

Monthly Generation Report

June-24



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

June-24

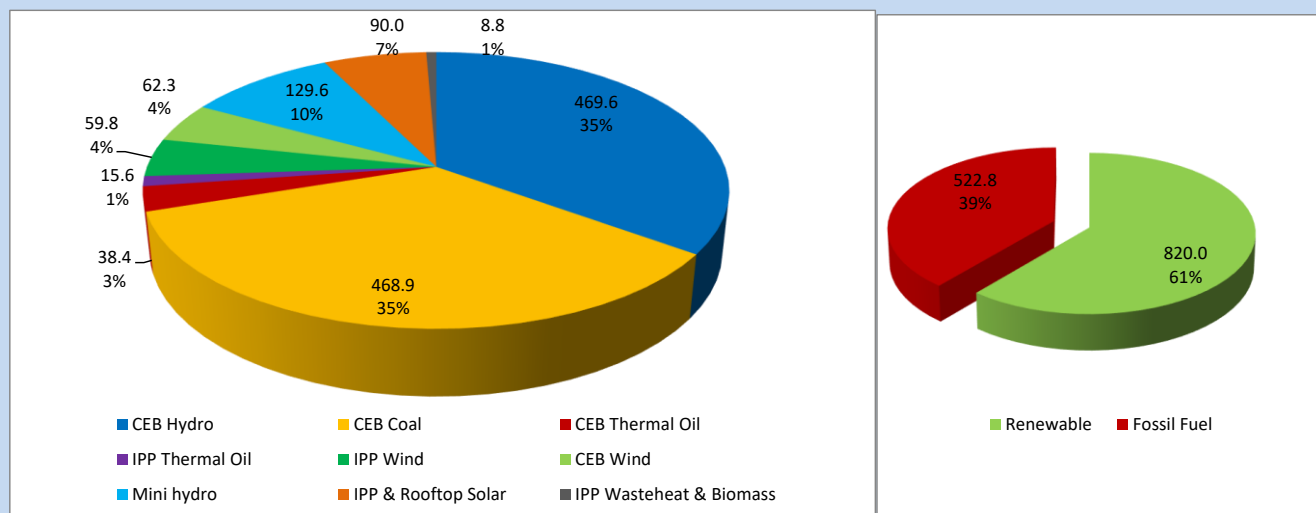


Table 01

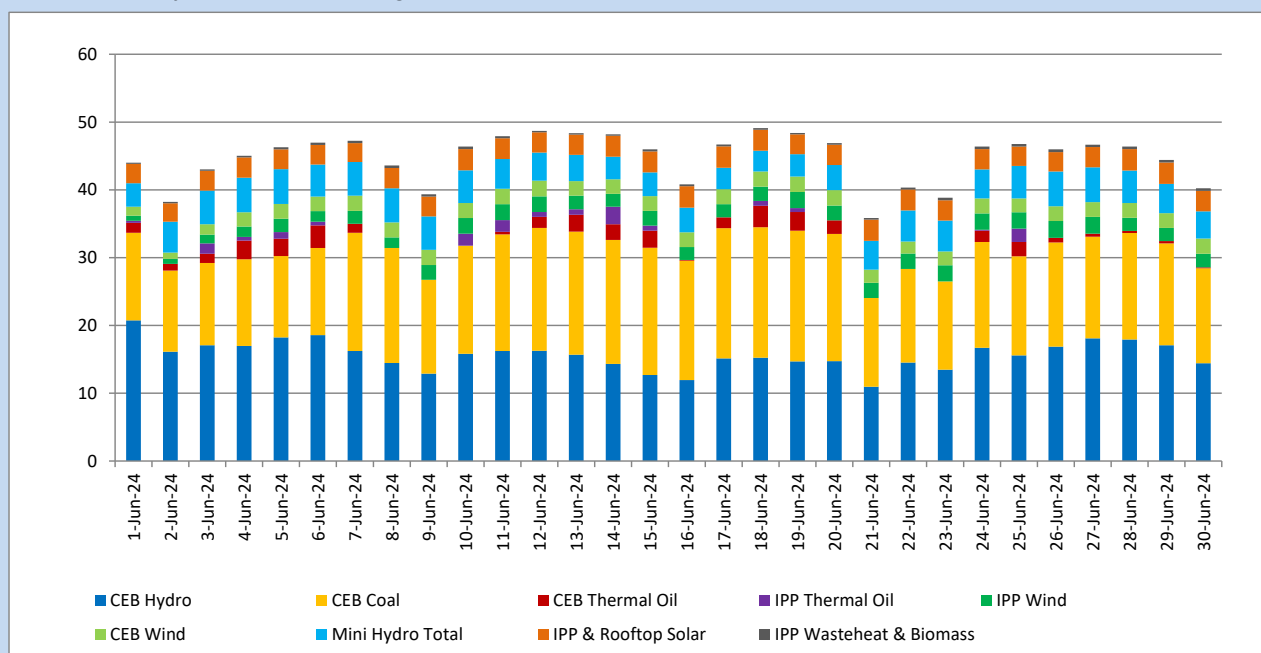
CEB Hydro	470	GWh
CEB Coal	469	GWh
CEB Thermal Oil	38	GWh
IPP Thermal Oil	16	GWh
IPP Wind	60	GWh
CEB Wind	62	GWh
Mini Hydro (Including non telemetered)	130	GWh
IPP Solar (Including estimated figures)	90	GWh
IPP Wasteheat + Biomass	9	GWh
Total Generation (Including estimated figures)	1,343	GWh

Total Generation = 1,343 GWh

Total Estimated Unserved Energy duty power cut = 0 GWh

Estimated total generation from Mini hydro, 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

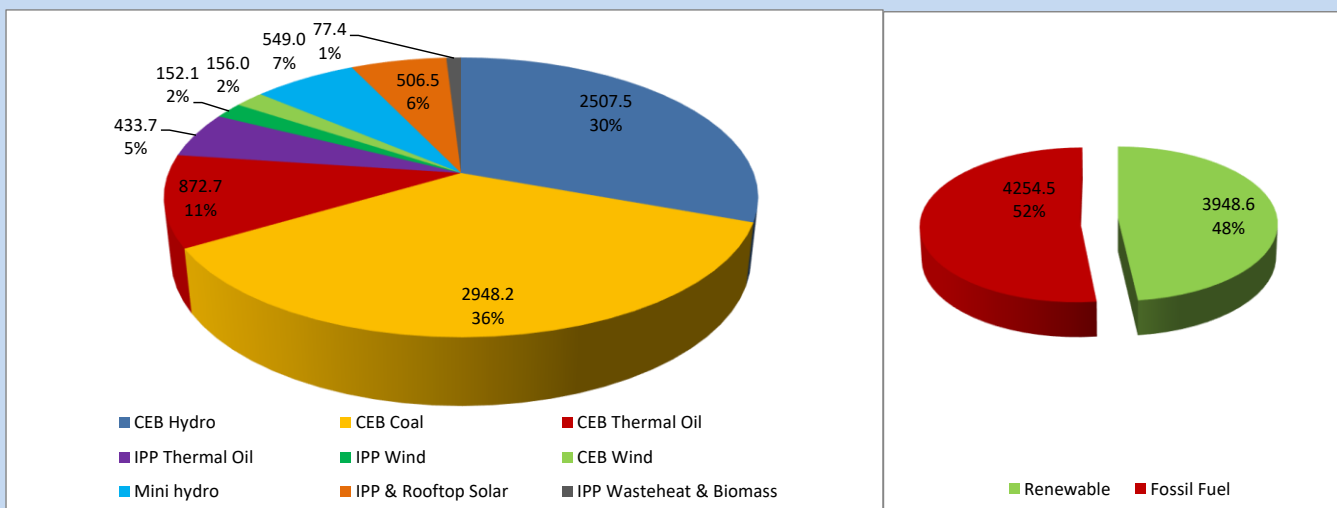


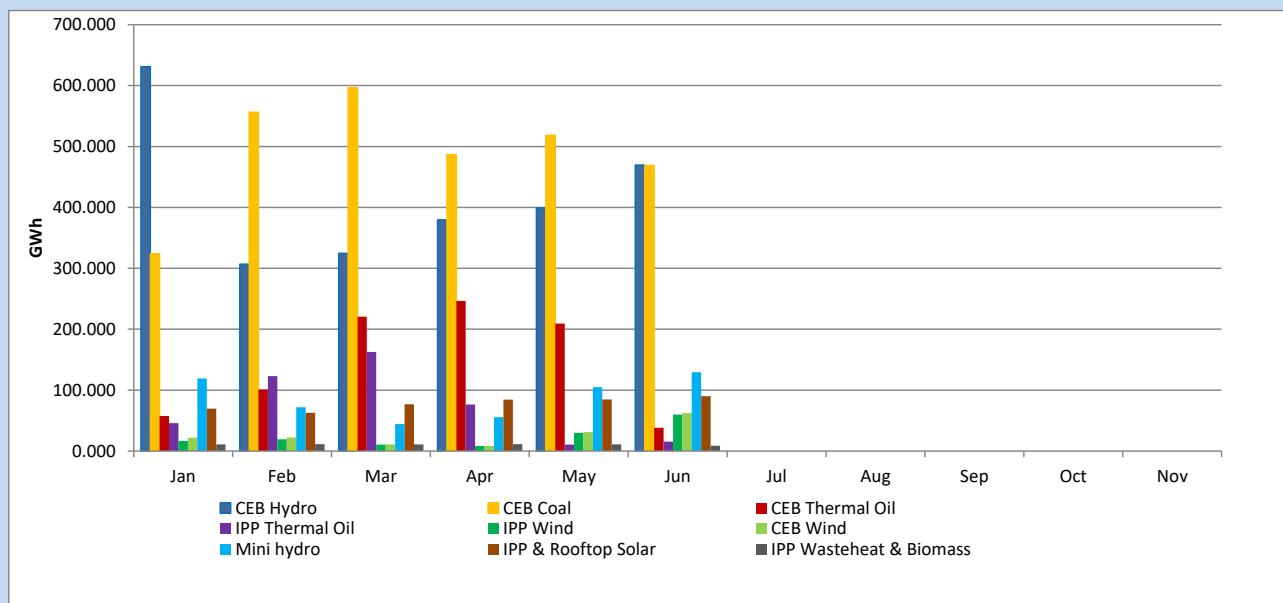
Table 02

CEB Hydro	2507.54	GWh
CEB Coal	2948.16	GWh
CEB Thermal Oil	872.72	GWh
IPP Thermal Oil	433.66	GWh
IPP Wind	152.07	GWh
CEB Wind	155.98	GWh
Mini Hydro (Including non telemetered)	549.03	GWh
IPP Solar (Including estimated figures)	506.50	GWh
IPP Wasteheat + Biomass	77.45	GWh
Total Generation (Including estimated figures)	8203.10	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

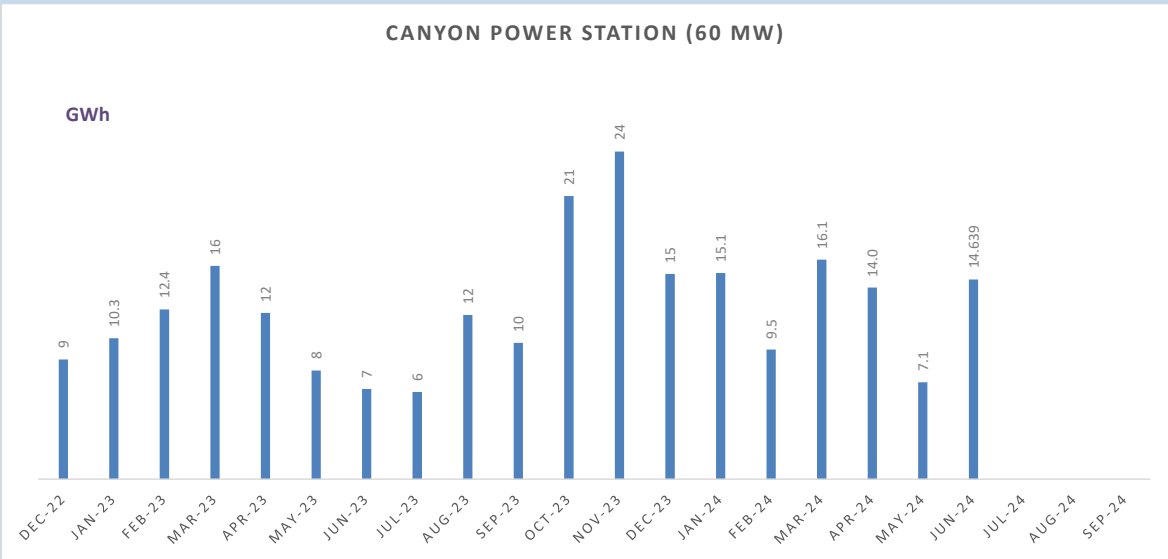
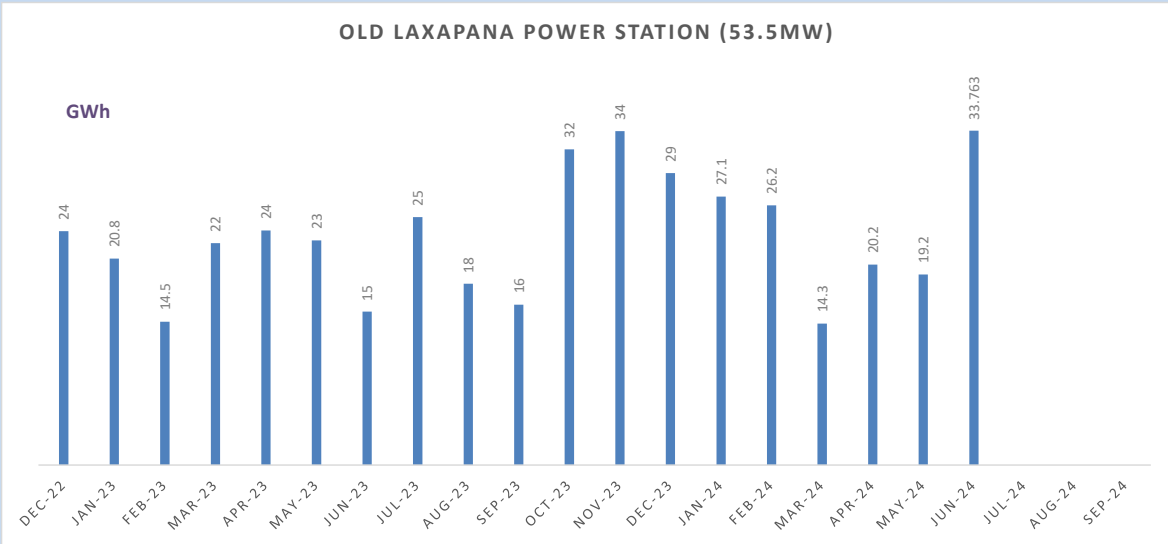
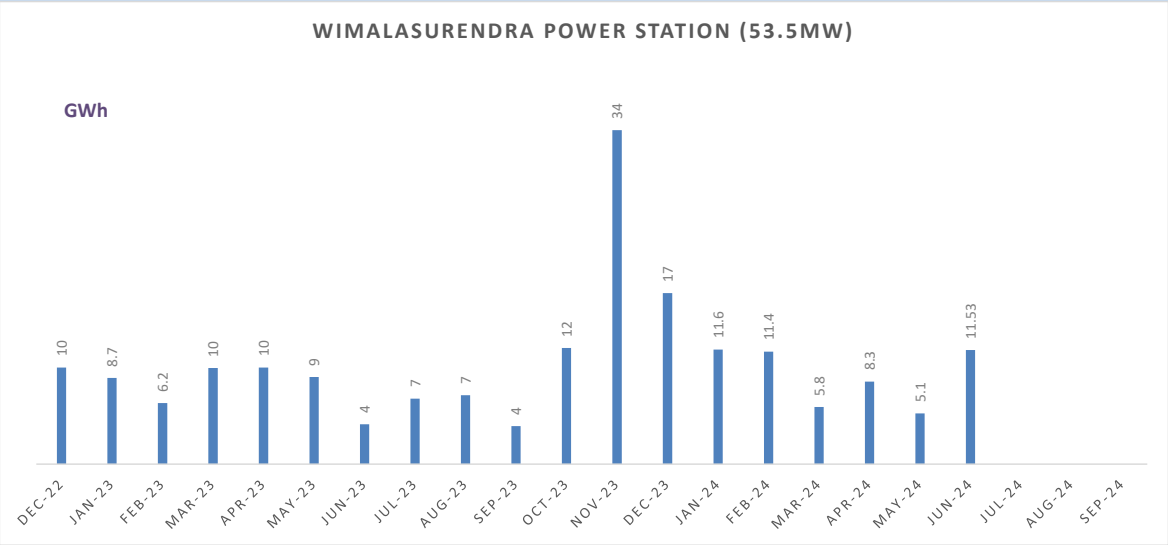
2.1 Dispatch from all Generation Major Plants in

June-24

Table 04

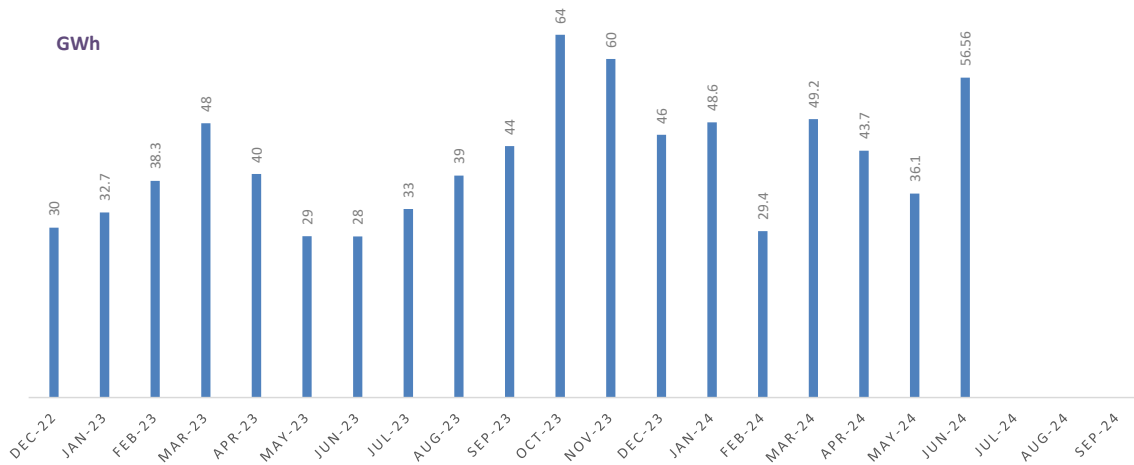
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	11,530	32.0%
Old Laxapana	54	33,763	86.8%
Canyon	60	14,639	33.9%
New Laxapana	100	56,560	78.6%
Polpitiya	90	52,210	80.6%
Broadlands	35	14,790	58.7%
Kotmale	201	40,390	27.9%
Victoria	210	43,979	29.1%
Randenigala	122	31,133	35.4%
Rantambe	50	13,119	36.4%
Ukuwela	40	16,456	57.1%
Bowatenna	40	3,327	11.6%
Upper Kotmale	150	41,970	38.9%
Nilambe	3	1,005	46.5%
Samanalawewa	120	33,356	38.6%
Kukule	75	49,208	91.1%
Inginiyagala	120	6,534	7.6%
Udawalawe	6	2,268	52.5%
Puttalam Coal I	270	134,992	69.4%
Puttalam Coal II	270	172,061	88.5%
Puttalam Coal III	270	161,830	83.2%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	165	154	0.1%
Sapugaskanda A	64	0	0.0%
Sapugaskanda B	72	18,764	36.2%
Uthura Janani	24	3,903	22.6%
Barge CEB	60	15,520	35.9%
CEB - Hambantota	24	26	0.2%
CEB - Mathugama	16	9	0.1%
KCCPS -2	163	0	0.0%
West Coast	270	8,370	4.3%

2.3 Generation of Major Power Plants From Last Year



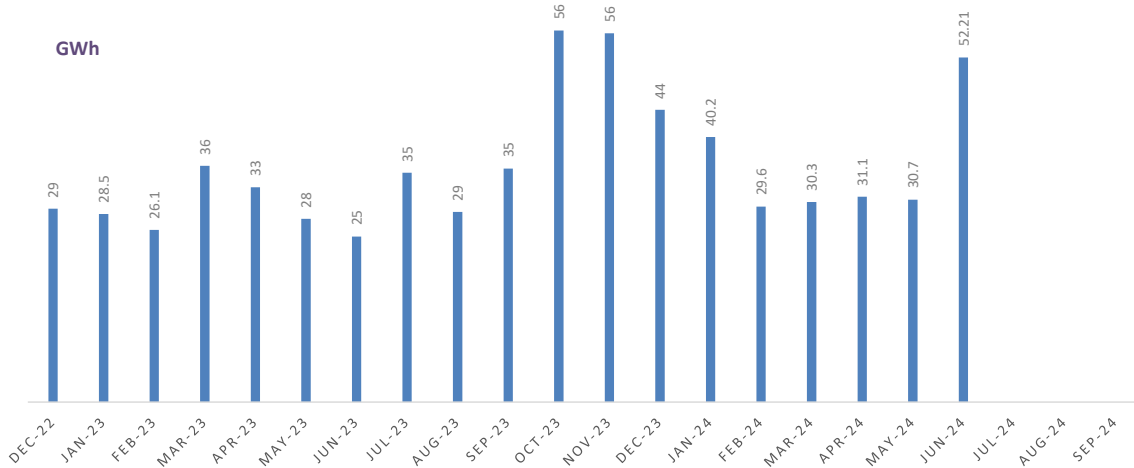
NEW LAXAPANA POWER STATION (115 MW)

GWh



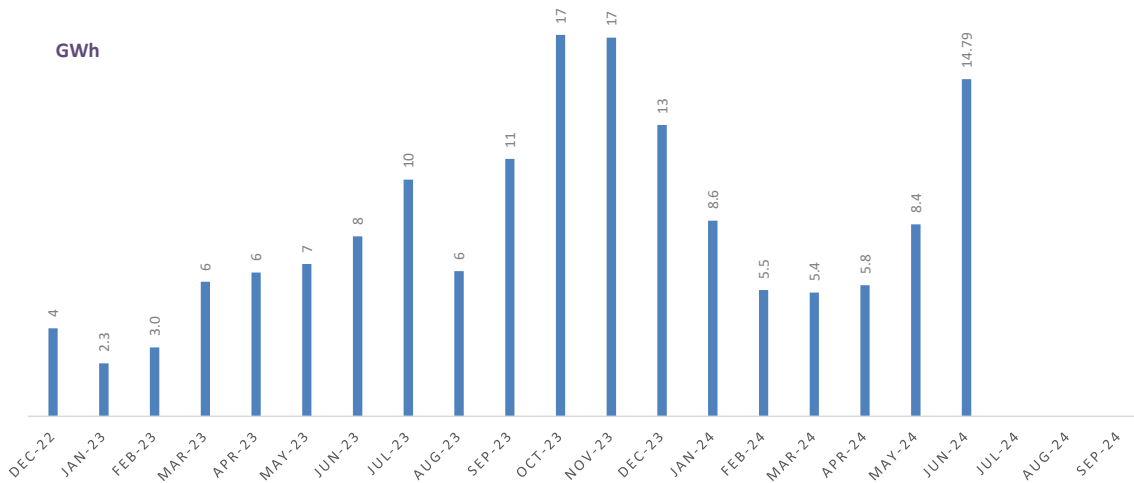
POLPITIYA POWER STATION (90 MW)

GWh



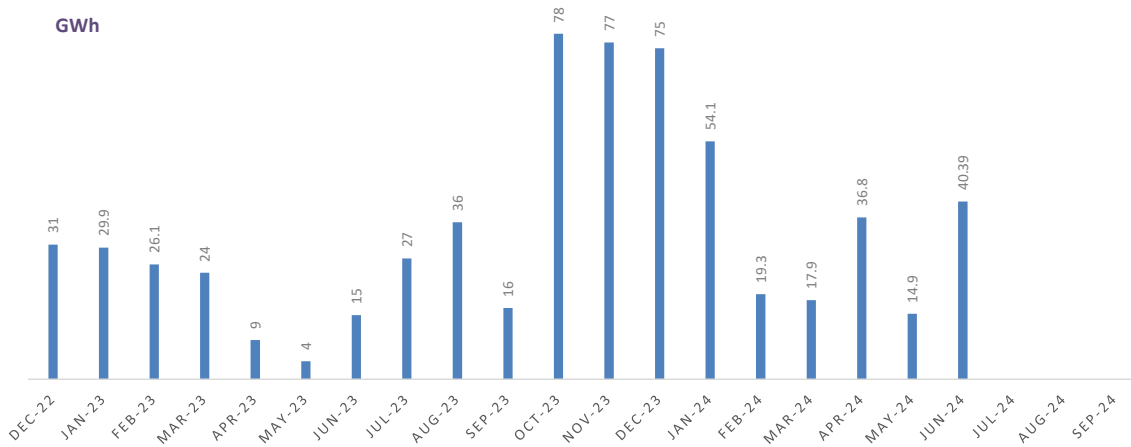
BROADLANDS POWER STATION (35 MW)

GWh



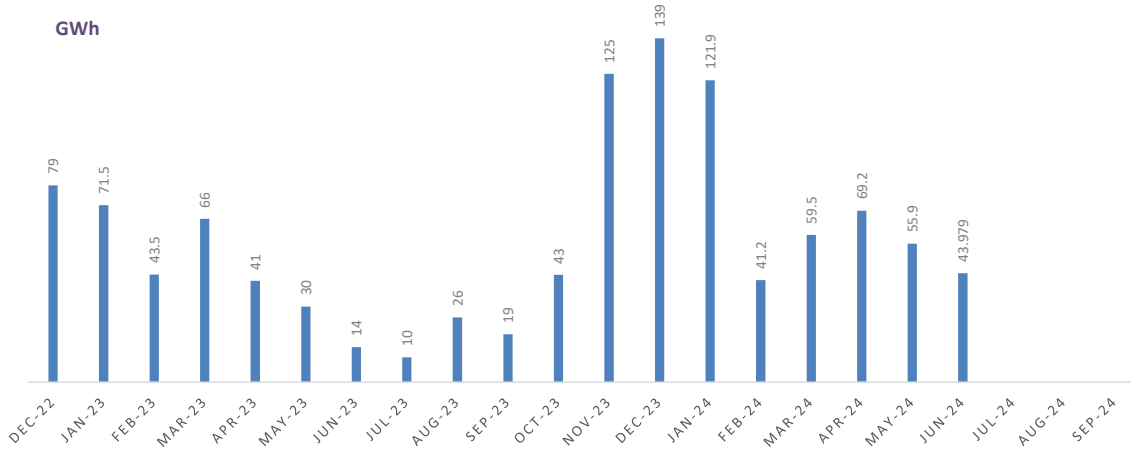
KOTMALE POWER STATION (201 MW)

GWh



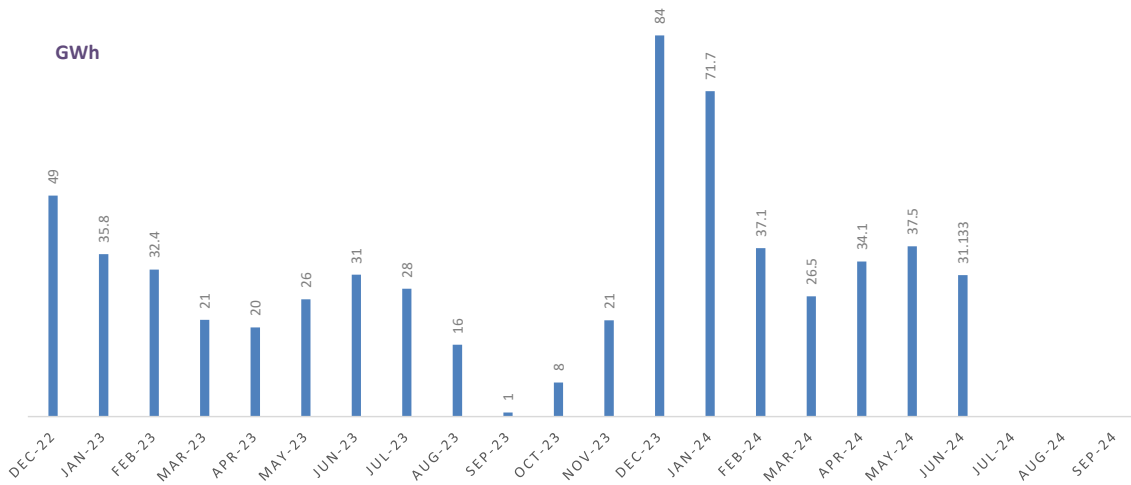
VICTORIA POWER STATION (225 MW)

GWh



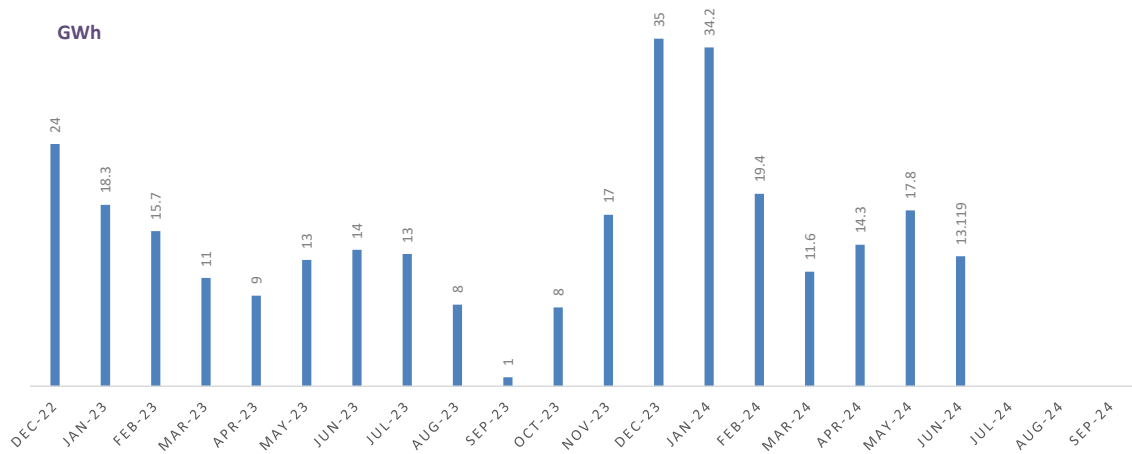
RANDENIGALA POWER STATION (114 MW)

GWh



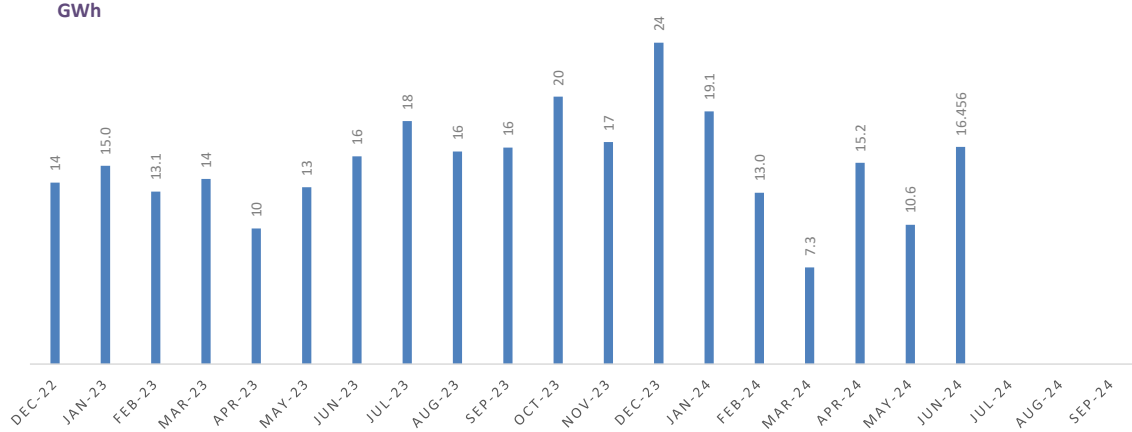
RANTAMBE POWER STATION (50 MW)

GWh



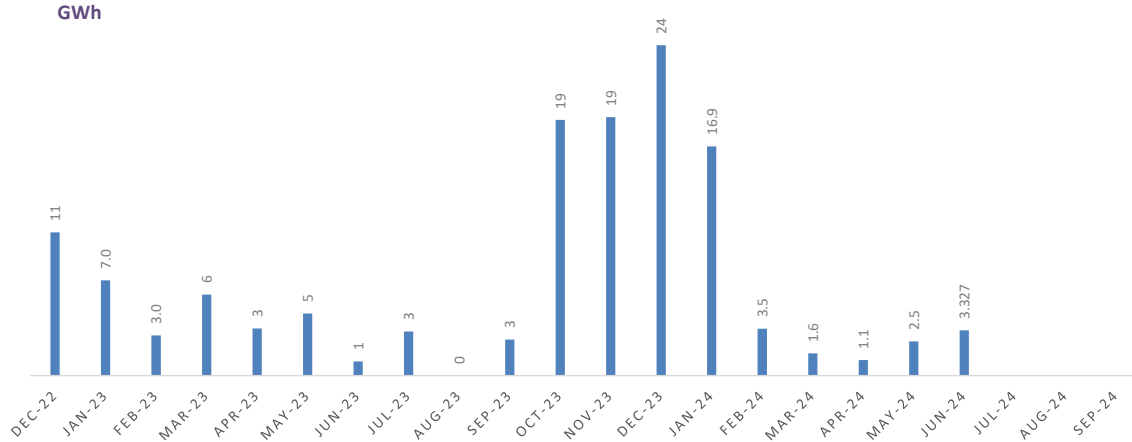
UKUWELA POWER STATION (37 MW)

GWh



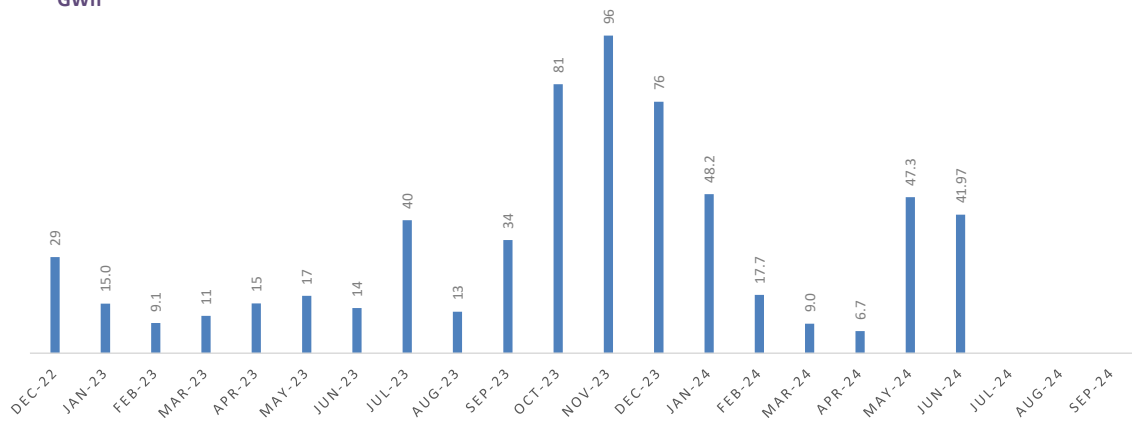
BOWATHENNA POWER STATION (40 MW)

GWh



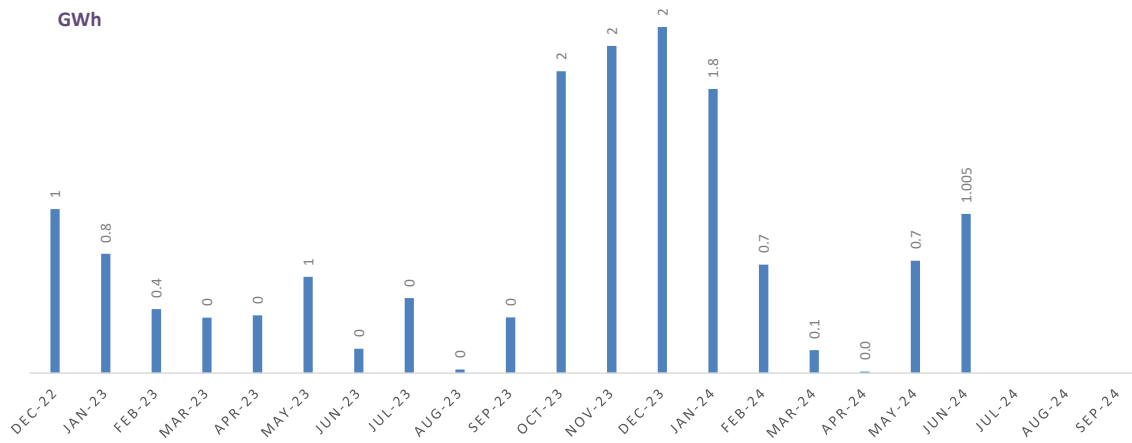
UPPER KOTMALE POWER STATION (150 MW)

GWh



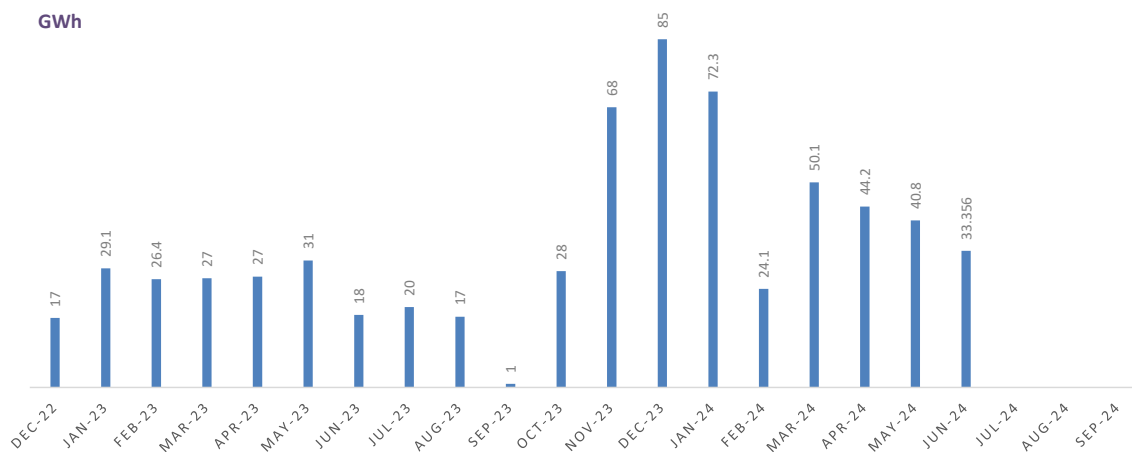
NILLAMBE POWER STATION (3 MW)

GWh



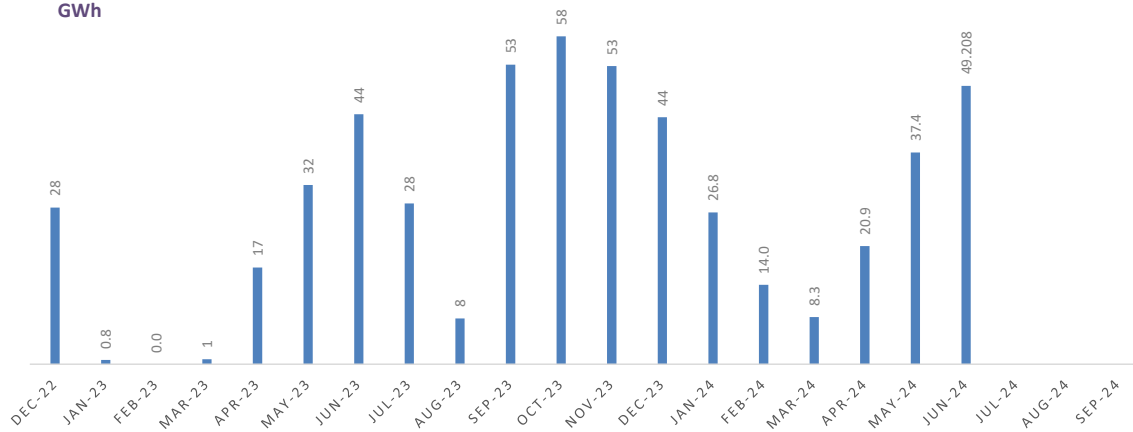
SAMANALAWEWA POWER STATION (120 MW)

GWh



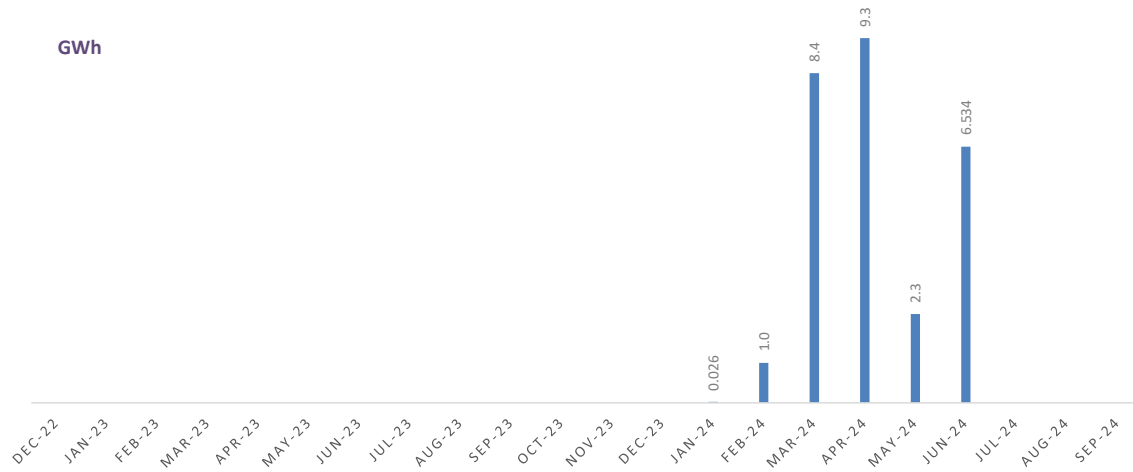
KUKULE POWER STATION (75 MW)

GWh



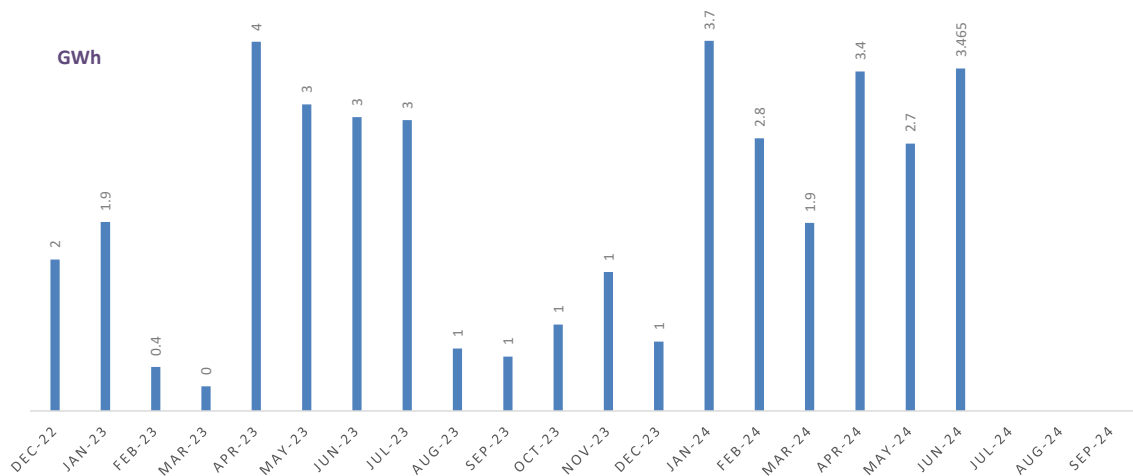
UMA OYA POWER STATION (150 MW)

GWh



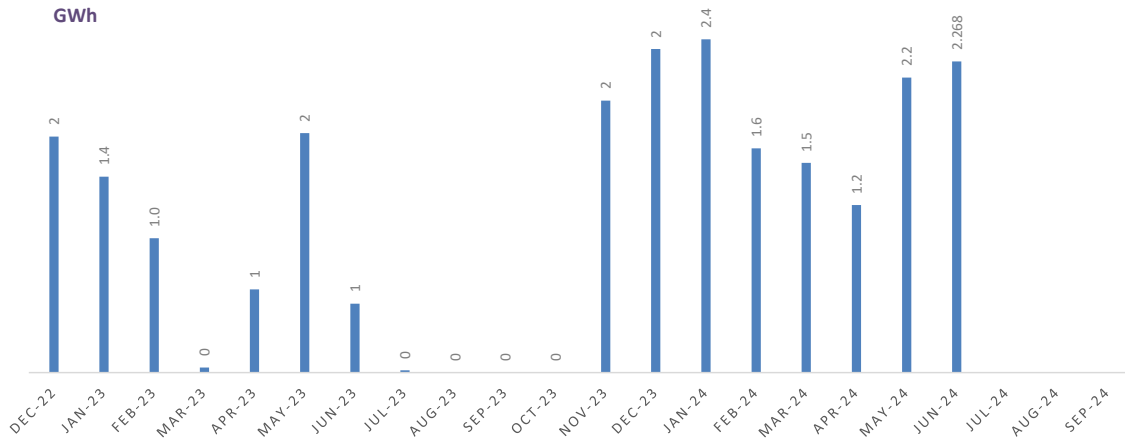
INGINIYAGALA POWER STATION (11 MW)

GWh



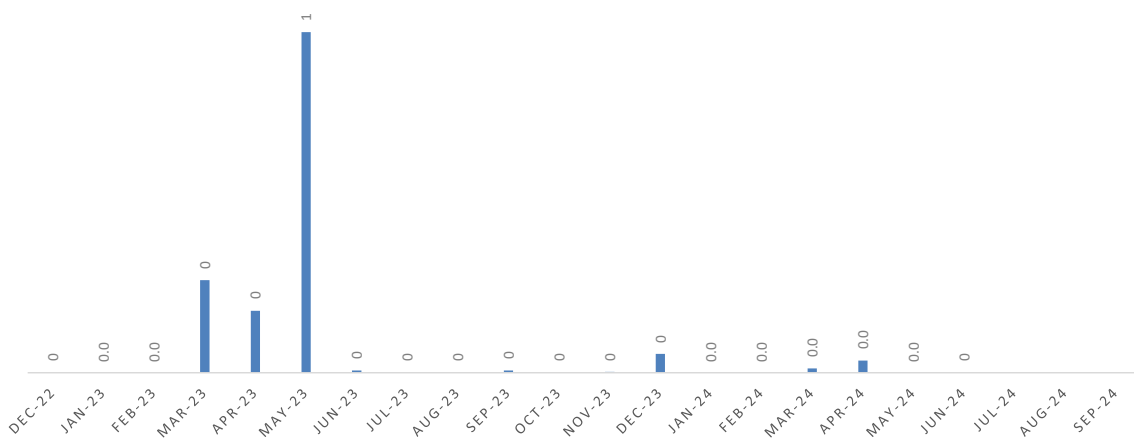
UDAWALAWE POWER STATION (6 MW)

GWh



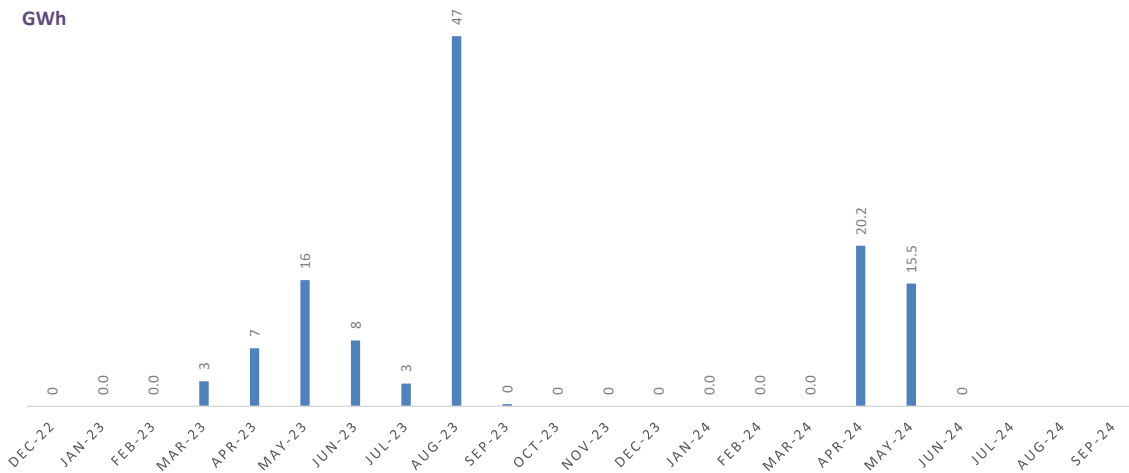
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)

GWh



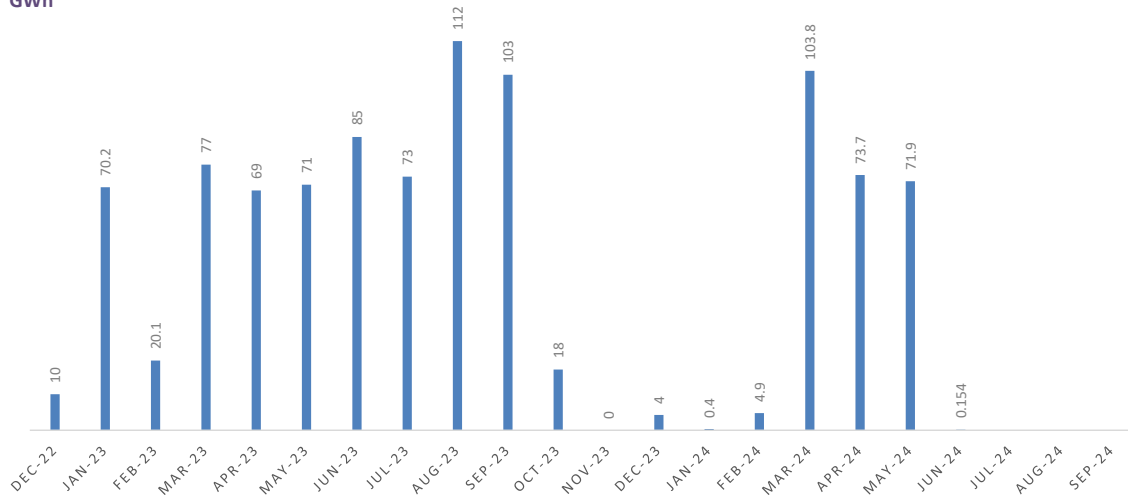
KELANITISSA GT 7 (115 MW)

GWh



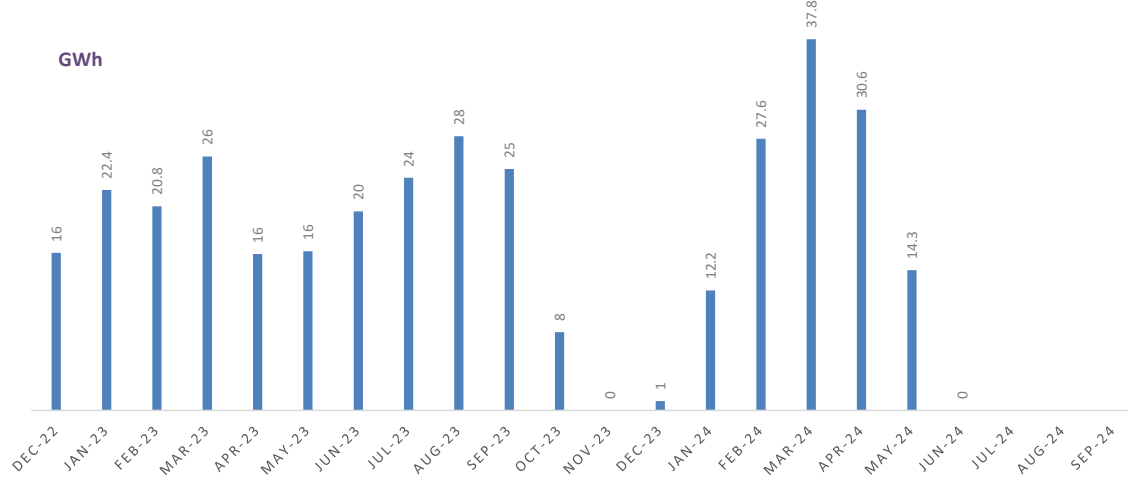
GWh

KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



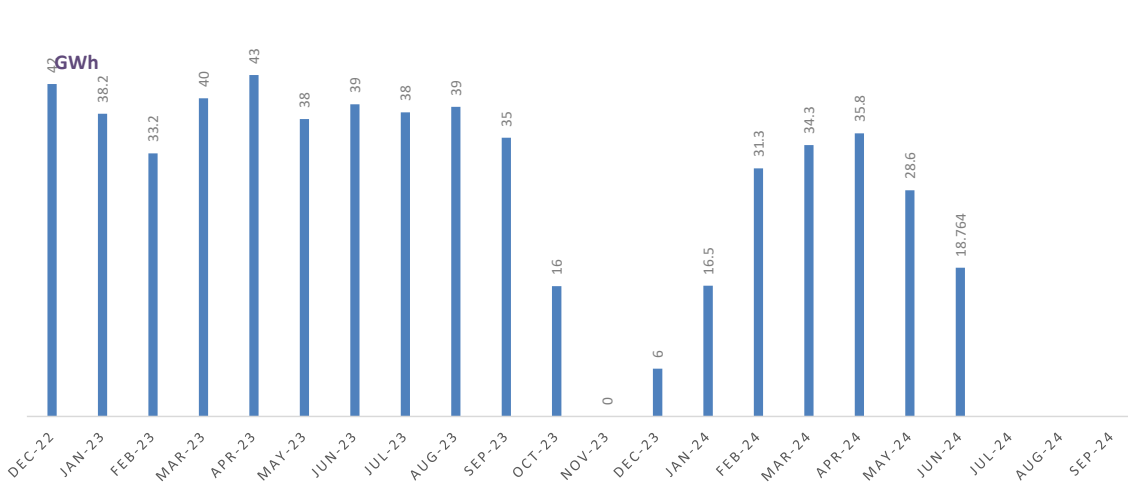
GWh

SAPUGASKANDA - A POWER STATION (80 MW)



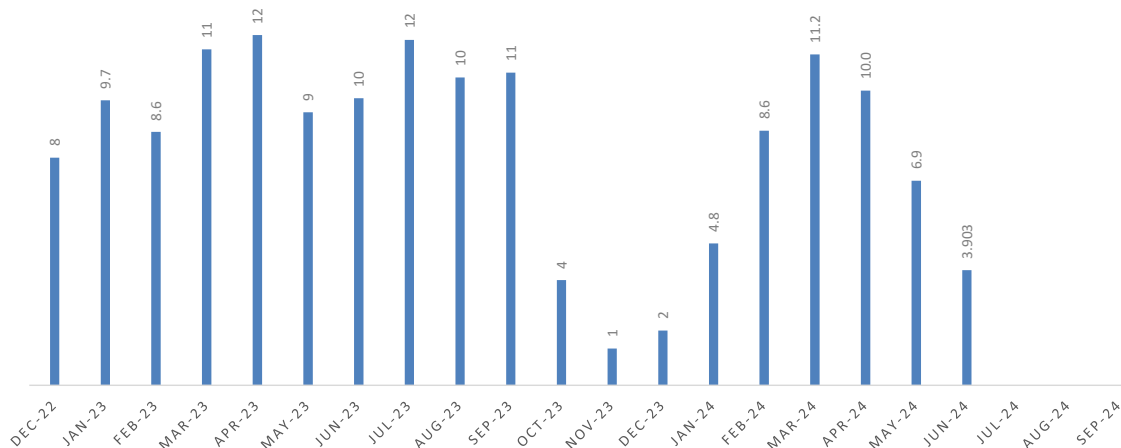
GWh

SAPUGASKANDA - B POWER STATION (80 MW)



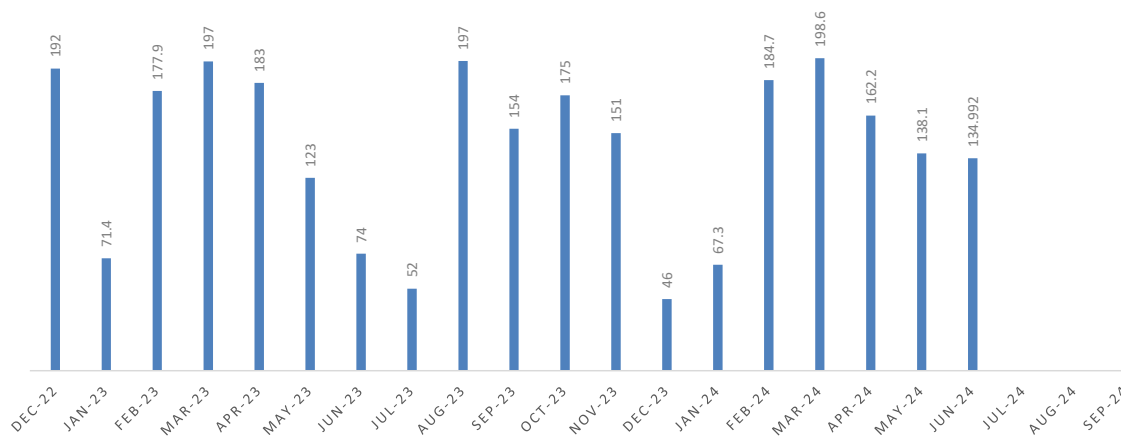
GWh

UTHURU JANANEE POWER STATION (24 MW)



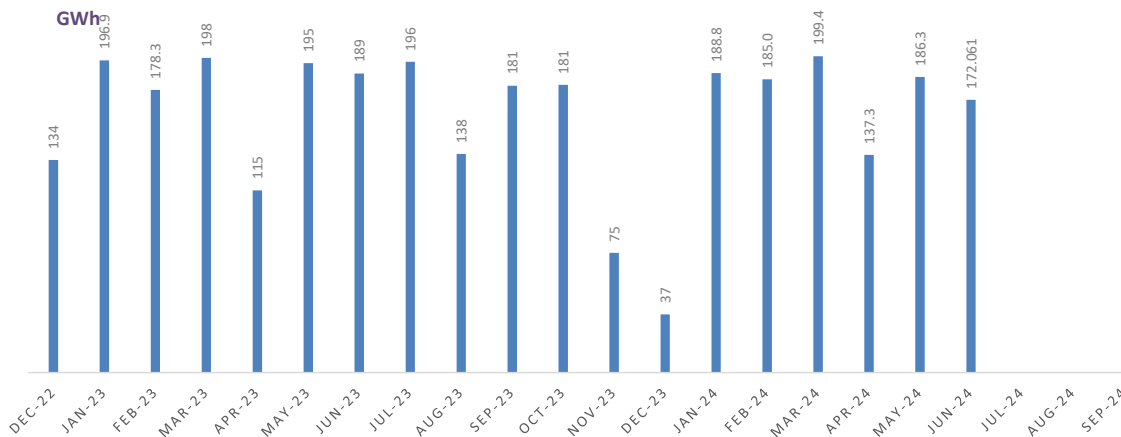
GWh

LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)

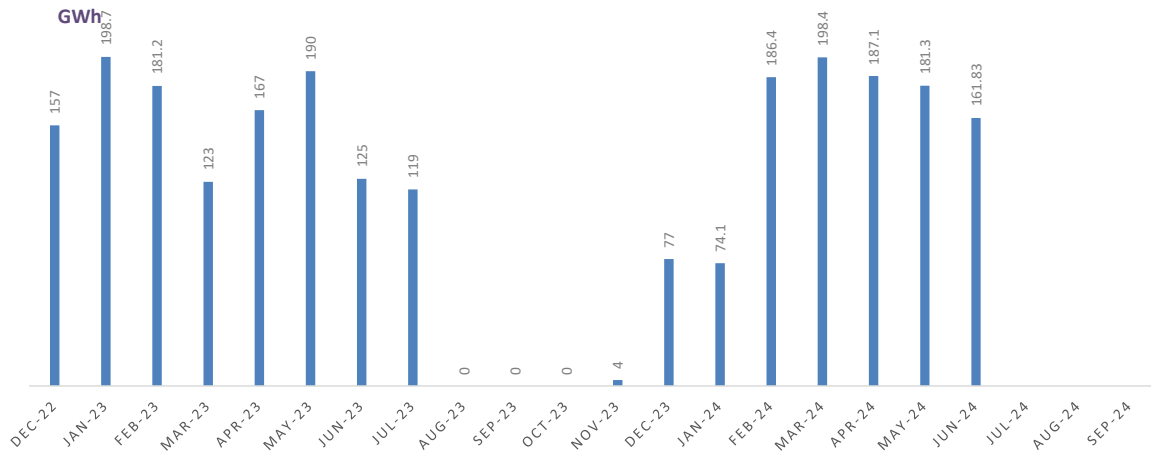


GWh

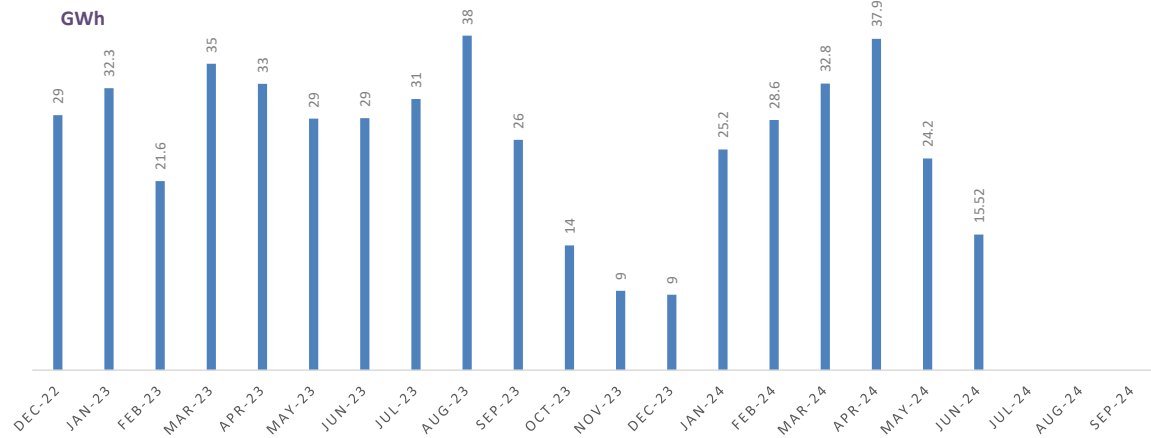
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



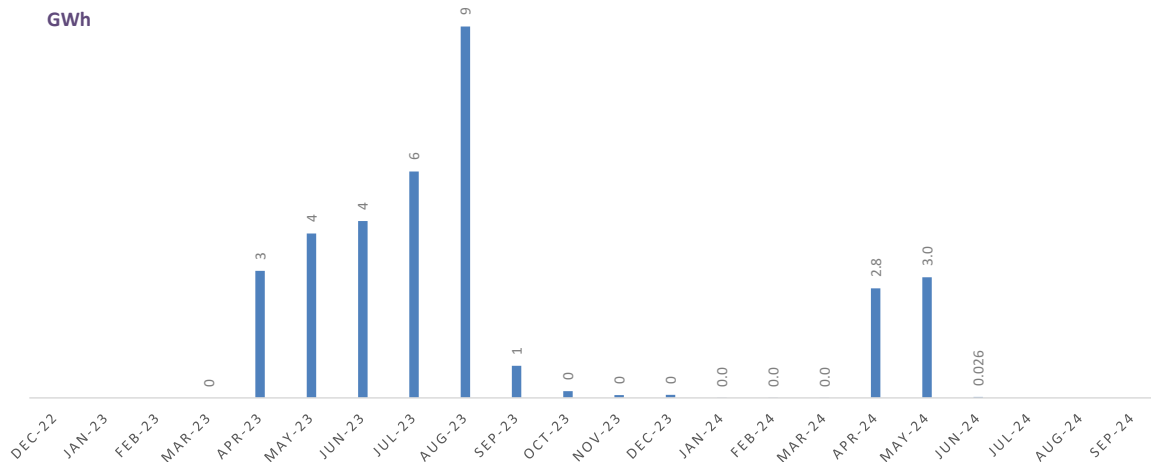
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



BARGE POWER STATION - CEB (60 MW)

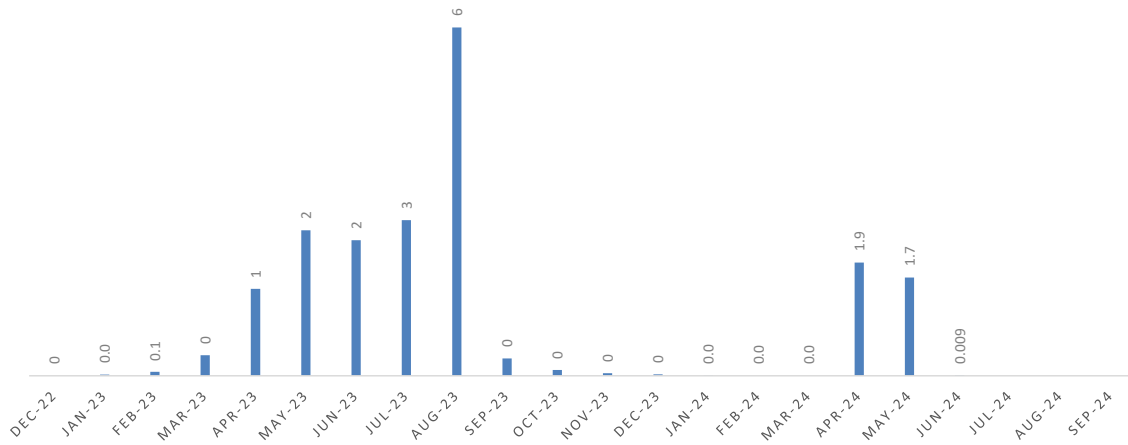


HAMBANTOTA - CEB (24 MW)



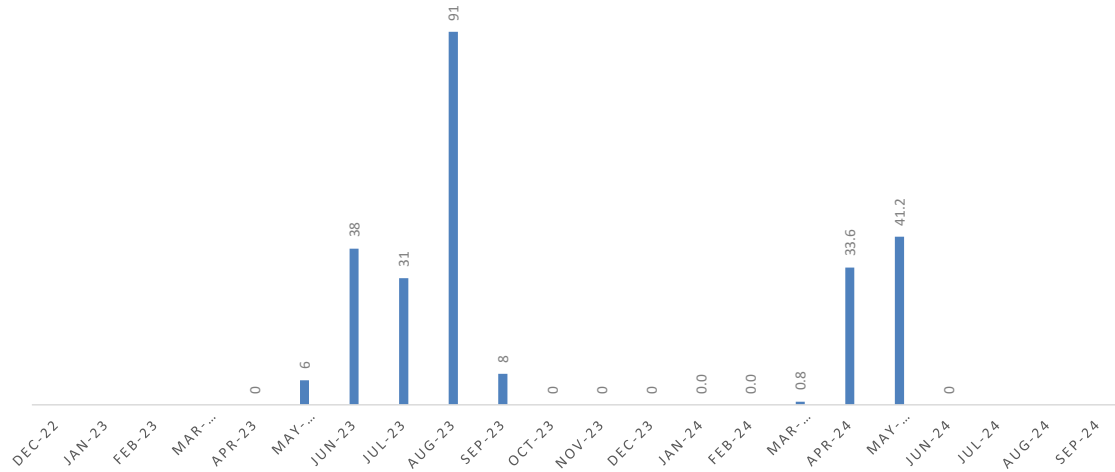
MATHUGAMA - CEB (16 MW)

GWh



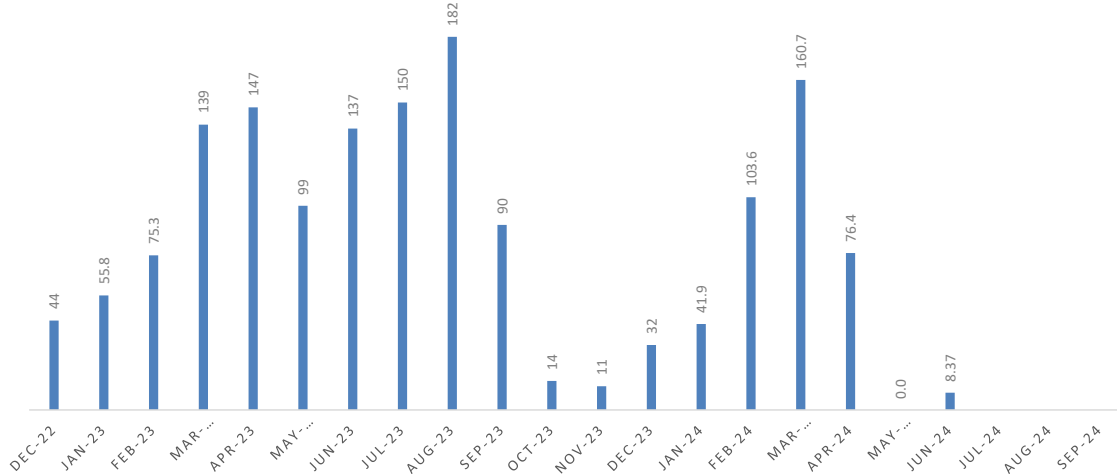
KCCPS - 02 POWER STATION (163 MW)

GWh



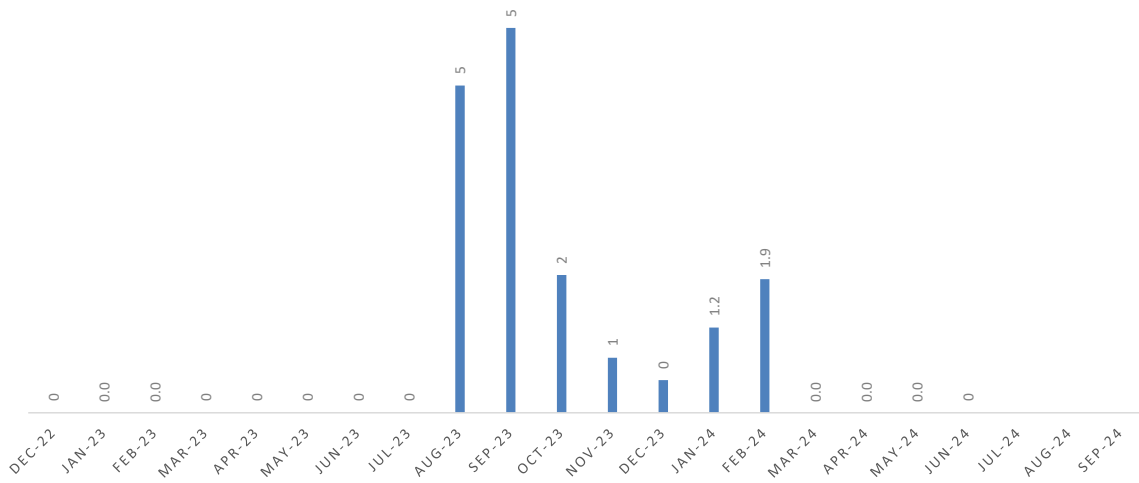
WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)

GWh



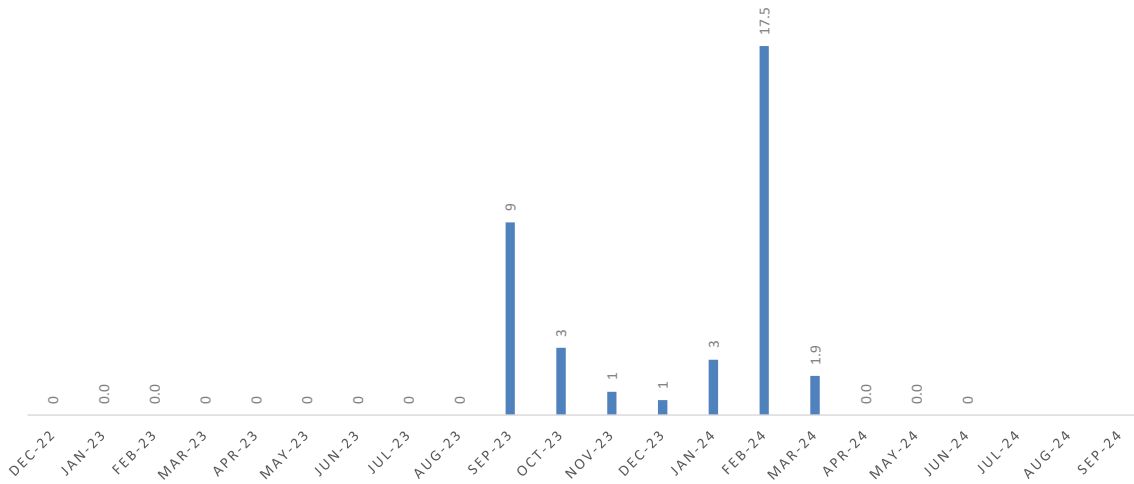
GWh

ACE - MATARA (24 MW)



GWh

ACE - EMBILIPITIYA (93 MW)



3 Peak Demand

During the month;

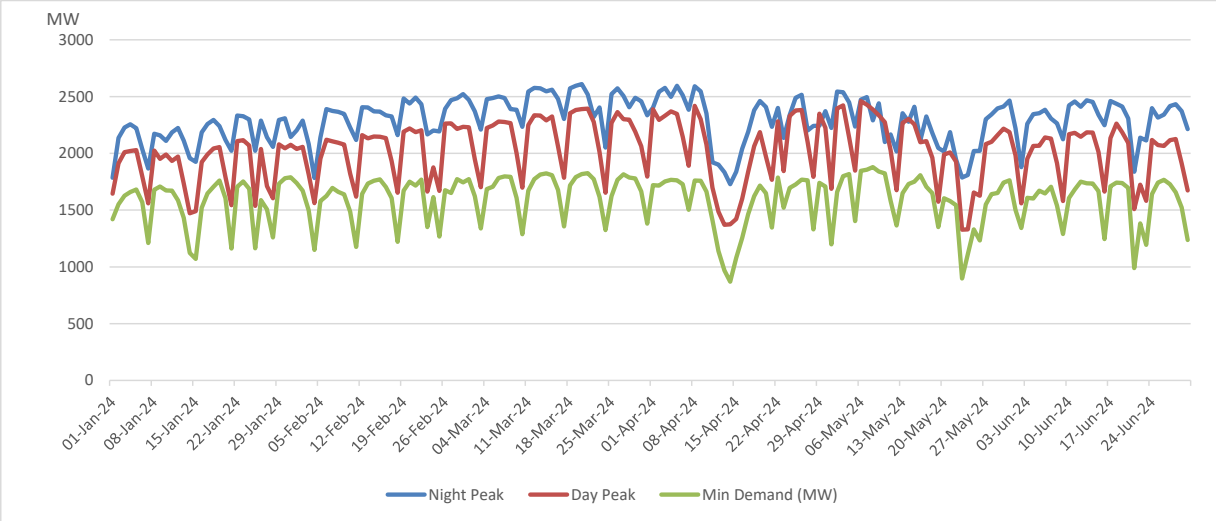
Table 05

Highest Peak Demand	2,466	MW
Lowest Peak Demand	1,838	MW
Highest Day Peak Demand	2,263	MW
Minimum Demand	988	MW

on 13-Jun
on 21-Jun
on 18-Jun
on 21-Jun

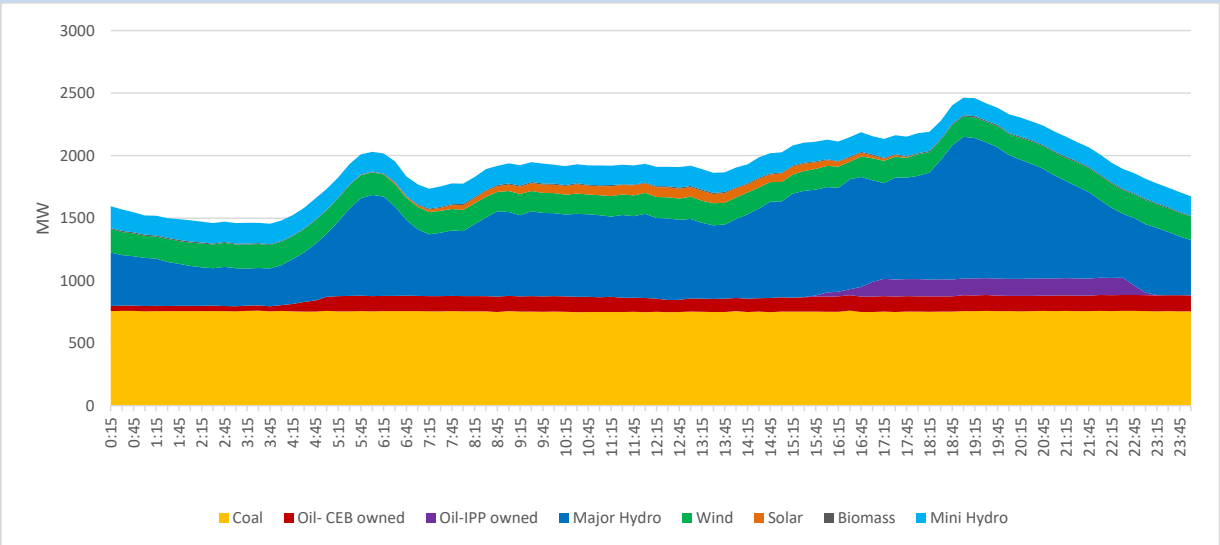
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

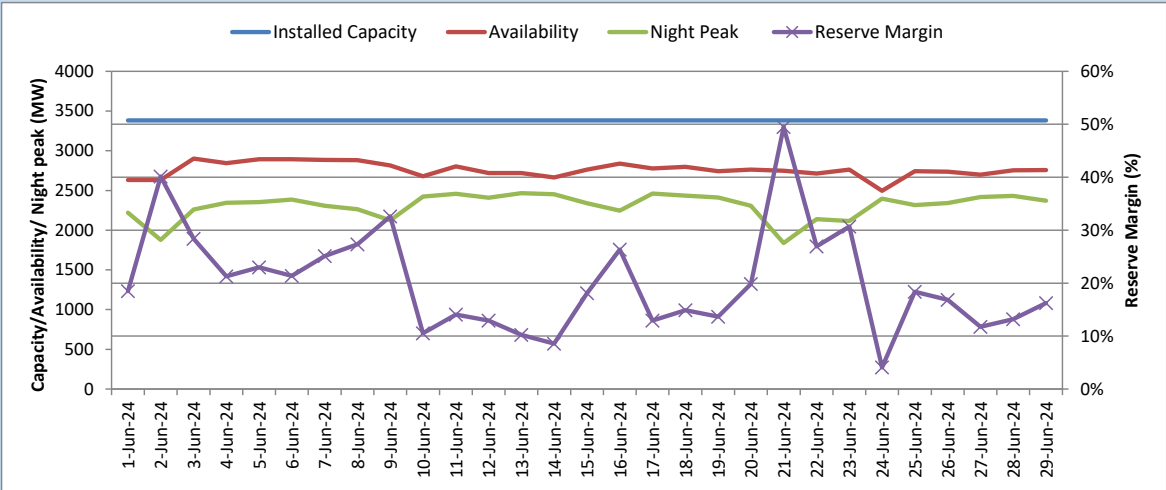


3.2 Load Curve of the Day with Highest Night Peak ,

13-Jun



3.3 Variation of Reserve Margin During Night Peak



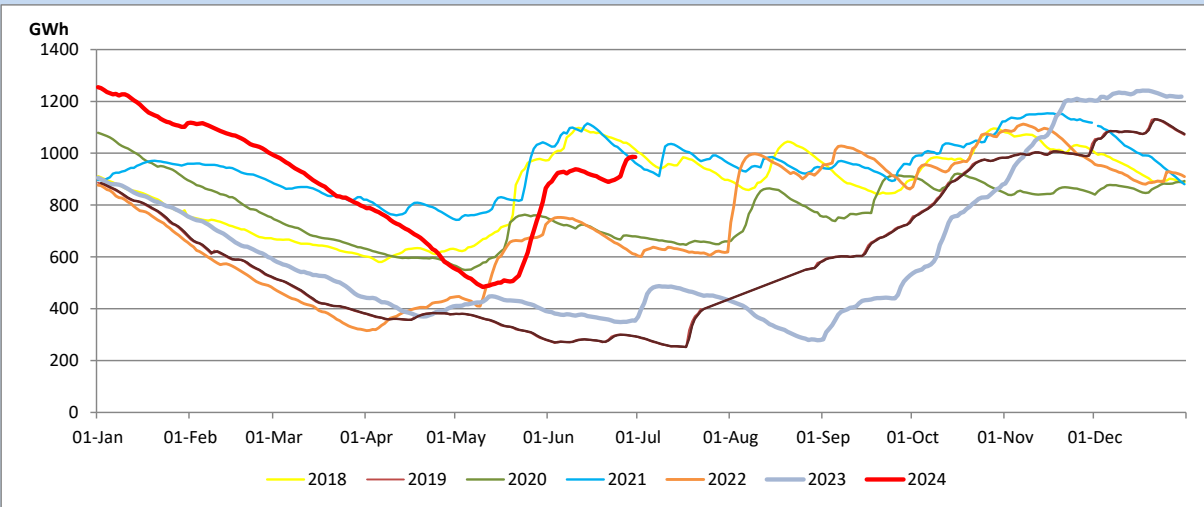
Note:Contribution from NCRE plants is not included

4 Reservoir Statistics

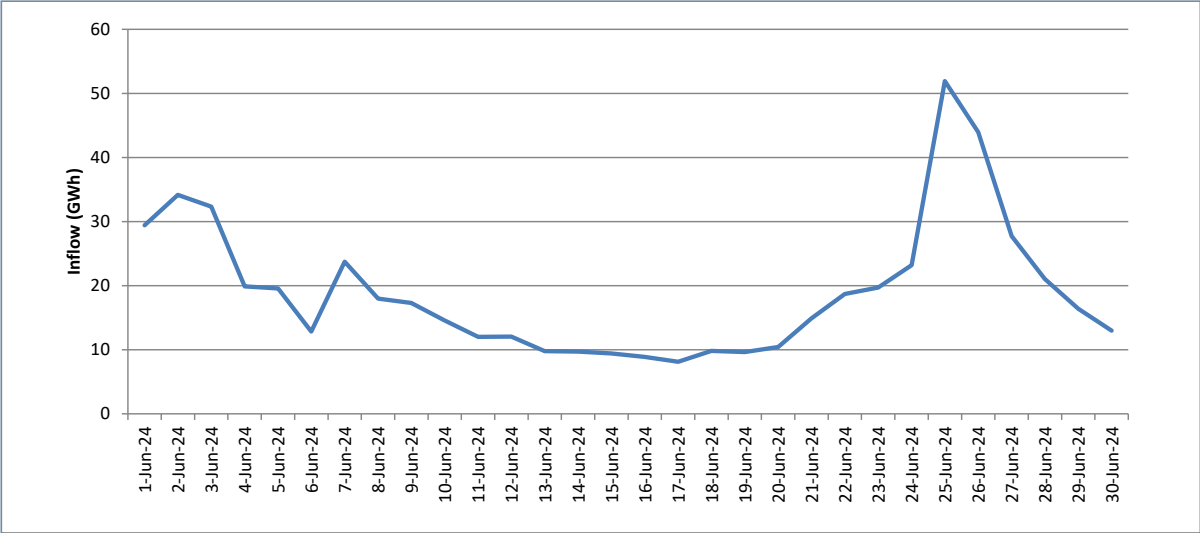
Table 05

Total Reservoir level at the beginning of the month	881.9 GWh
Total Reservoir level at the end of the month	984.3 GWh
Total Inflow	572.0 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

