugaskanda B	72	21,250	41.0%
Uthura Janani	24	8,141	47.1%
Barge CEB	60	28,948	67.0%
CEB - Hambantota	24	29	0.2%
CEB - Mathugama	16	10	0.1%
KCCPS -2	163	0	0.0%
West Coast	270	53,840	27.7%

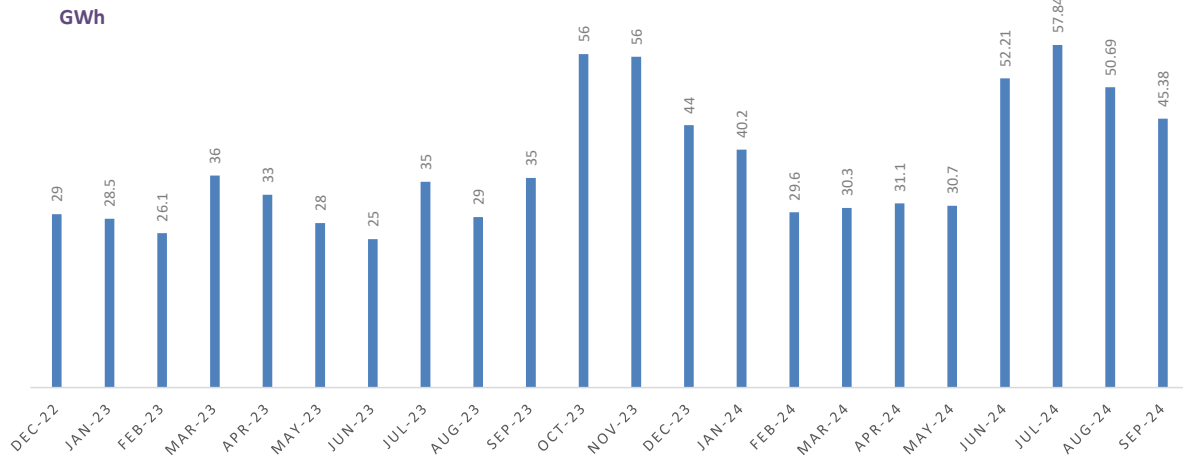
2.3 Generation of Major Power Plants From Last Year



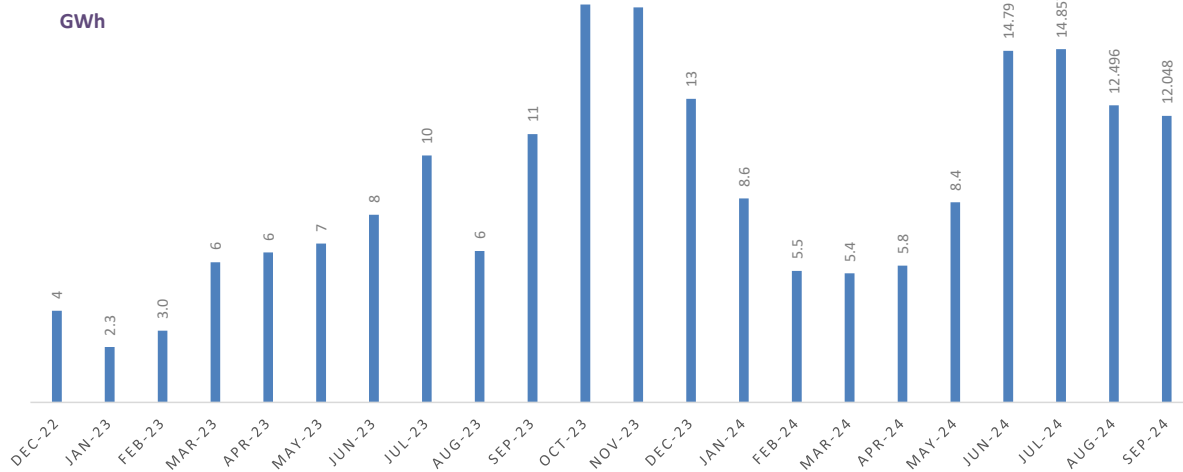
NEW LAXAPANA POWER STATION (115 MW)



POLPITIYA POWER STATION (90 MW)

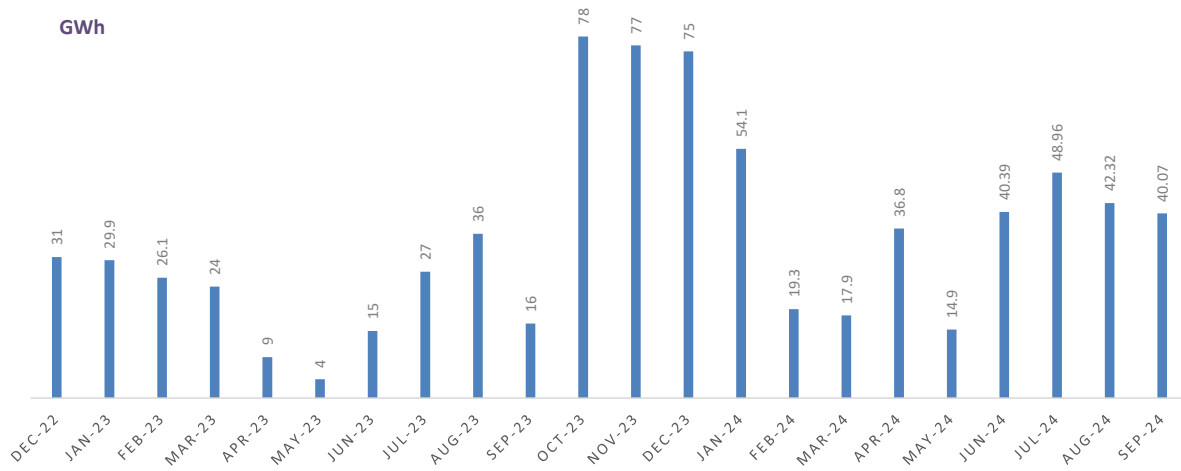


BROADLANDS POWER STATION (35 MW)



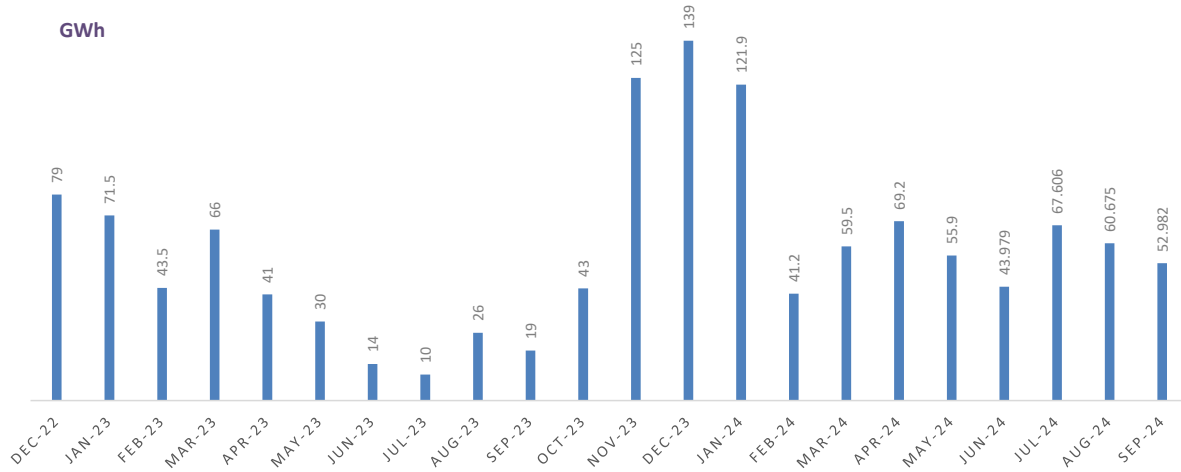
KOTMALE POWER STATION (201 MW)

GWh



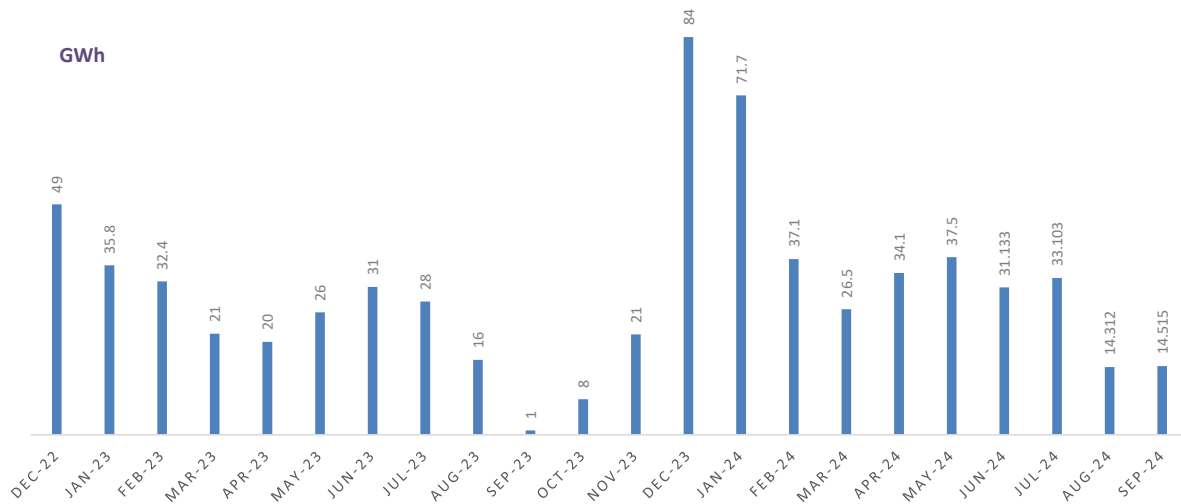
VICTORIA POWER STATION (225 MW)

GWh

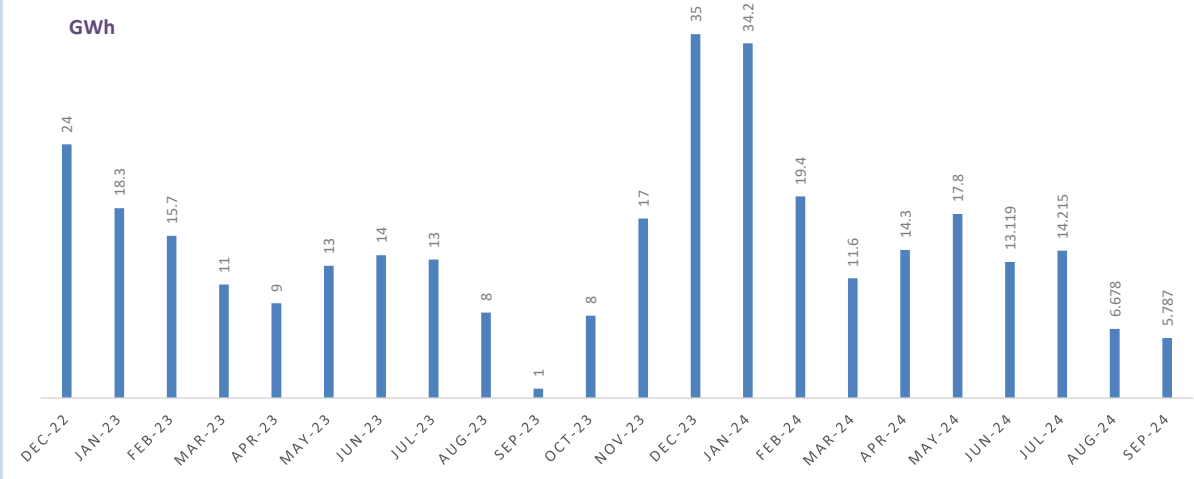


RANDENIGALA POWER STATION (114 MW)

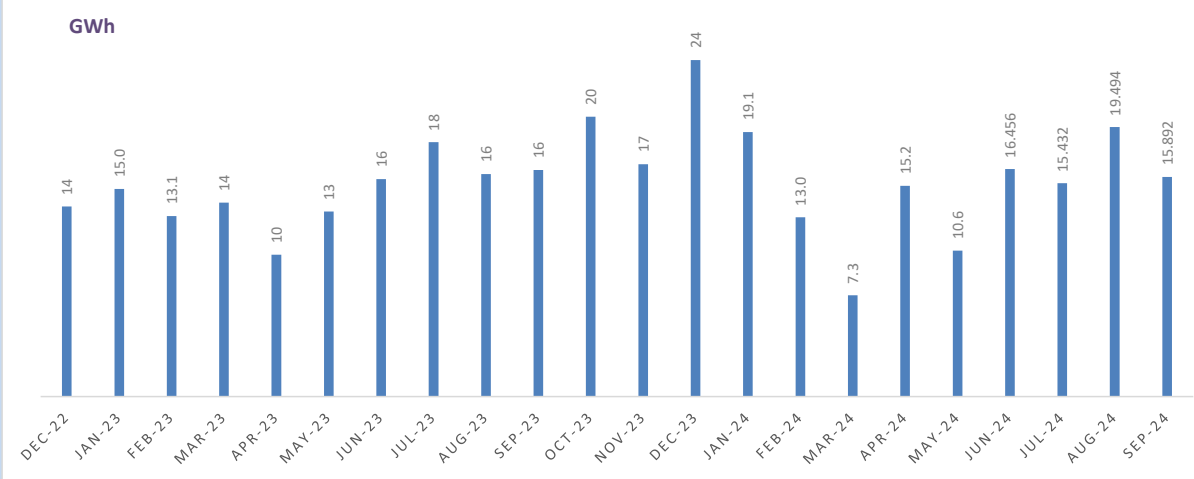
GWh



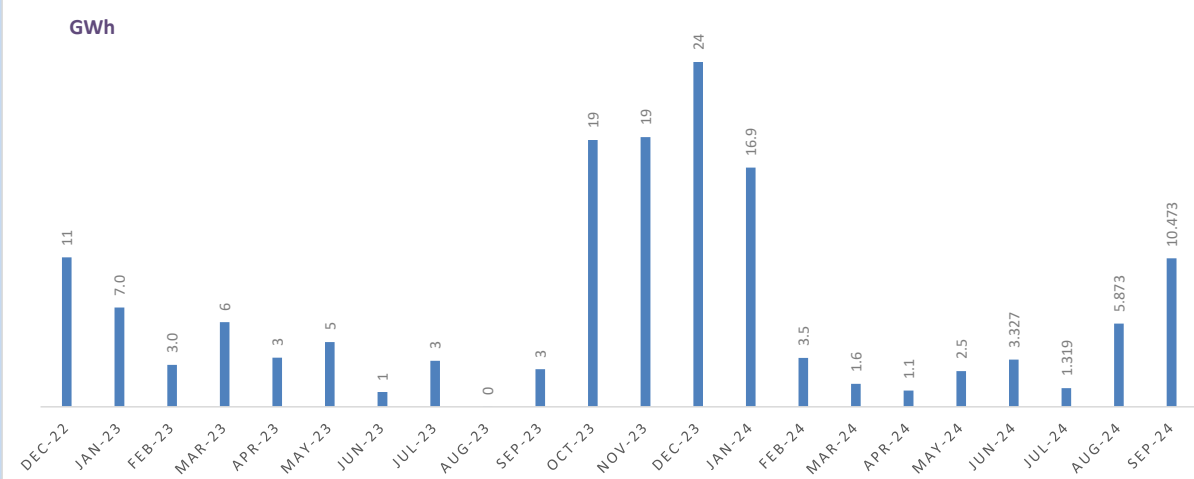
RANTAMBE POWER STATION (50 MW)



UKUWELA POWER STATION (37 MW)

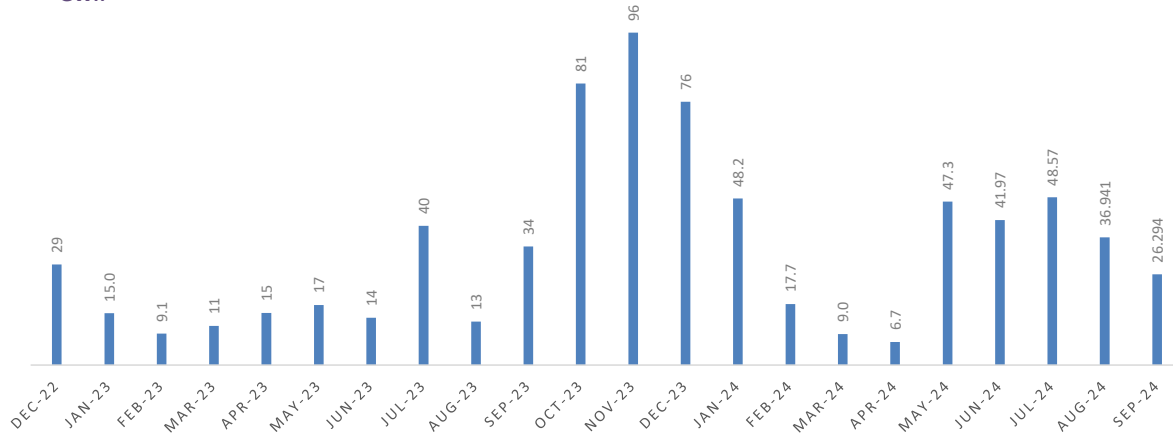


BOWATHENNA POWER STATION (40 MW)



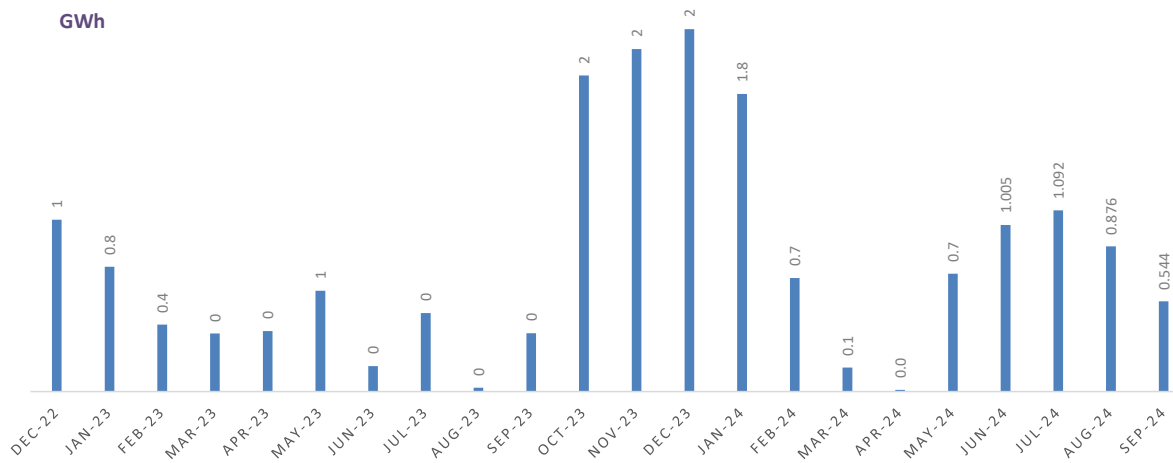
UPPER KOTMALE POWER STATION (150 MW)

GWh



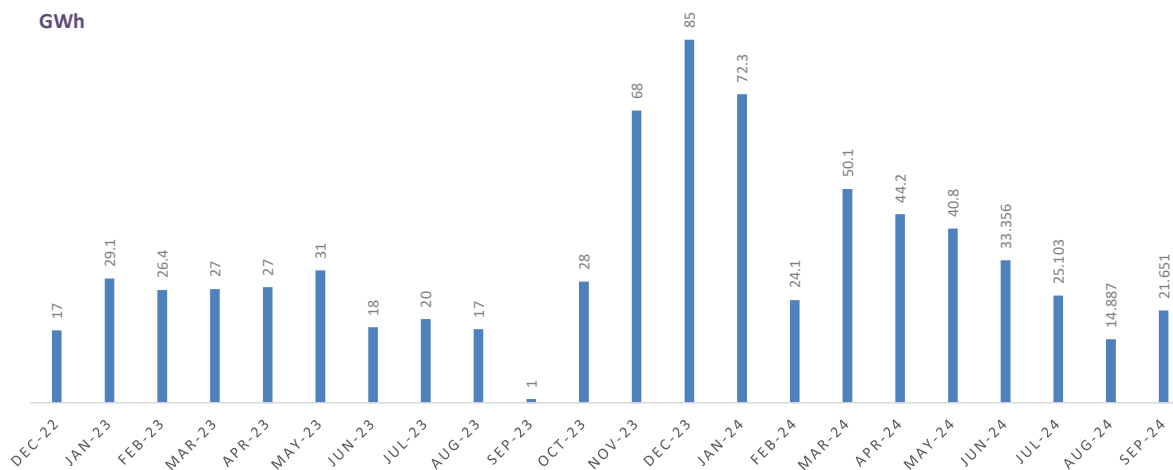
NILLAMBE POWER STATION (3 MW)

GWh



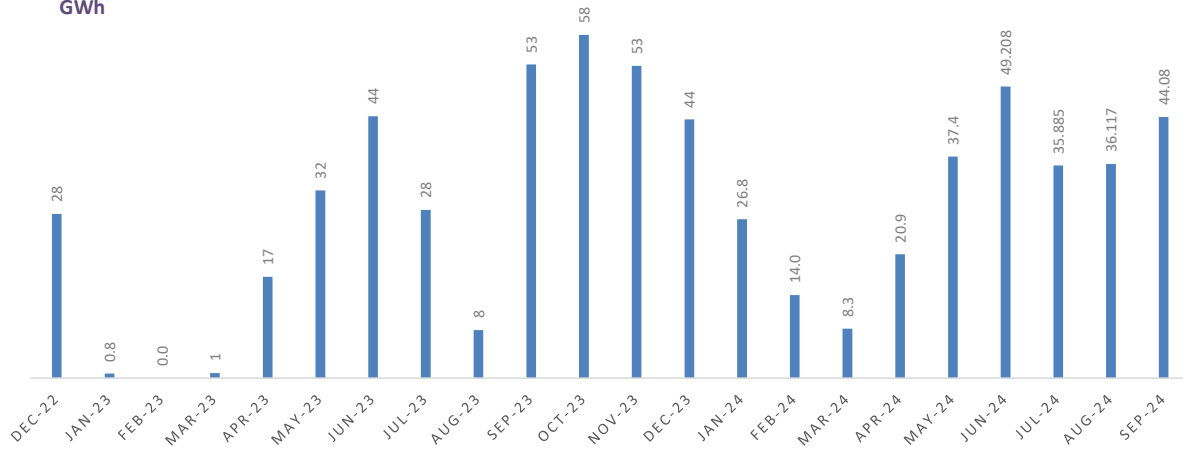
SAMANALAWEWA POWER STATION (120 MW)

GWh



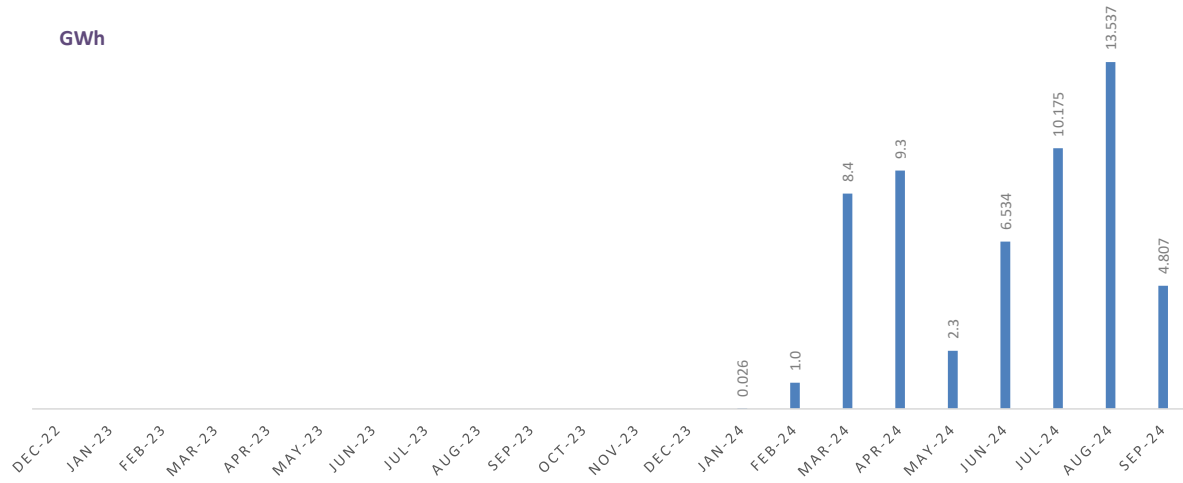
KUKULE POWER STATION (75 MW)

GWh



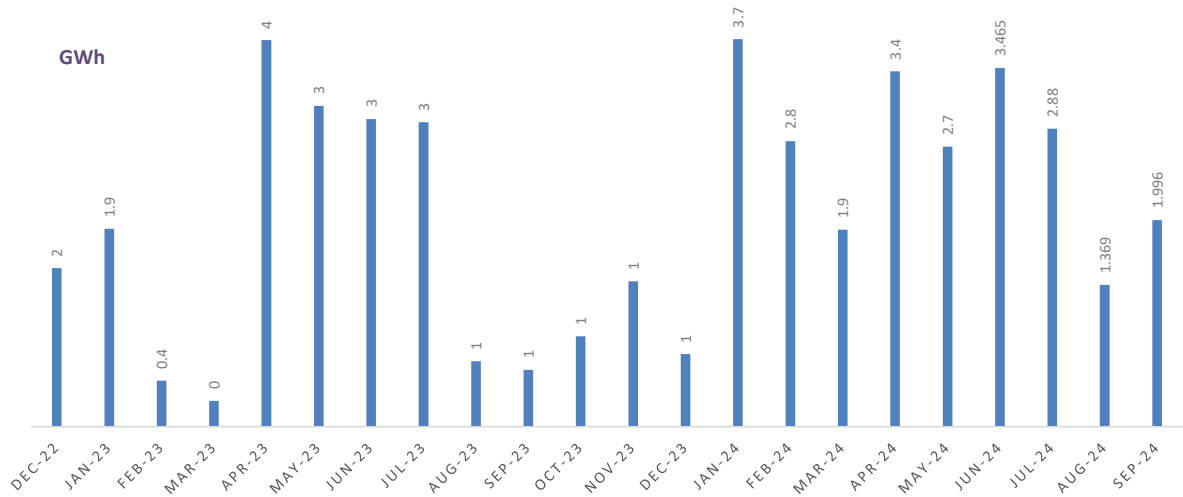
UMA OYA POWER STATION (150 MW)

GWh



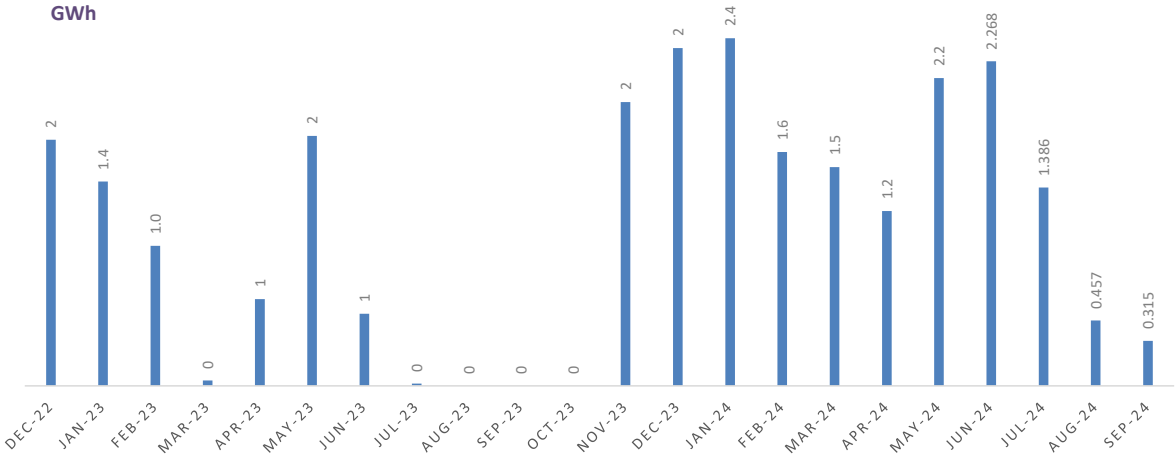
INGINIYAGALA POWER STATION (11 MW)

GWh



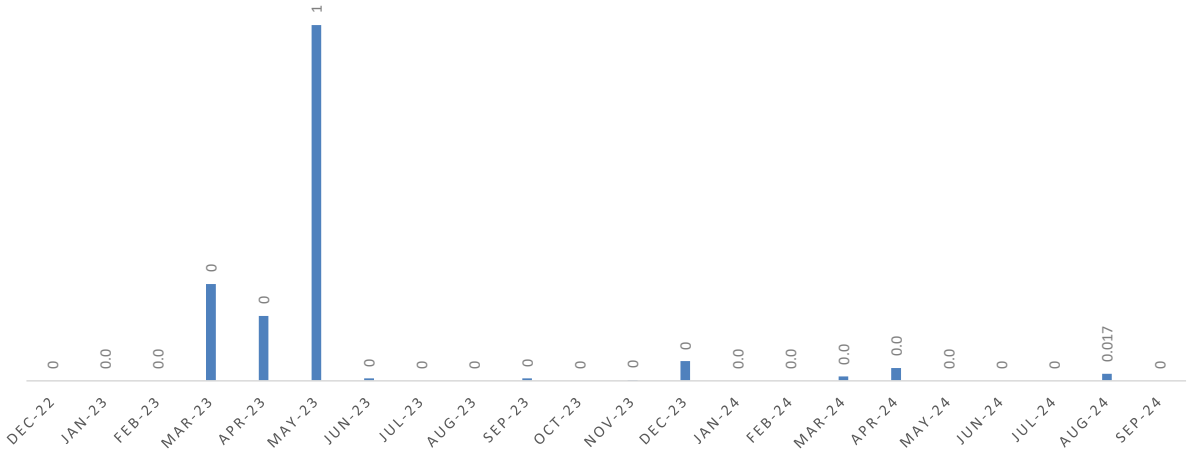
UDAWALAWE POWER STATION (6 MW)

GWh



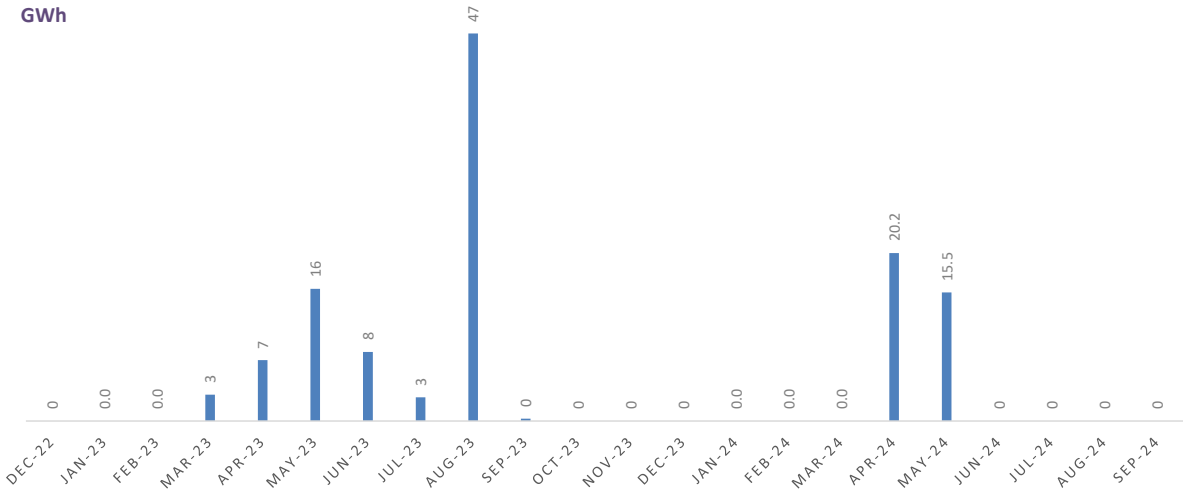
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)

GWh



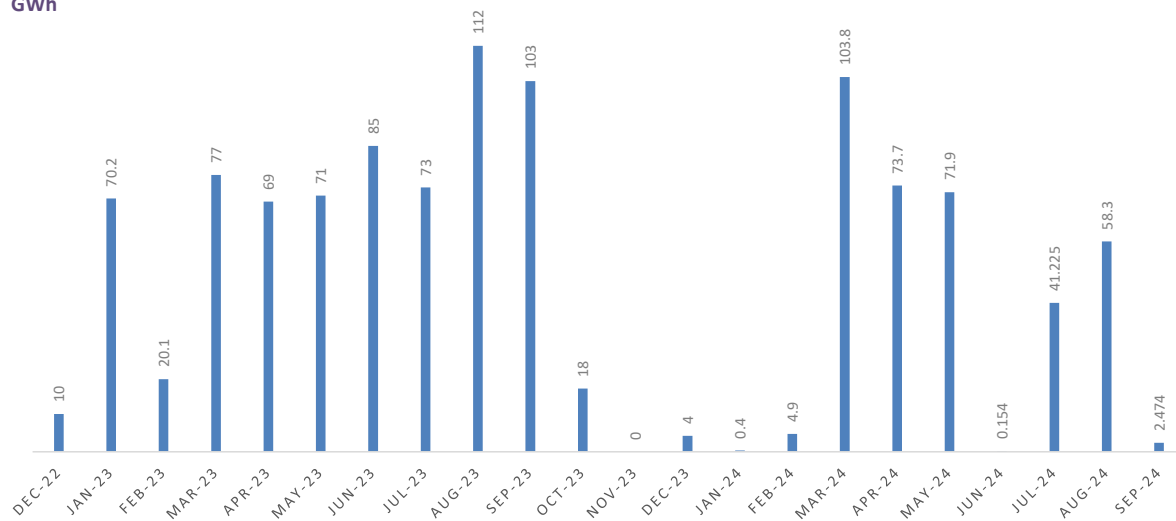
KELANITISSA GT 7 (115 MW)

GWh



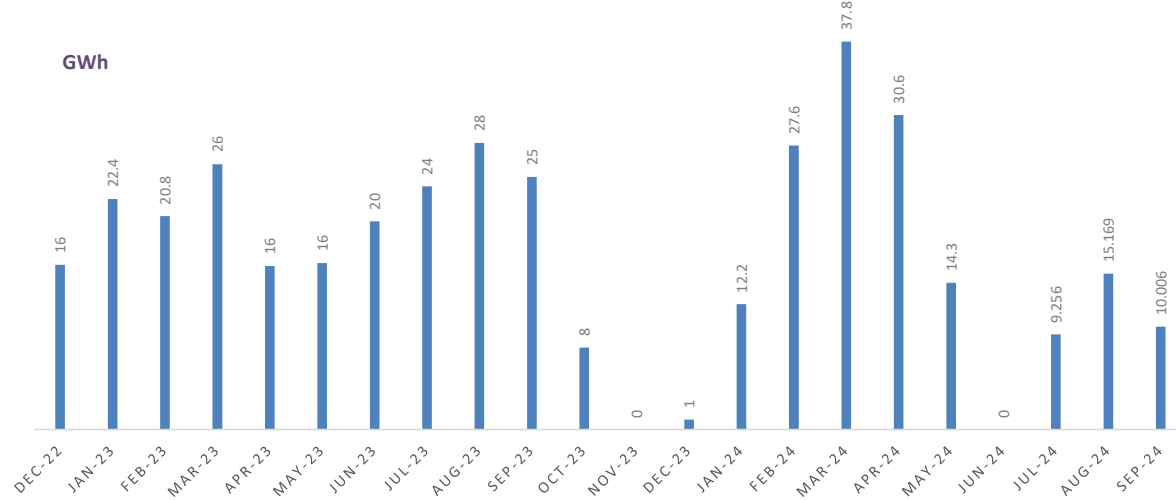
GWh

KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



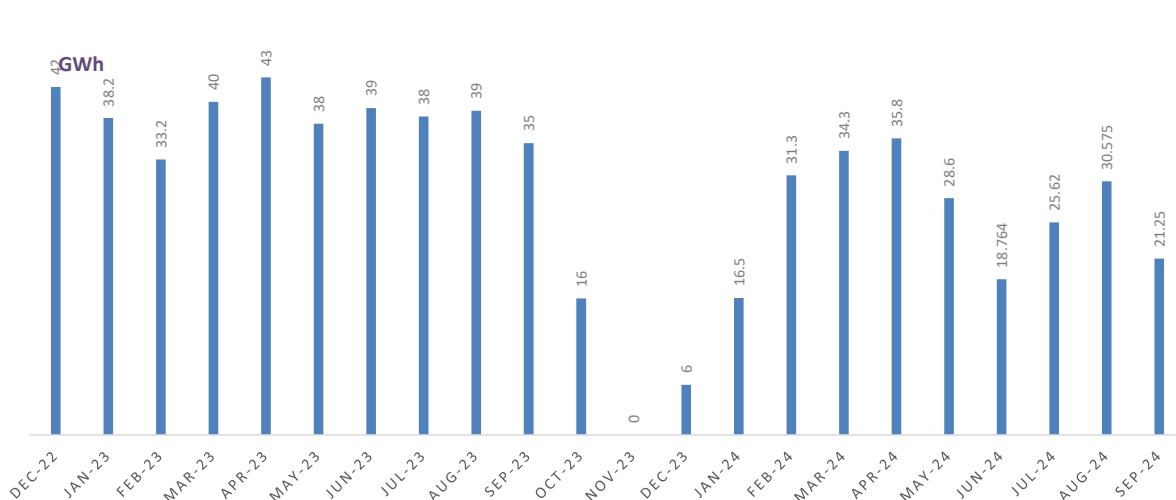
GWh

SAPUGASKANDA - A POWER STATION (80 MW)



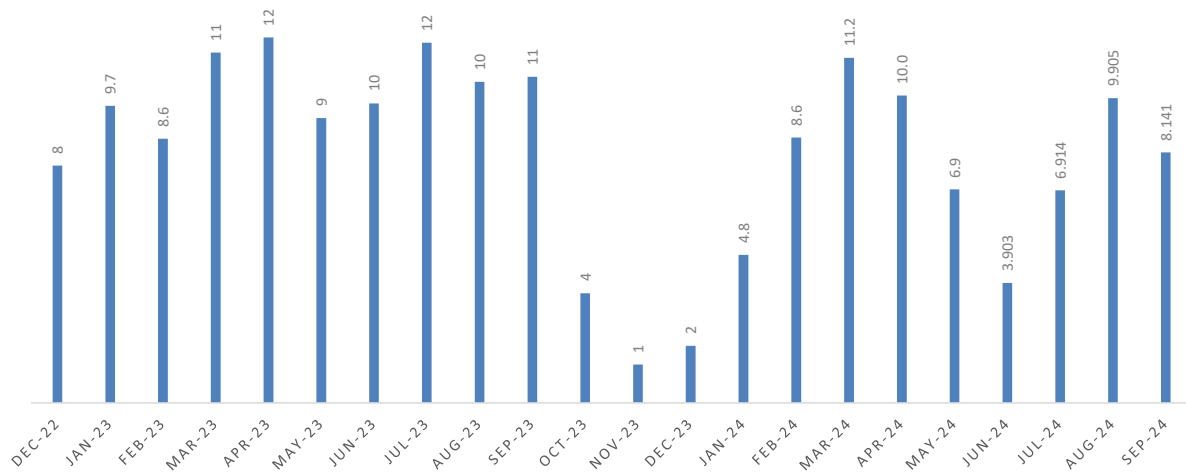
GWh

SAPUGASKANDA - B POWER STATION (80 MW)



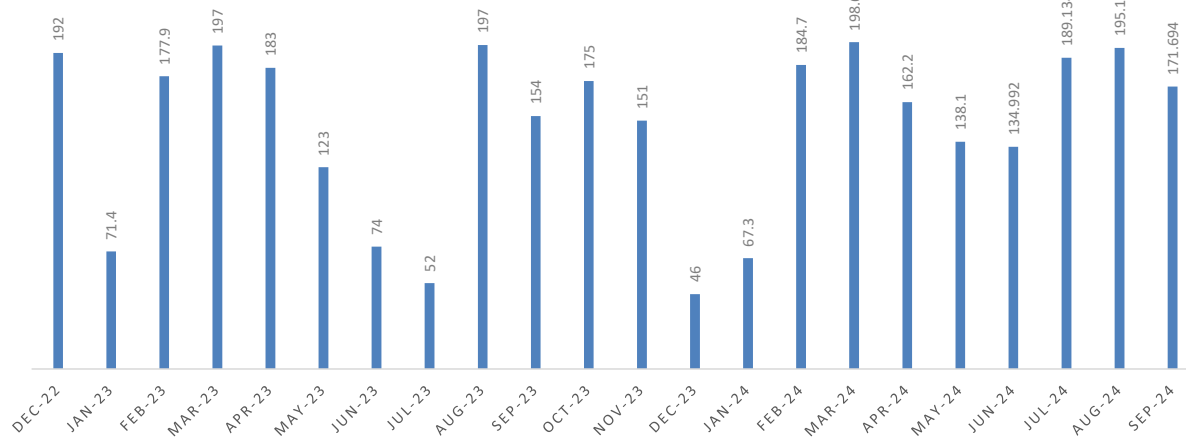
UTHURU JANANEE POWER STATION (24 MW)

GWh



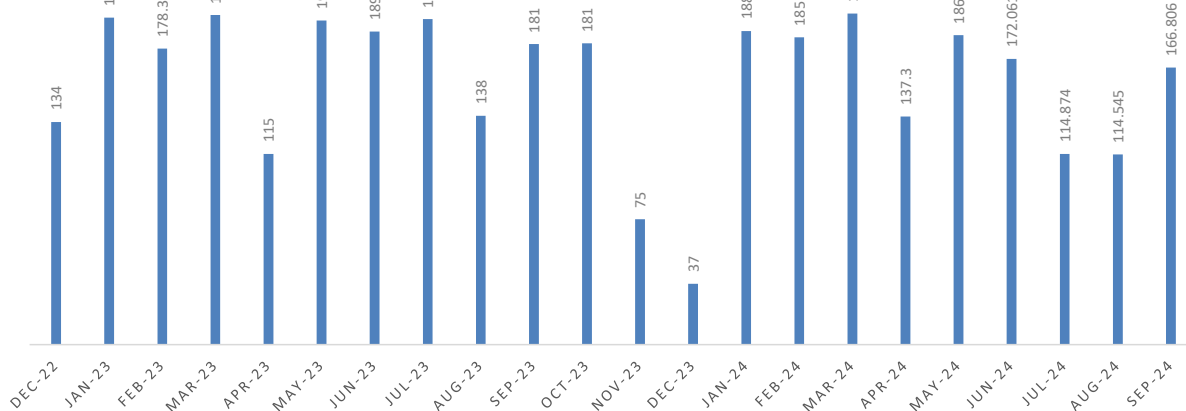
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)

GWh

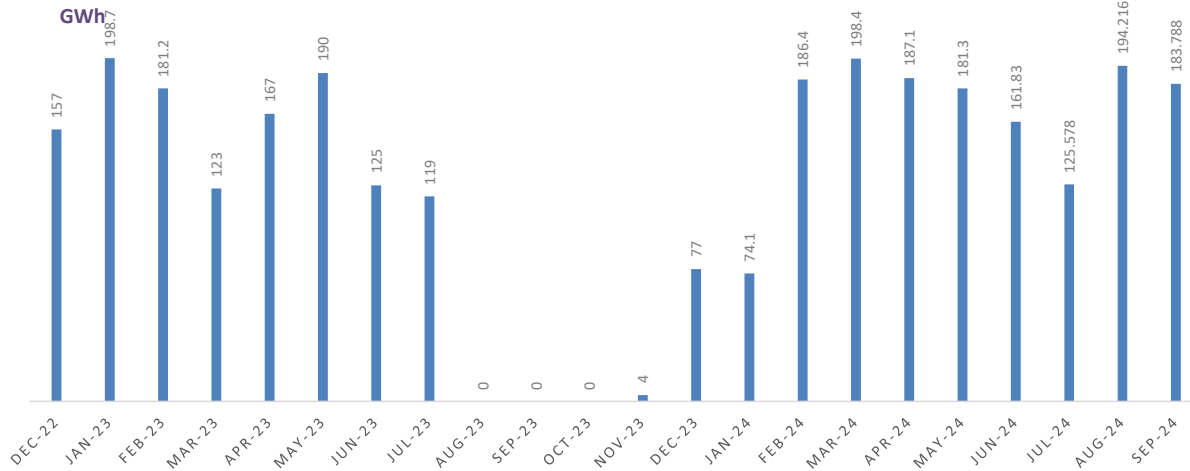


LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)

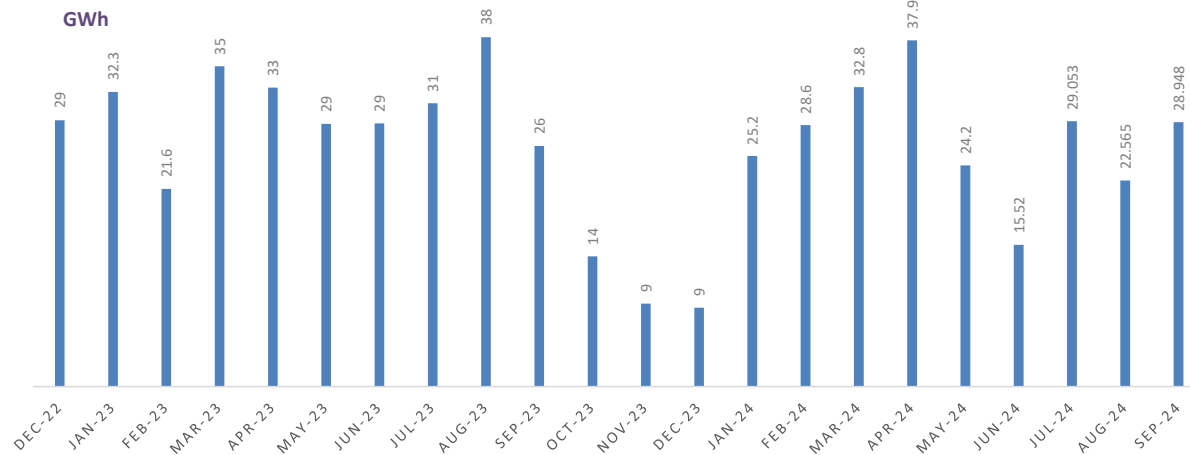
GWh



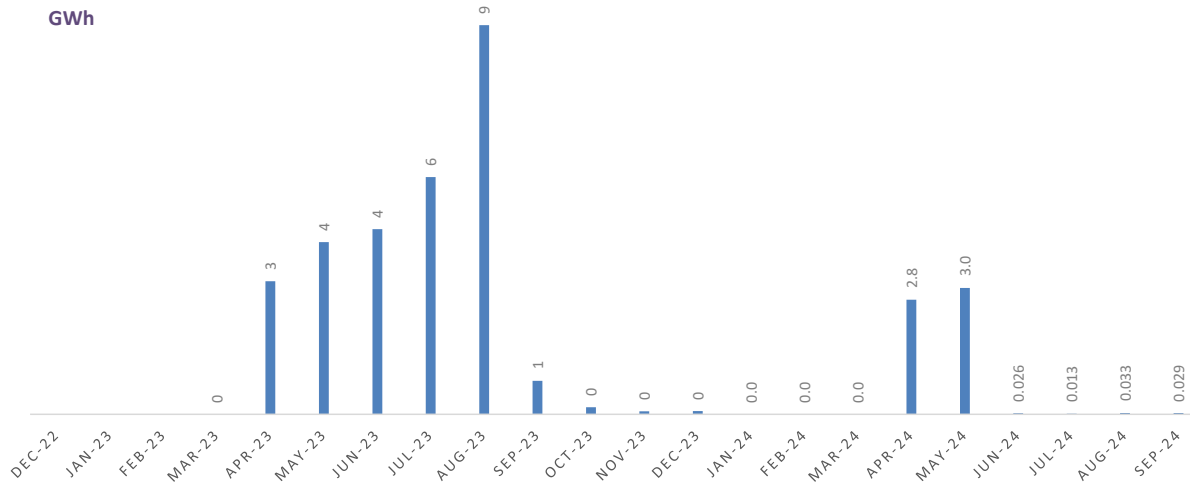
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



BARGE POWER STATION - CEB (60 MW)

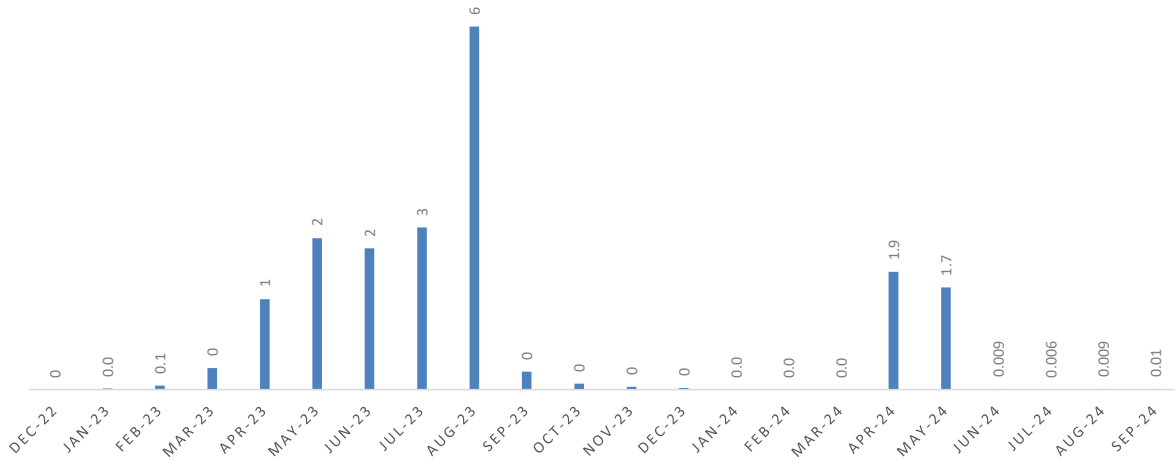


HAMBANTOTA - CEB (24 MW)



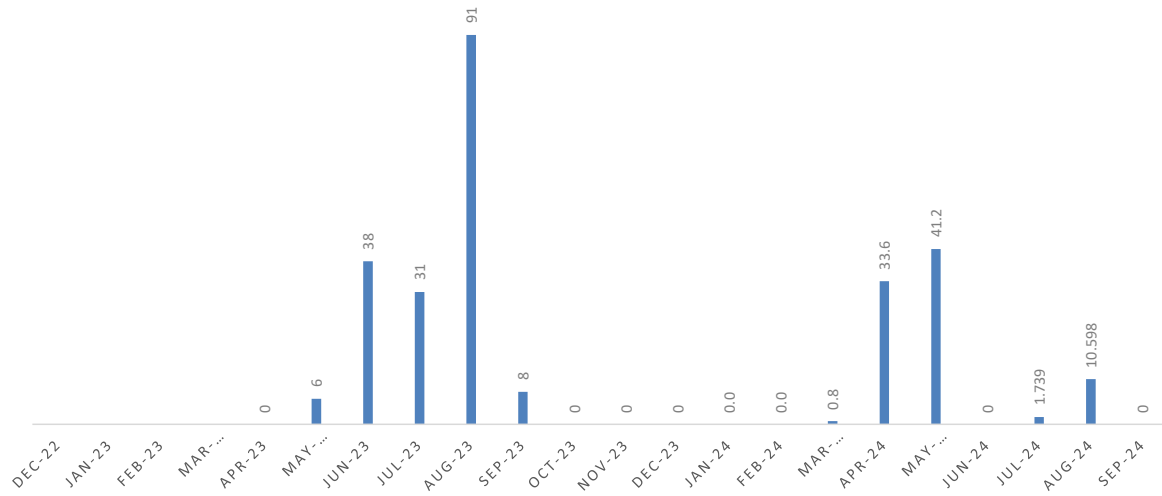
MATHUGAMA - CEB (16 MW)

GWh



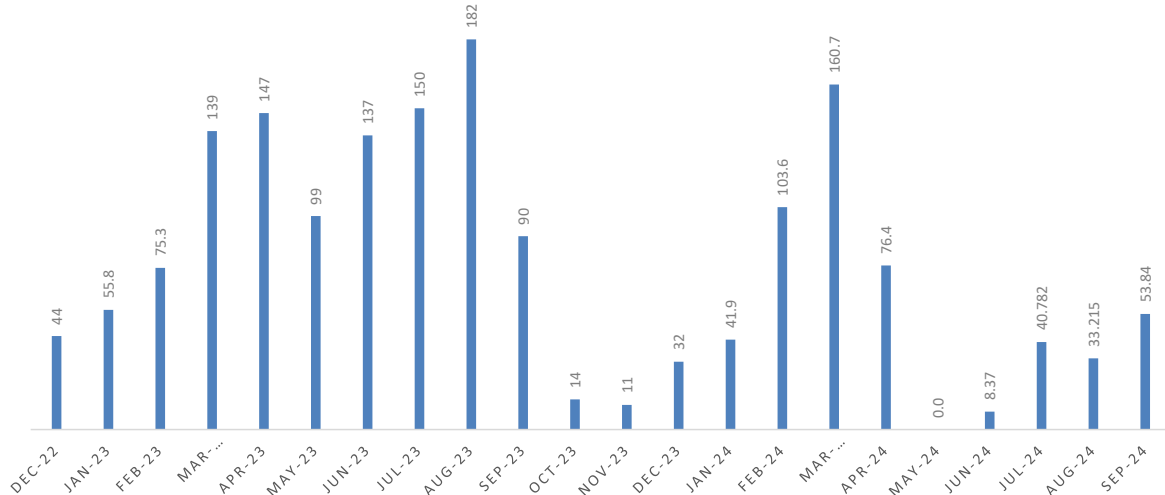
KCCPS - 02 POWER STATION (163 MW)

GWh



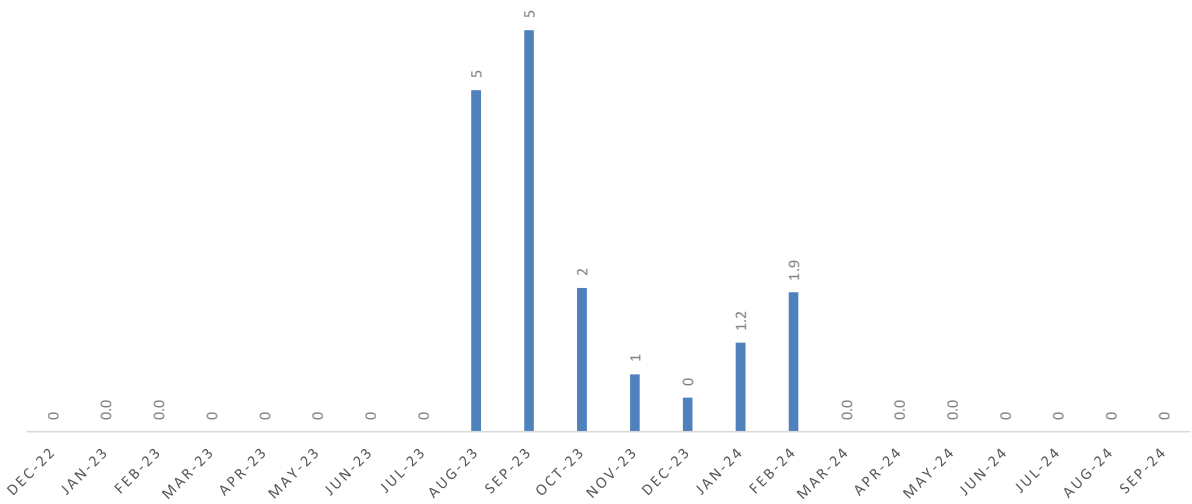
WEST COAST POWER STATION - KERAVALAPITIYA (270 MW)

GWh



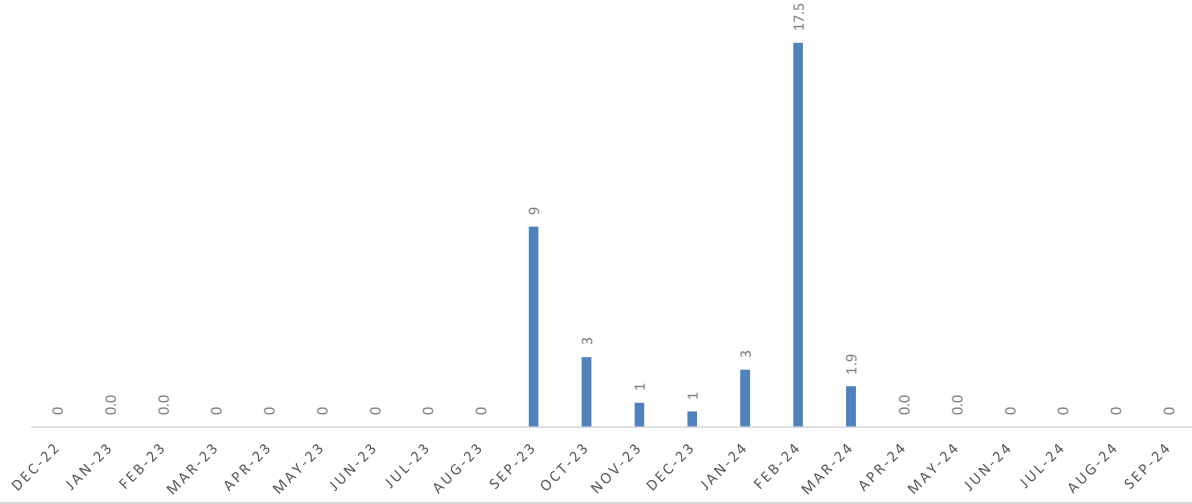
ACE - MATARA (24 MW)

GWh



ACE - EMBILIPITIYA (93 MW)

GWh



3 Peak Demand

During the month;

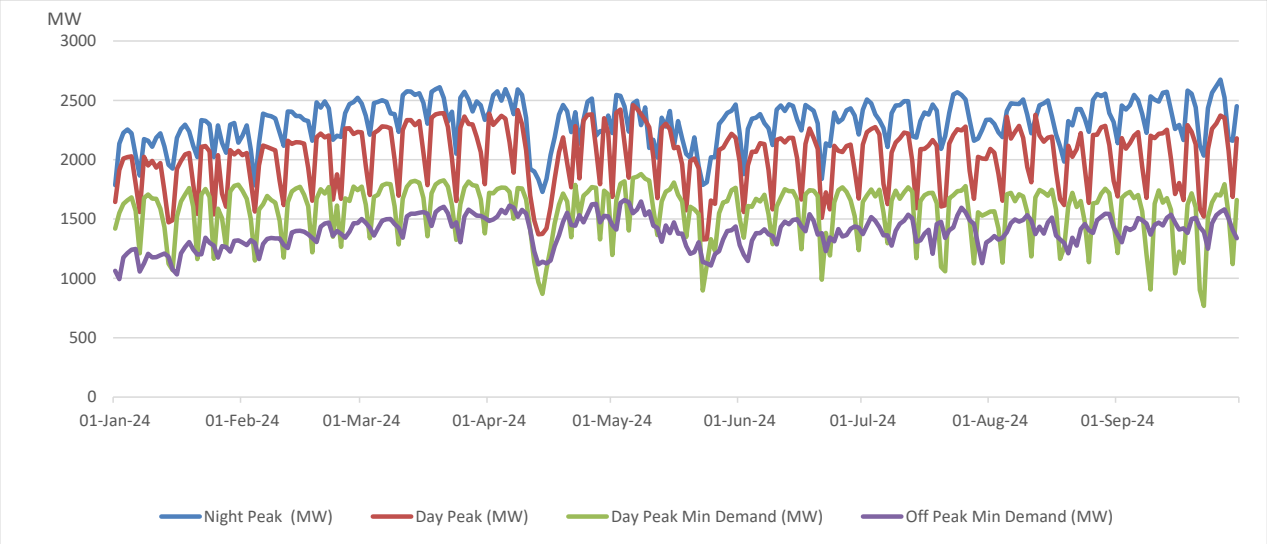
Table 05

Highest Night Peak Demand	2,675	MW
Lowest Night Peak Demand	2,035	MW
Highest Day Peak Demand	2,371	MW
Minimum Demand	768	MW

on 26-Sep
on 22-Sep
on 26-Sep
on 22-Sep

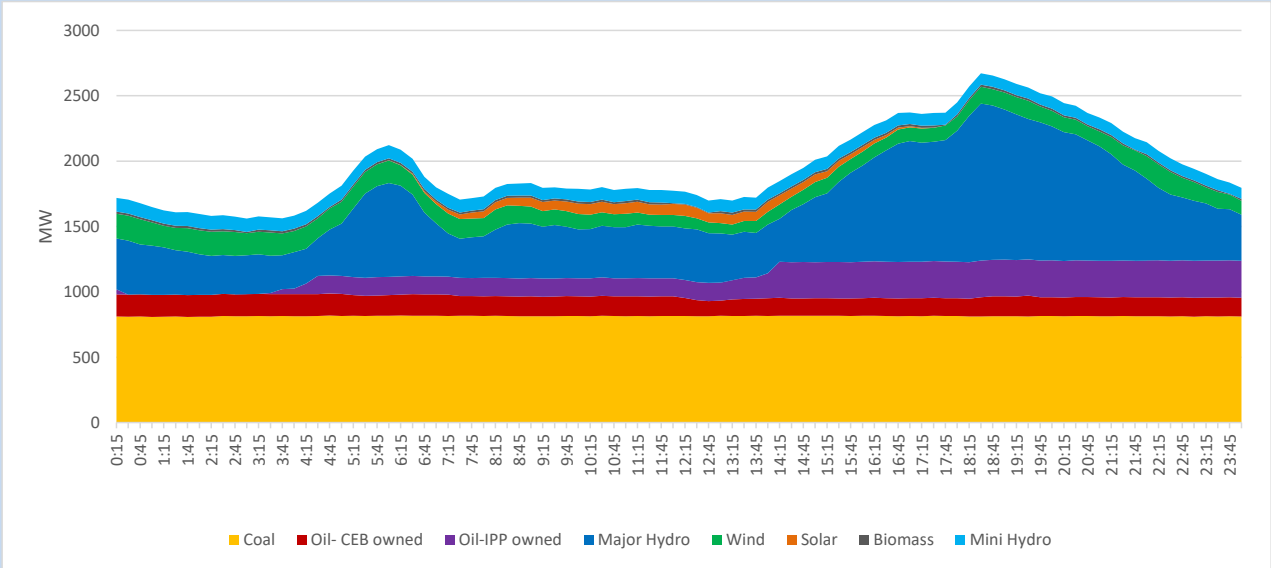
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

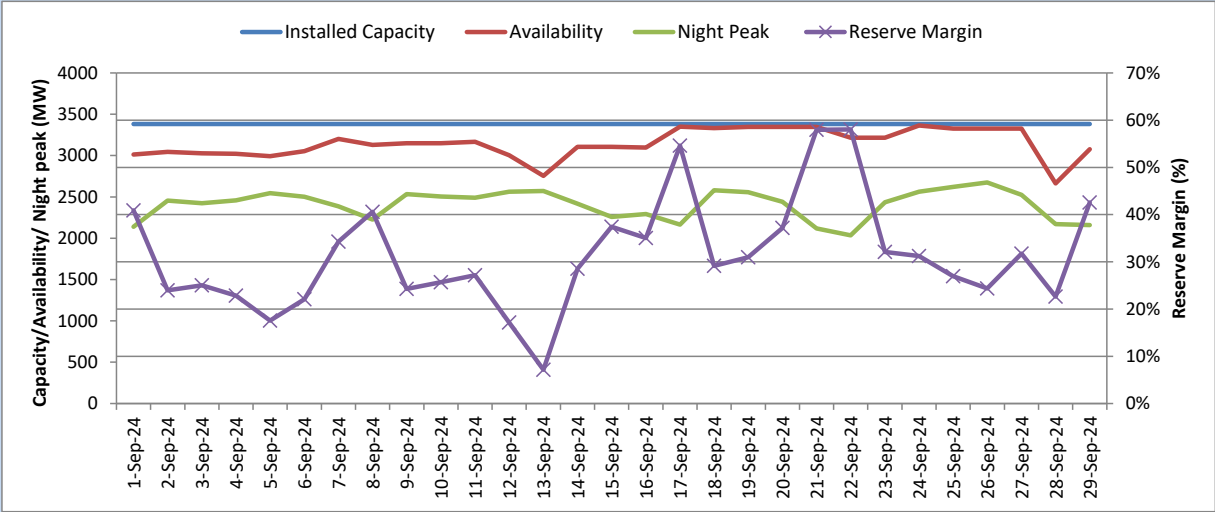


3.2 Load Curve of the Day with Highest Night Peak ,

26-Sep



3.3 Variation of Reserve Margin During Night Peak



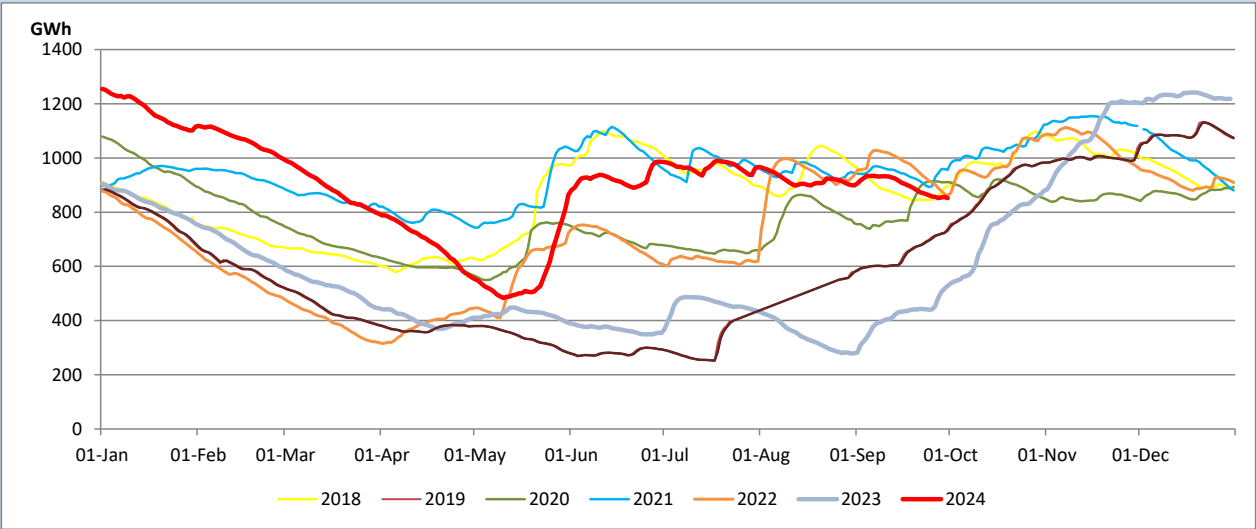
Note:Contribution from NCRE plants is not included

4 Reservoir Statistics

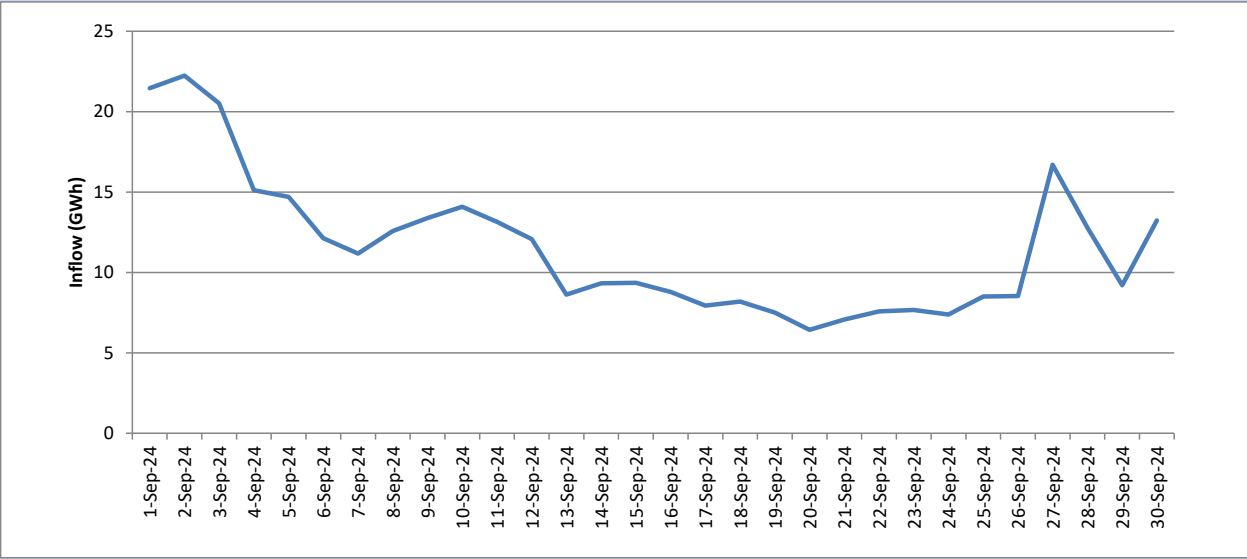
Table 05

Total Reservoir level at the beginning of the month	917	GWh
Total Reservoir level at the end of the month	850.1	GWh
Total Inflow	347.4	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

