

Monthly Generation Report

May-24



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

May-24

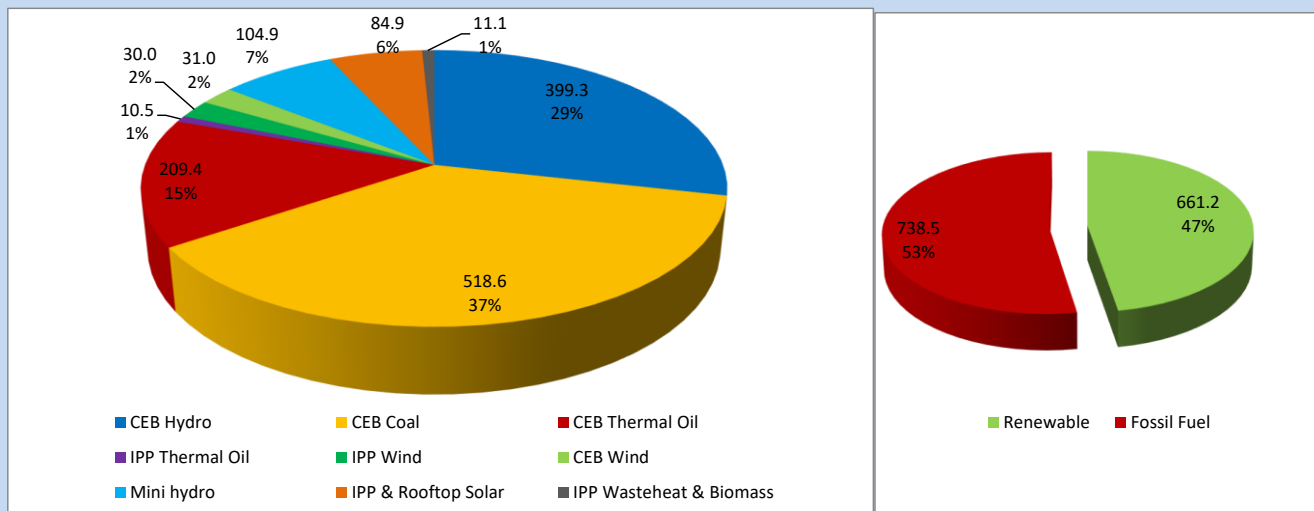


Table 01

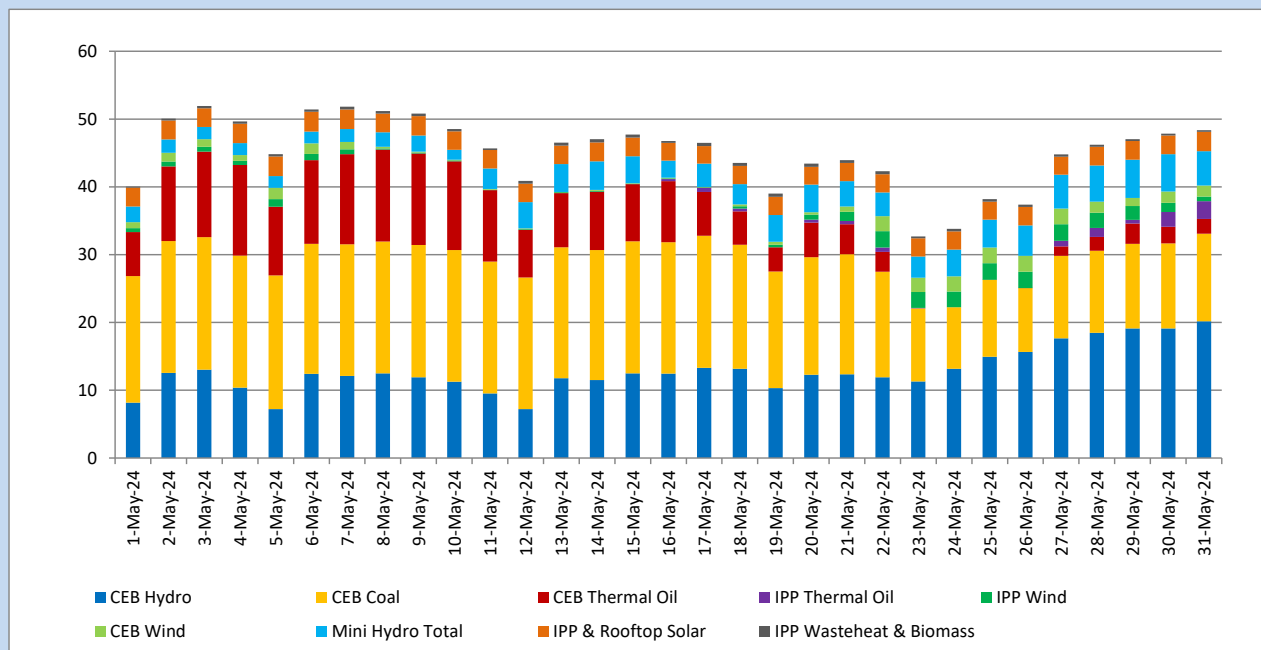
CEB Hydro	399	GWh
CEB Coal	519	GWh
CEB Thermal Oil	209	GWh
IPP Thermal Oil	11	GWh
IPP Wind	30	GWh
CEB Wind	31	GWh
Mini Hydro (Including non telemetered)	105	GWh
IPP Solar (Including estimated figures)	85	GWh
IPP Wasteheat + Biomass	11	GWh
Total Generation (Including estimated figures)	1,400	GWh

Total Generation = 1,400 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

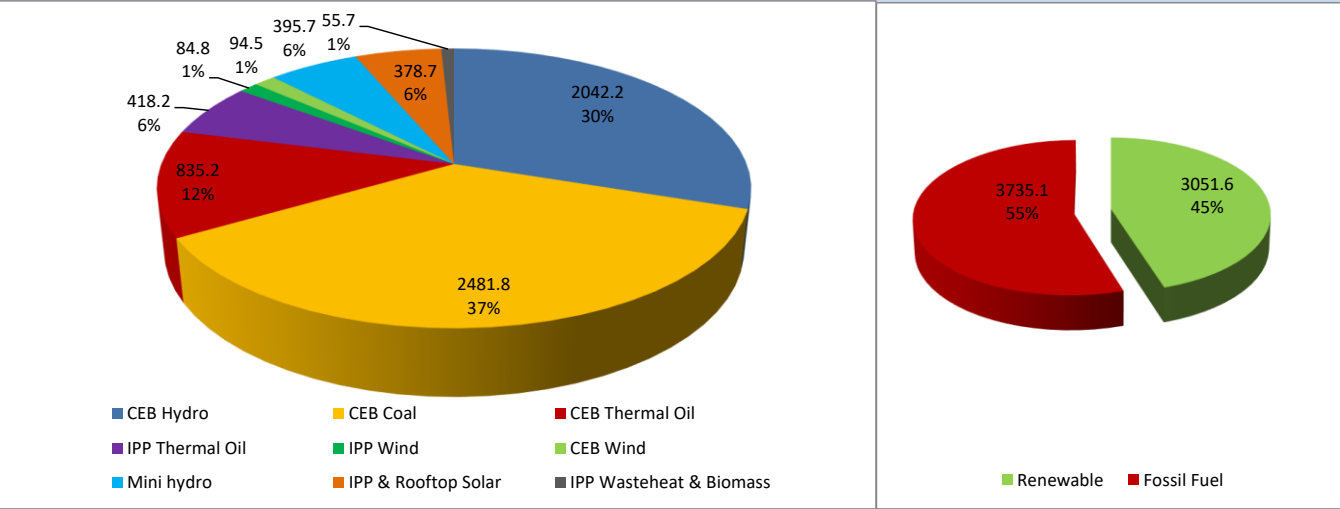


Table 02

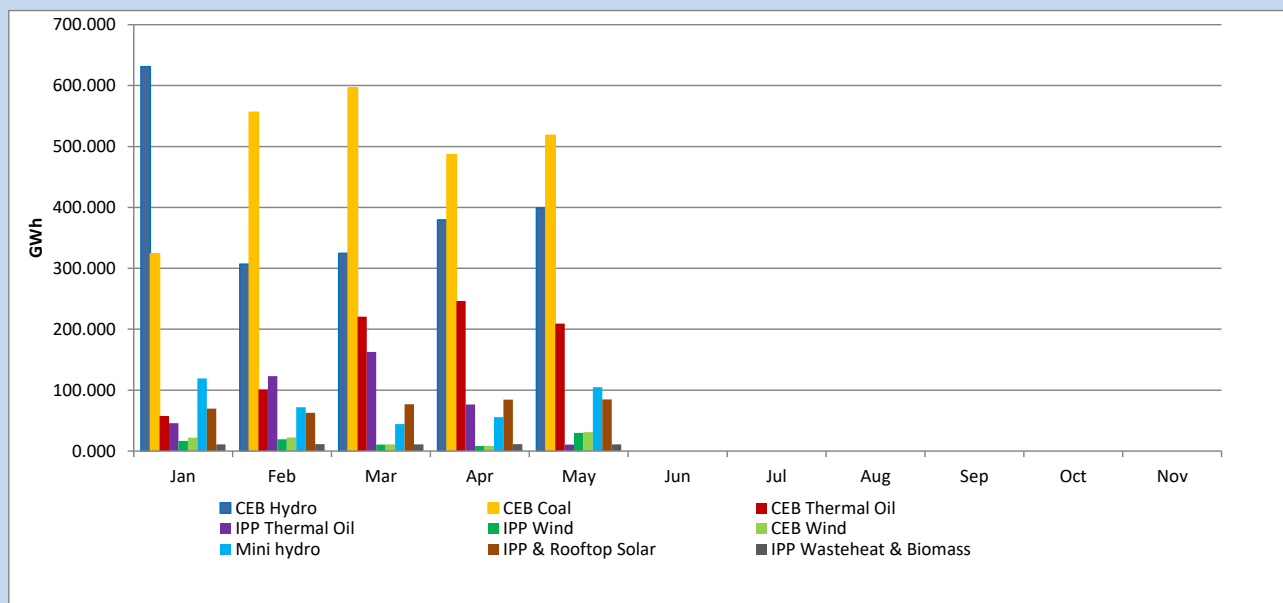
CEB Hydro	2042.15	GWh
CEB Coal	2481.75	GWh
CEB Thermal Oil	835.15	GWh
IPP Thermal Oil	418.20	GWh
IPP Wind	84.81	GWh
CEB Wind	94.47	GWh
Mini Hydro (Including non telemetered)	395.66	GWh
IPP Solar (Including estimated figures)	378.74	GWh
IPP Wasteheat + Biomass	55.72	GWh
Total Generation (Including estimated figures)	6786.65	GWh

Data source - MRR Nov 2023

Table 03

	Installed Capacity (MW)
CEB Hydro	1529
CEB Coal	810
CEB Thermal Oil	781
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)	388
Rooftop Solar* (LT Bulk)	305
Rooftop Solar* (HT Bulk)	95

1.4 Variation of Monthly Generation Mix during the year



2 Major Plant Dispatch

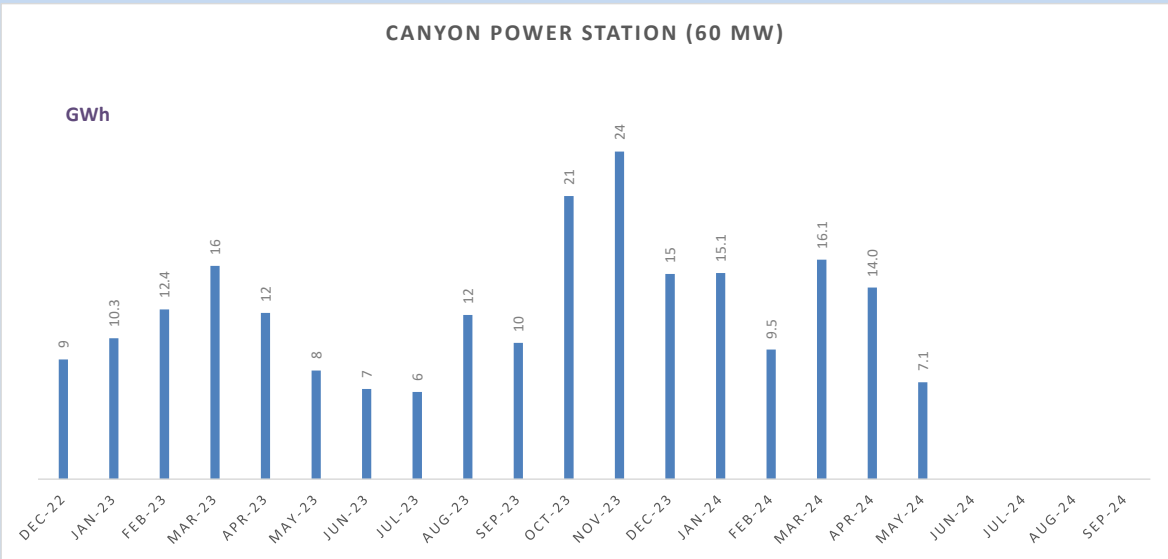
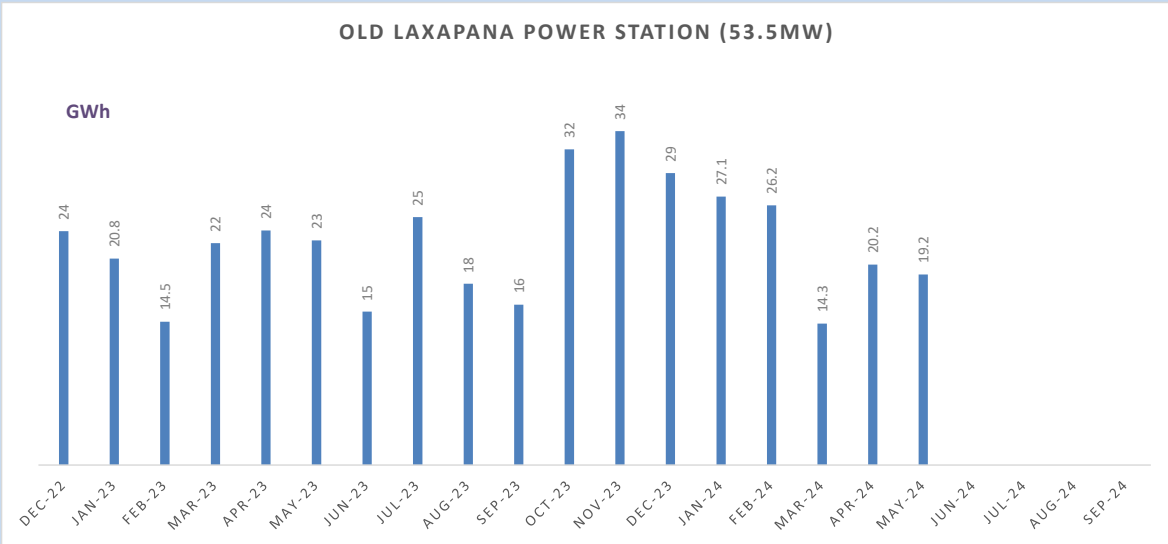
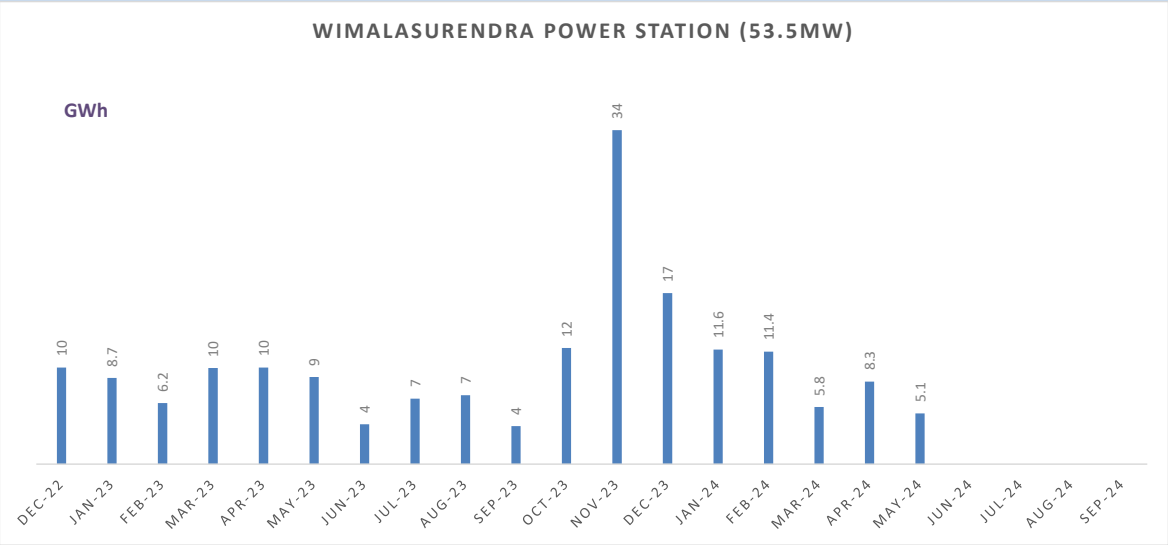
2.1 Dispatch from all Generation Major Plants in

May-24

Table 04

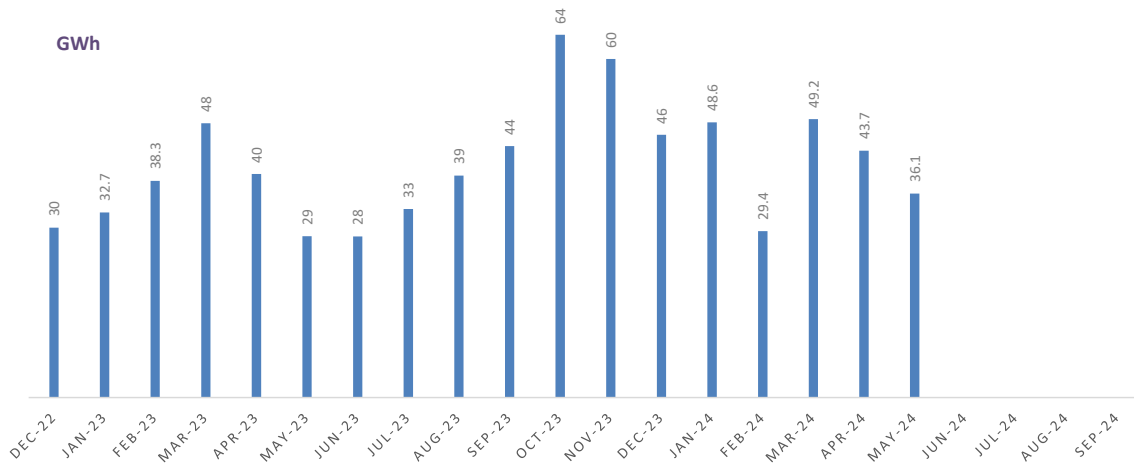
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	5,129	13.8%
Old Laxapana	54	19,240	47.9%
Canyon	60	7,108	15.9%
New Laxapana	100	36,072	48.5%
Polpitiya	90	30,670	45.8%
Broadlands	35	8,421	32.3%
Kotmale	201	14,850	9.9%
Victoria	210	55,948	35.8%
Randenigala	122	37,491	41.3%
Rantambe	50	17,764	47.8%
Ukuwela	40	10,559	35.5%
Bowatenna	40	2,518	8.5%
Upper Kotmale	150	47,297	42.4%
Nilambe	3	710	31.8%
Samanalawewa	120	40,812	45.7%
Kukule	75	37,408	67.0%
Inginiyagala	120	2,266	2.5%
Udawalawe	4	2,151	72.3%
Puttalam Coal I	270	138,063	68.7%
Puttalam Coal II	270	186,342	92.8%
Puttalam Coal III	270	181,250	90.2%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	15,480	18.1%
KCCP	165	71,935	58.6%
Sapugaskanda A	64	14,278	30.0%
Sapugaskanda B	72	28,557	53.3%
Uthura Janani	24	6,938	38.9%
Barge CEB	60	24,221	54.3%
CEB - Hambantota	24	3,043	17.0%
CEB - Mathugama	16	1,652	13.9%
KCCPS -2	163	41,158	33.9%
ACE Matara	24	0	0.0%
West Coast	270	0	0.0%
ACE Embilipitiya	93	0	0.0%

2.3 Generation of Major Power Plants From Last Year



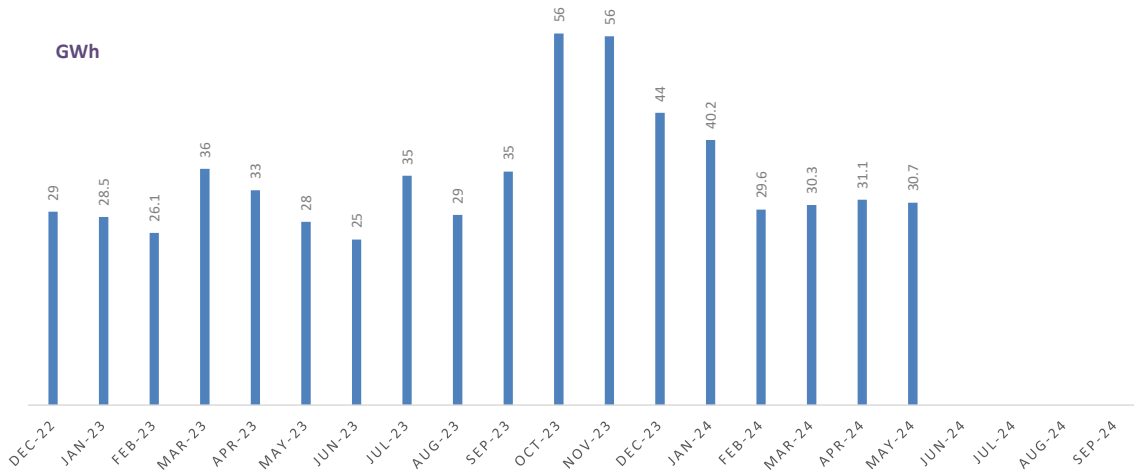
NEW LAXAPANA POWER STATION (115 MW)

GWh



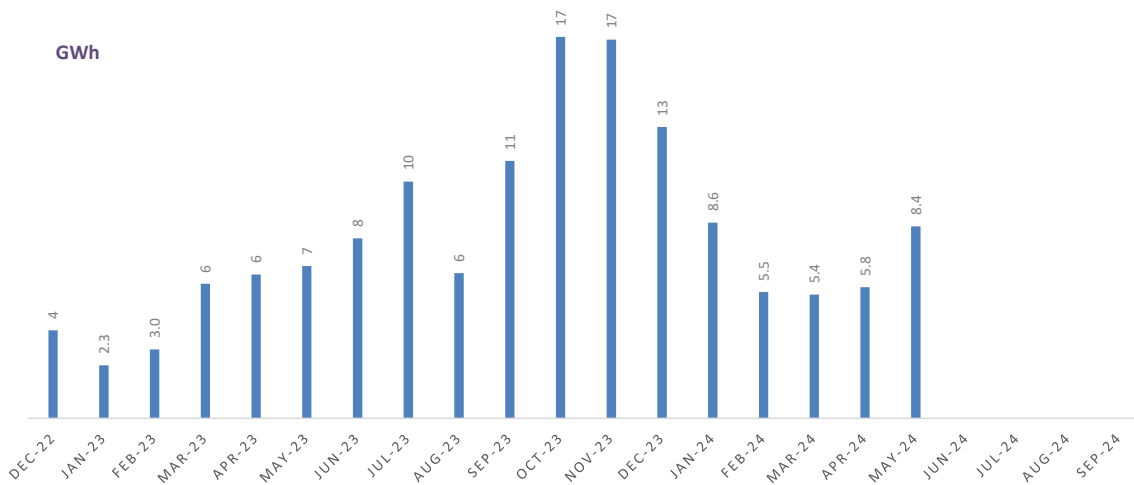
POLPITIYA POWER STATION (90 MW)

GWh



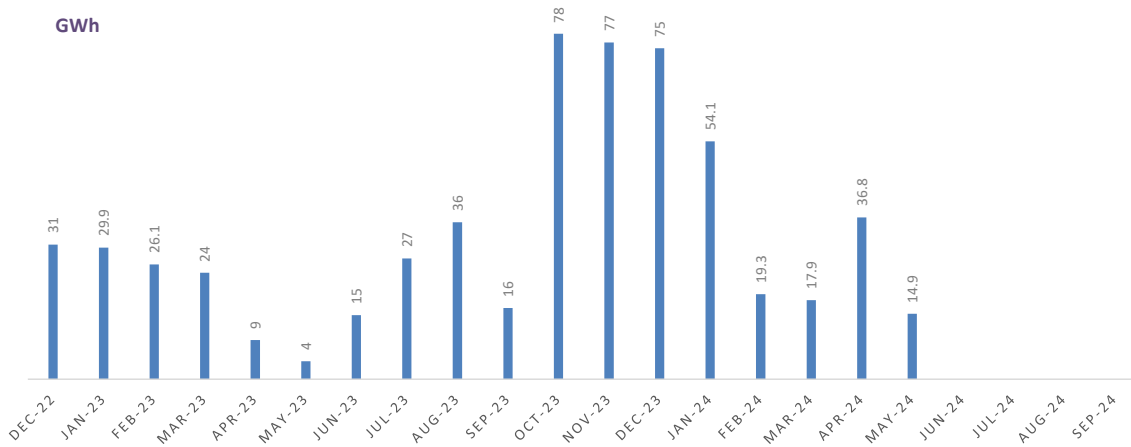
BROADLANDS POWER STATION (35 MW)

GWh



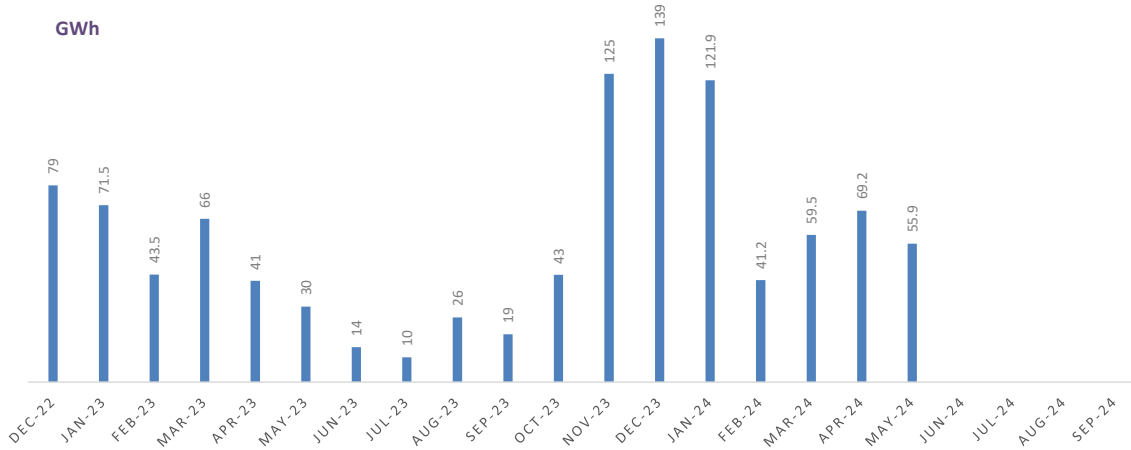
KOTMALE POWER STATION (201 MW)

GWh



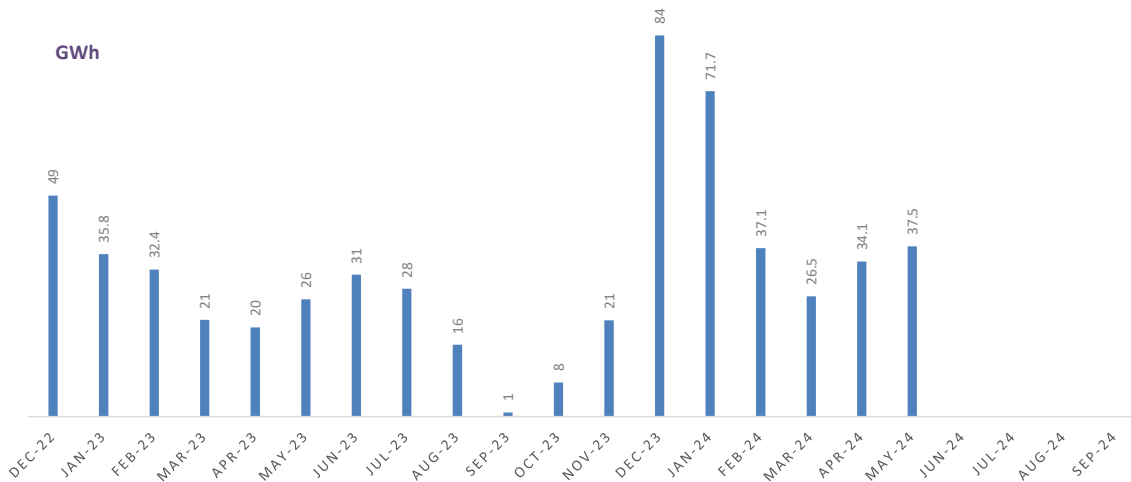
VICTORIA POWER STATION (225 MW)

GWh



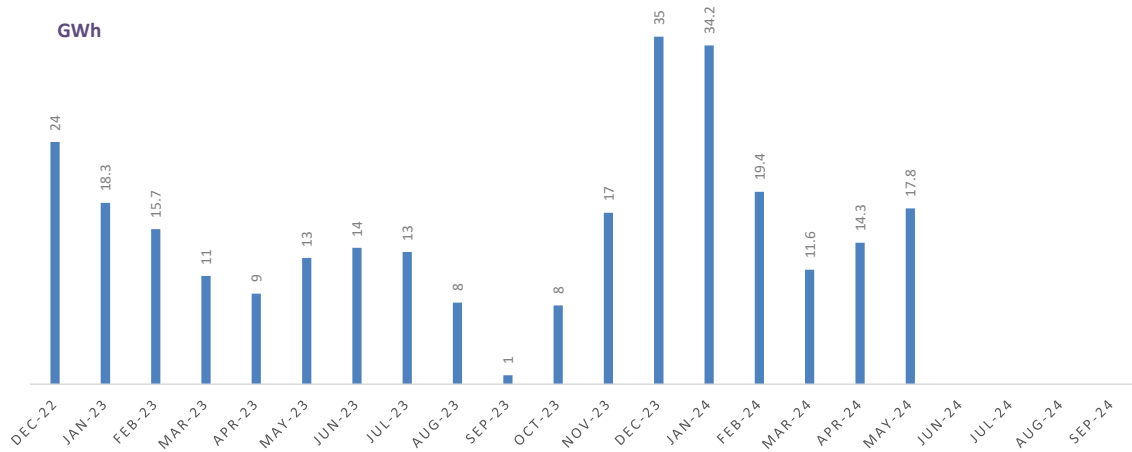
RANDENIGALA POWER STATION (114 MW)

GWh



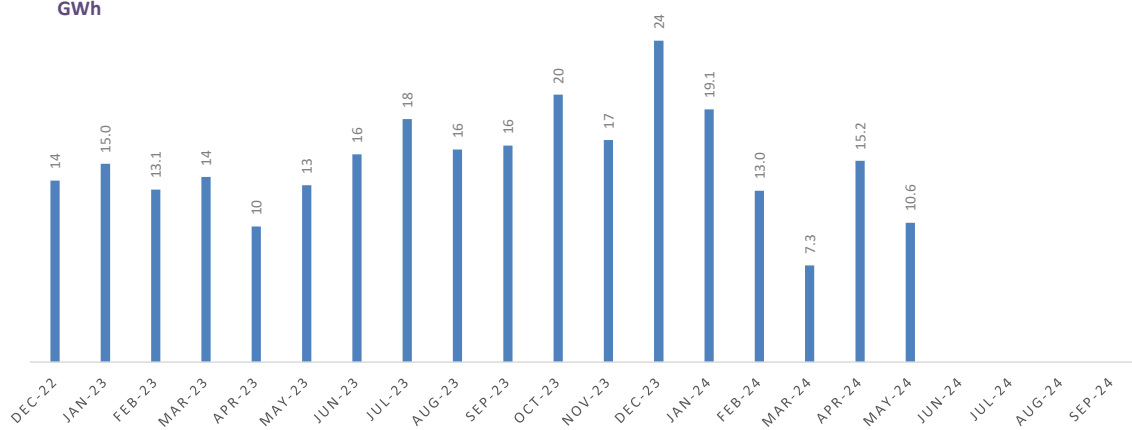
RANTAMBE POWER STATION (50 MW)

GWh



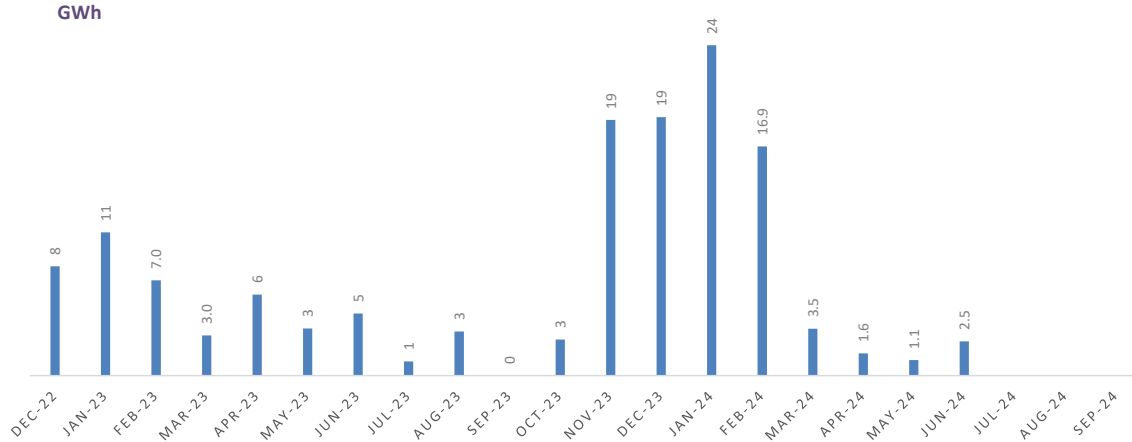
UKUWELA POWER STATION (37 MW)

GWh



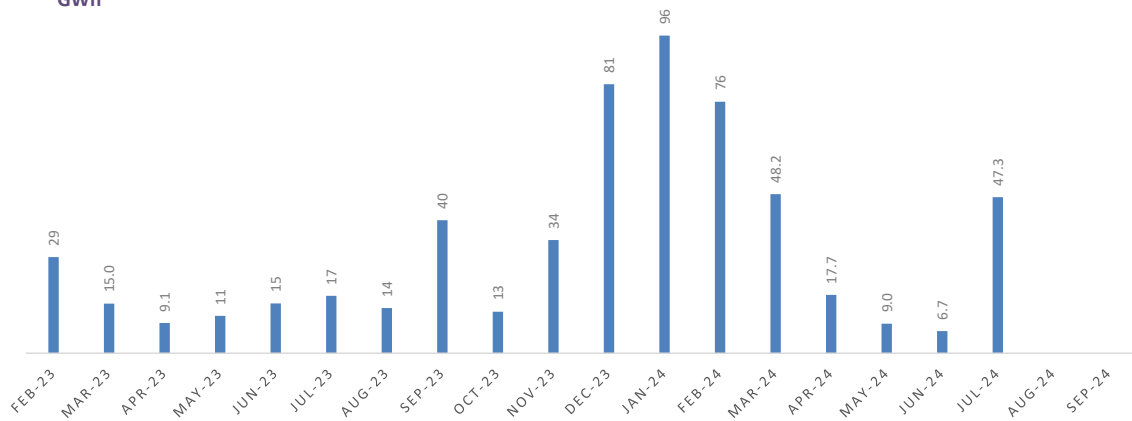
BOWATHENNA POWER STATION (40 MW)

GWh



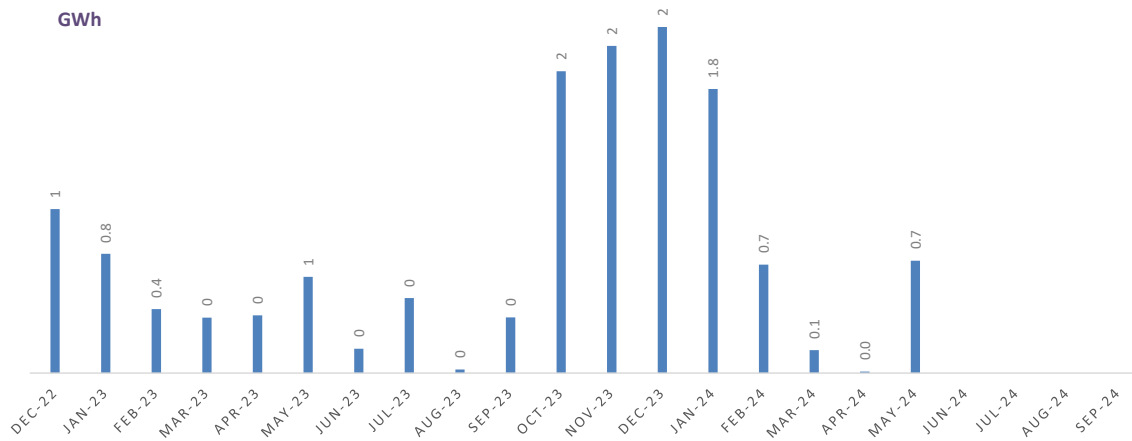
UPPER KOTMALE POWER STATION (150 MW)

GWh



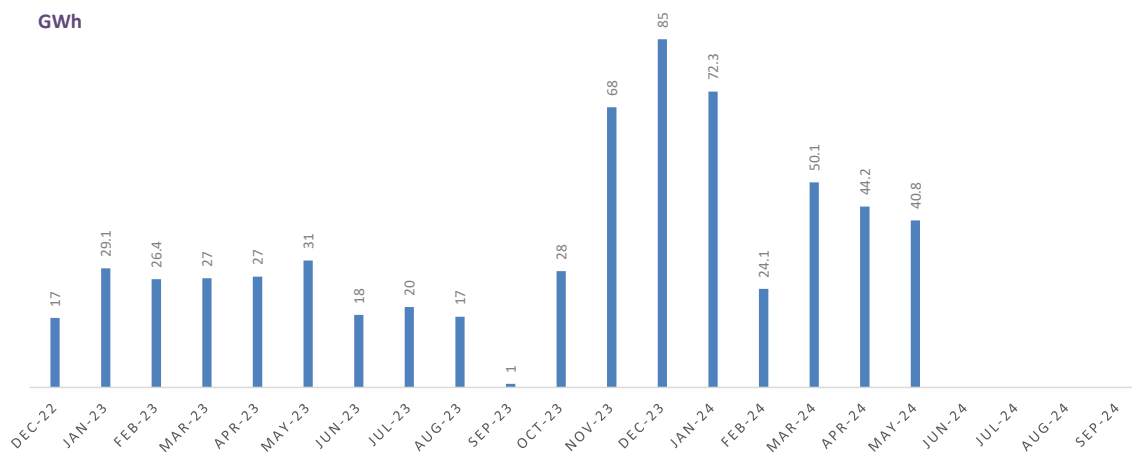
NILLAMBE POWER STATION (3 MW)

GWh



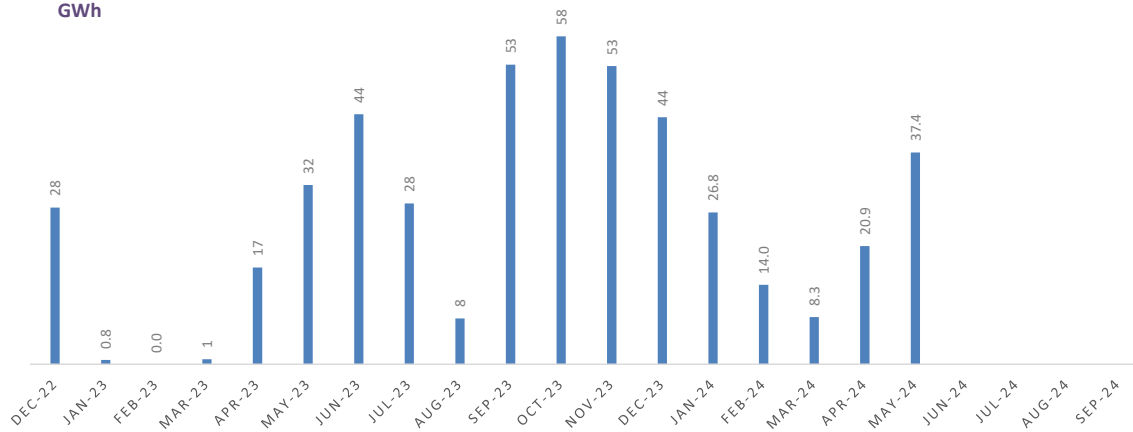
SAMANALAWEWA POWER STATION (120 MW)

GWh



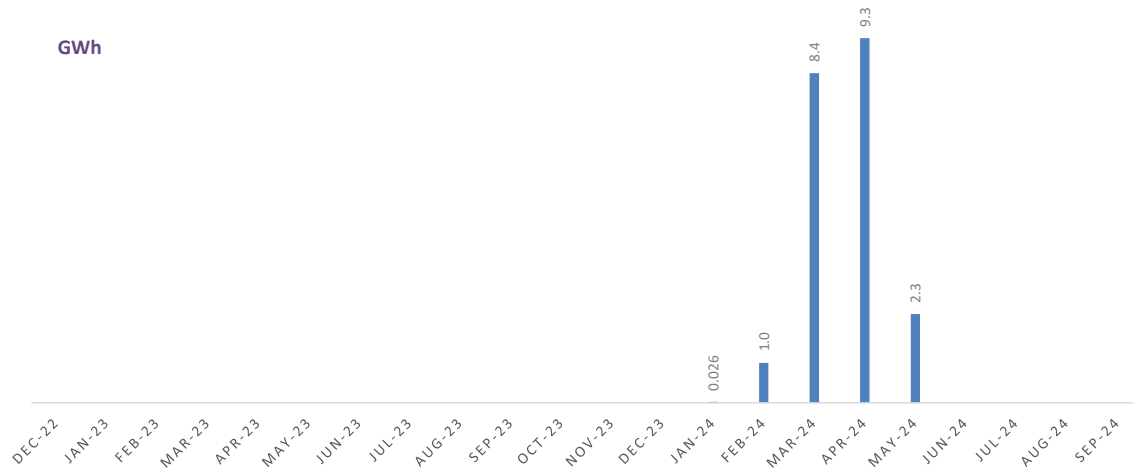
KUKULE POWER STATION (75 MW)

GWh



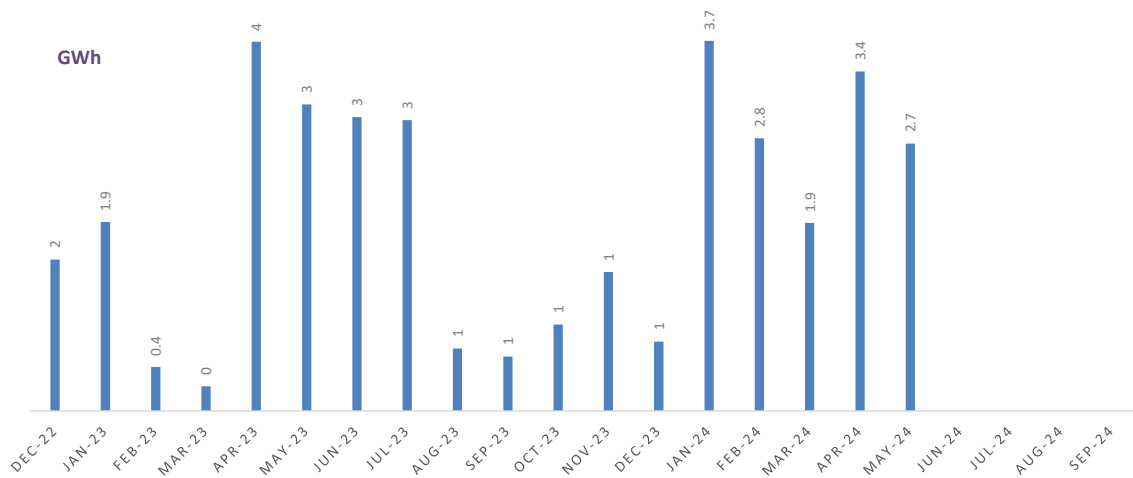
UMA OYA POWER STATION (150 MW)

GWh



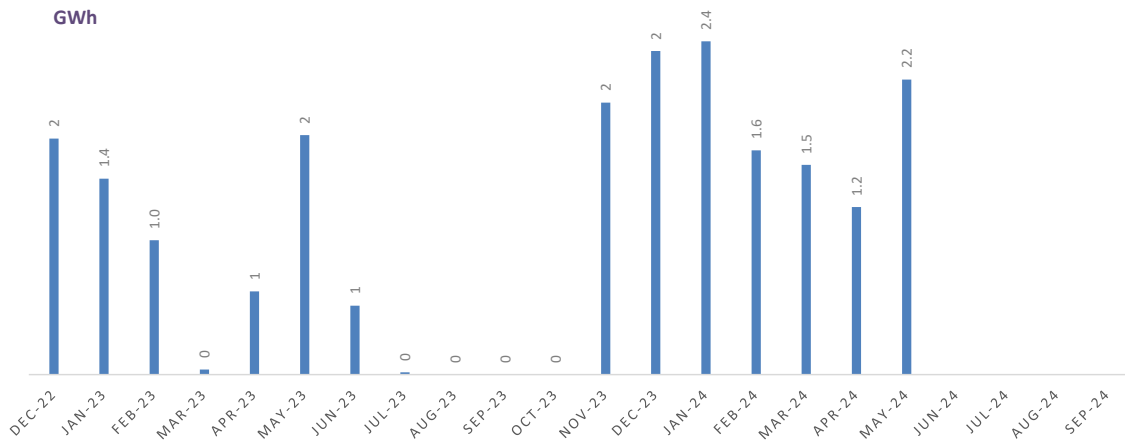
INGINIYAGALA POWER STATION (11 MW)

GWh



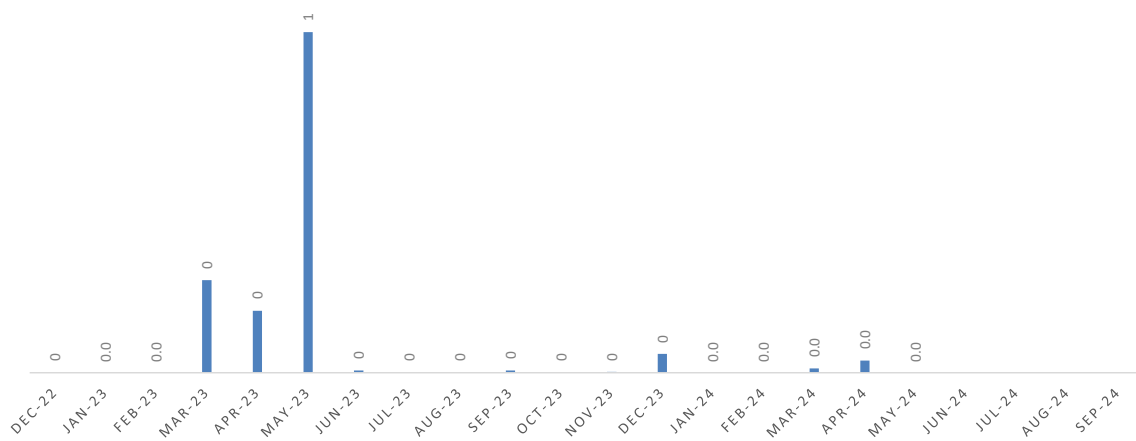
UDAWALAWE POWER STATION (6 MW)

GWh



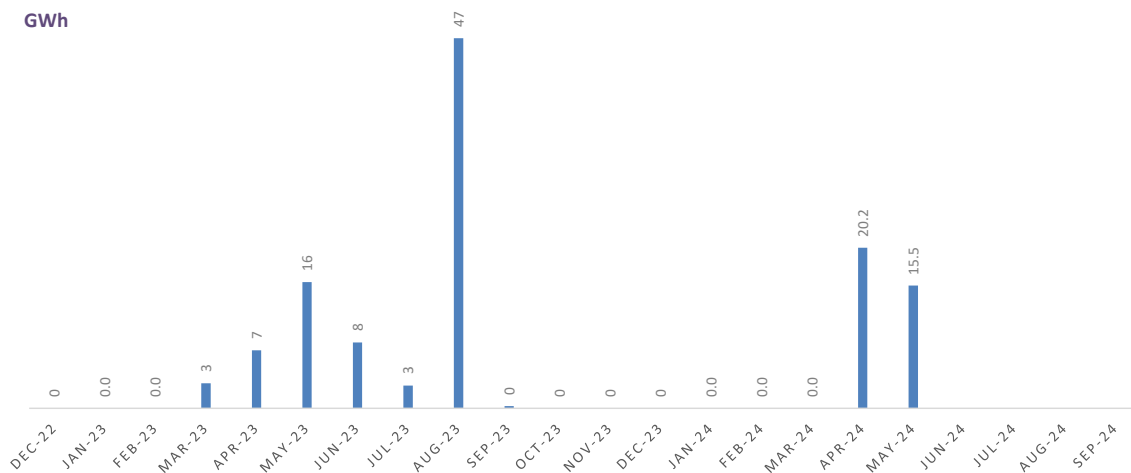
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)

GWh



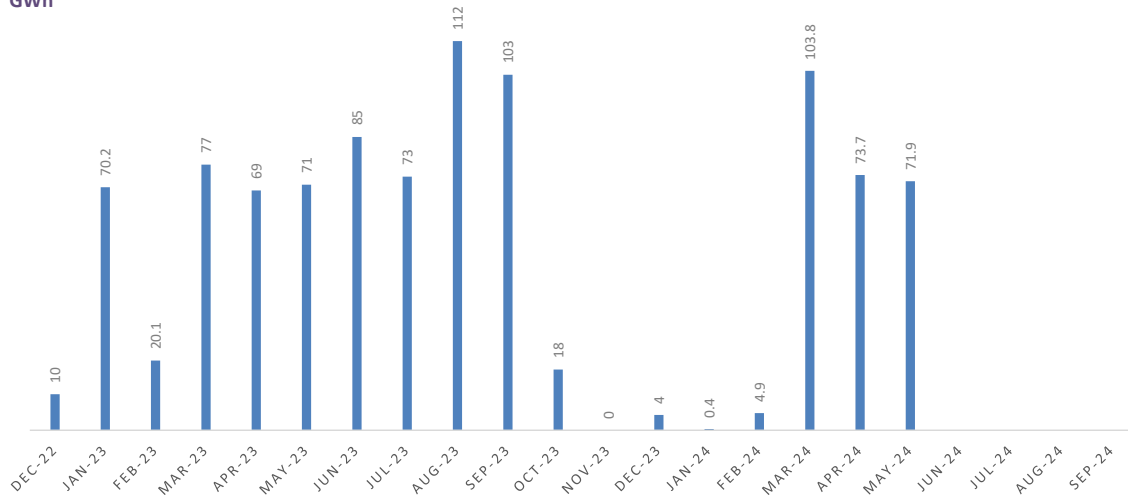
KELANITISSA GT 7 (115 MW)

GWh



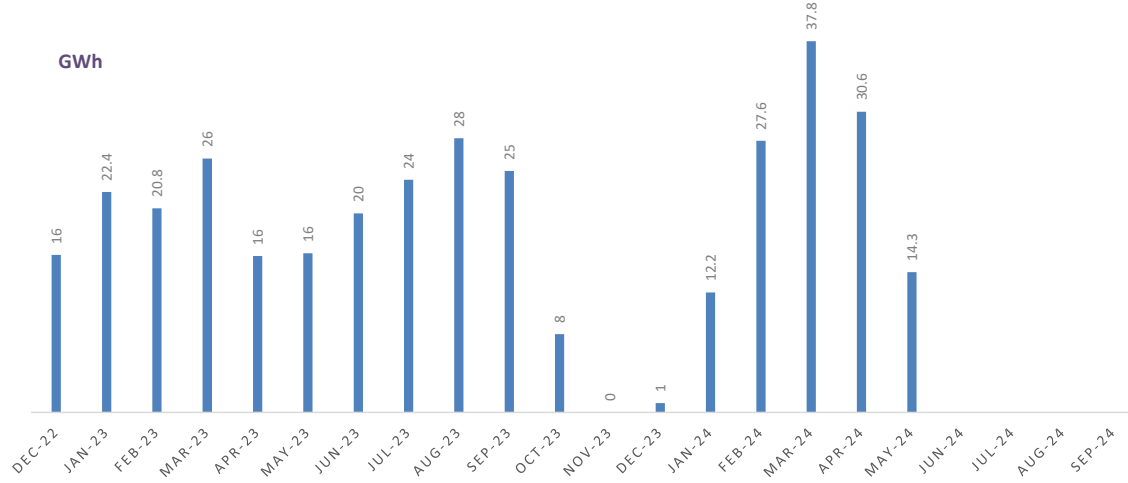
GWh

KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



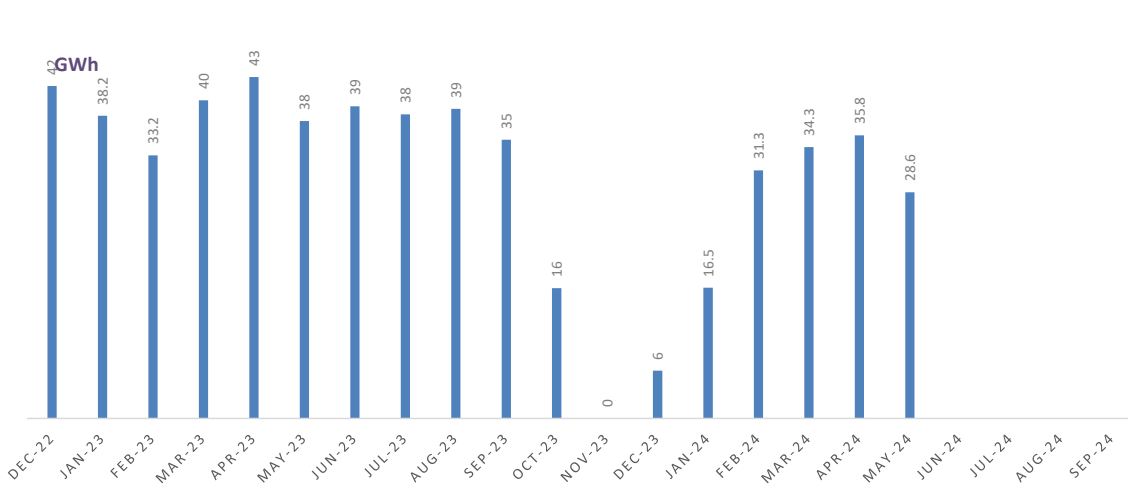
GWh

SAPUGASKANDA - A POWER STATION (80 MW)



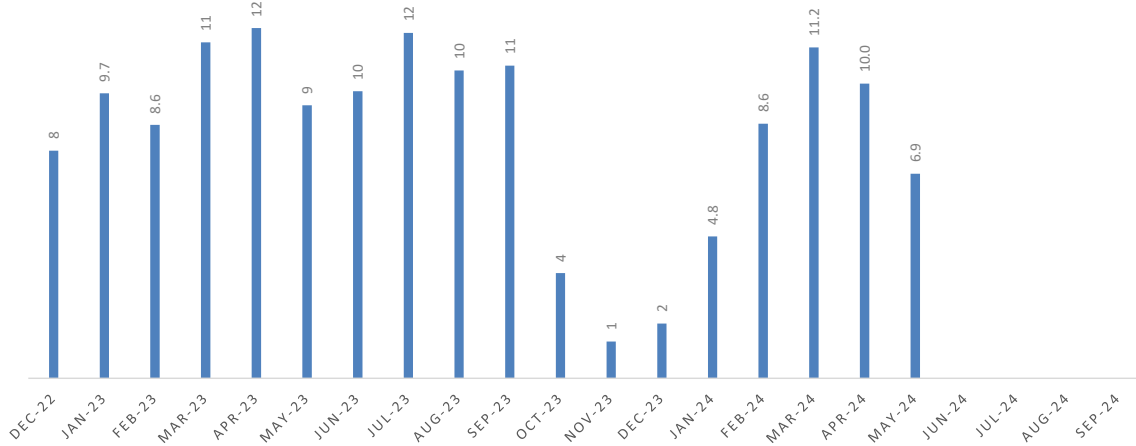
GWh

SAPUGASKANDA - B POWER STATION (80 MW)



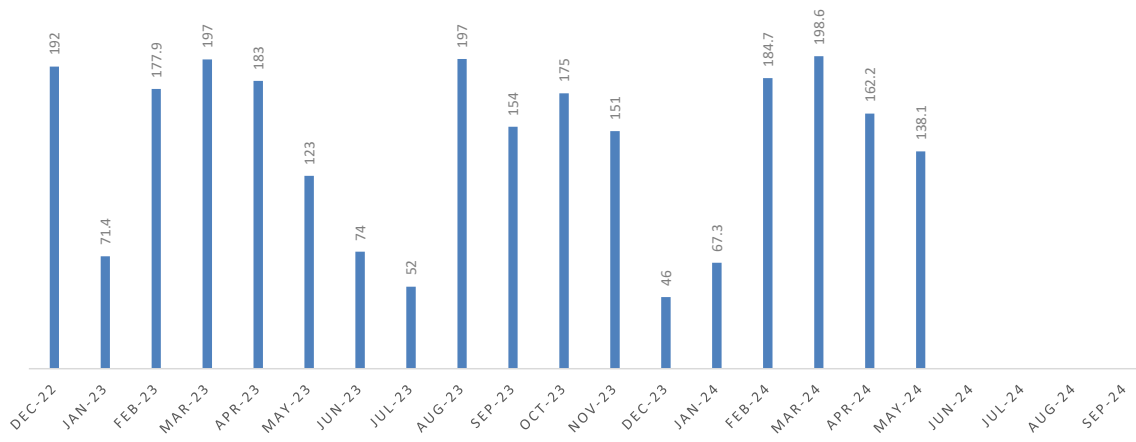
GWh

UTHURU JANANEE POWER STATION (24 MW)



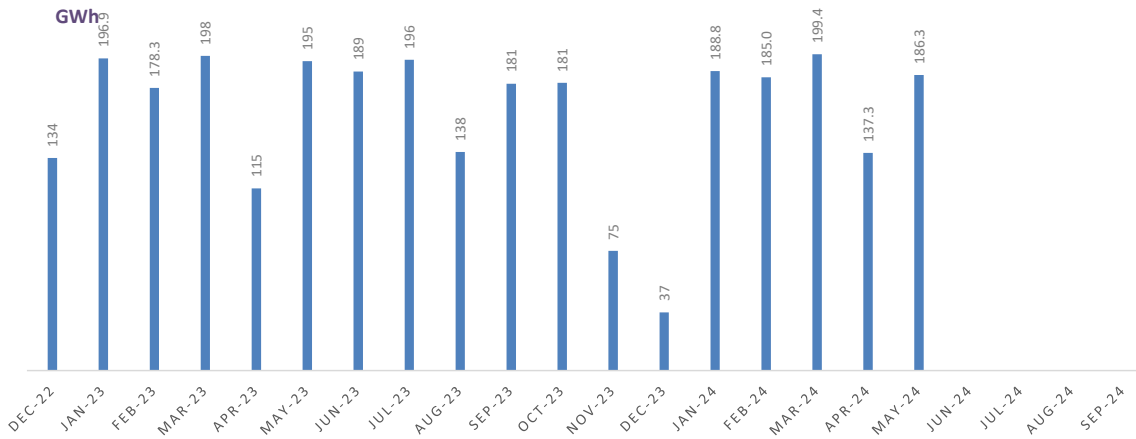
GWh

LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)

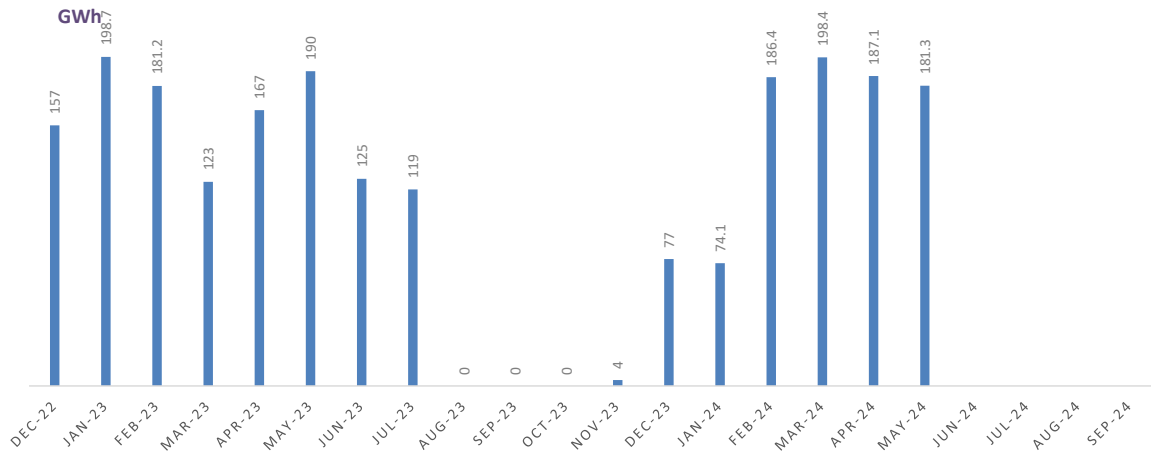


GWh

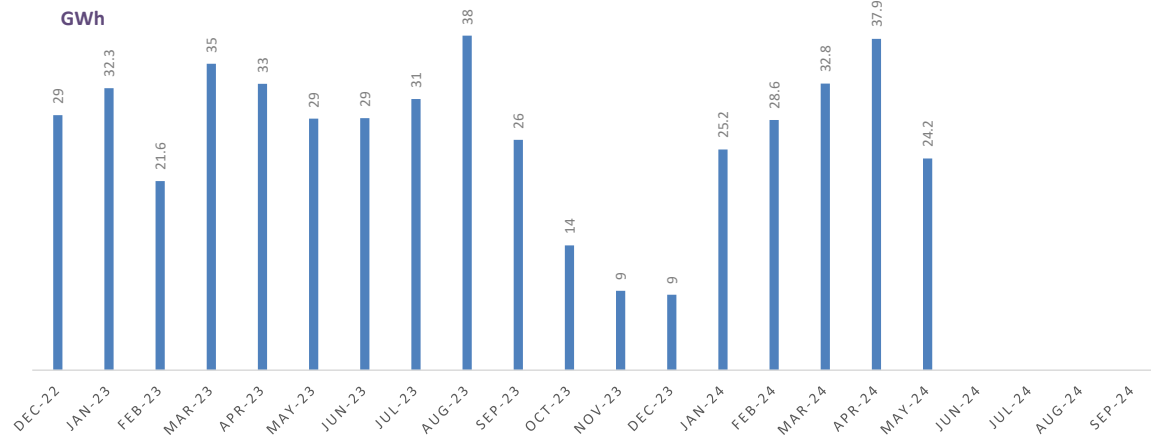
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



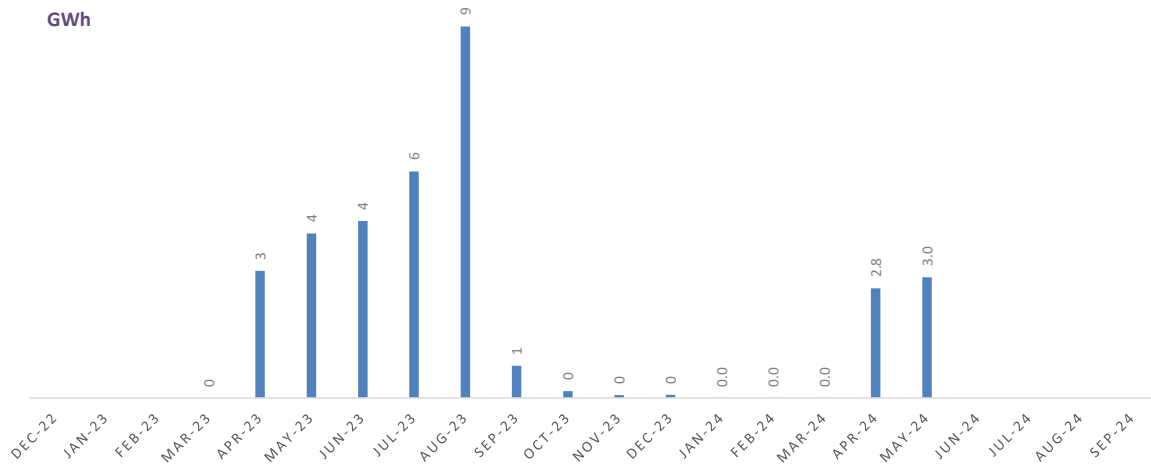
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



BARGE POWER STATION - CEB (60 MW)

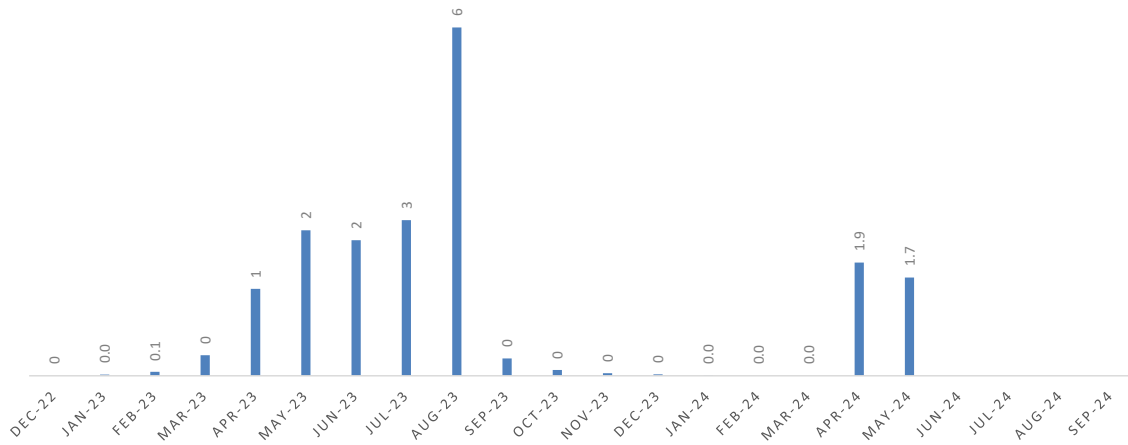


HAMBANTOTA - CEB (24 MW)



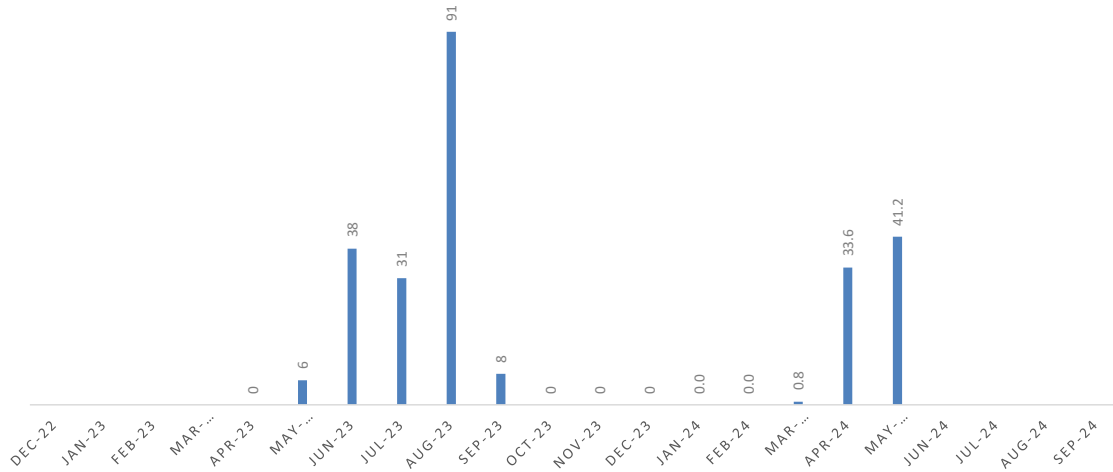
MATHUGAMA - CEB (16 MW)

GWh



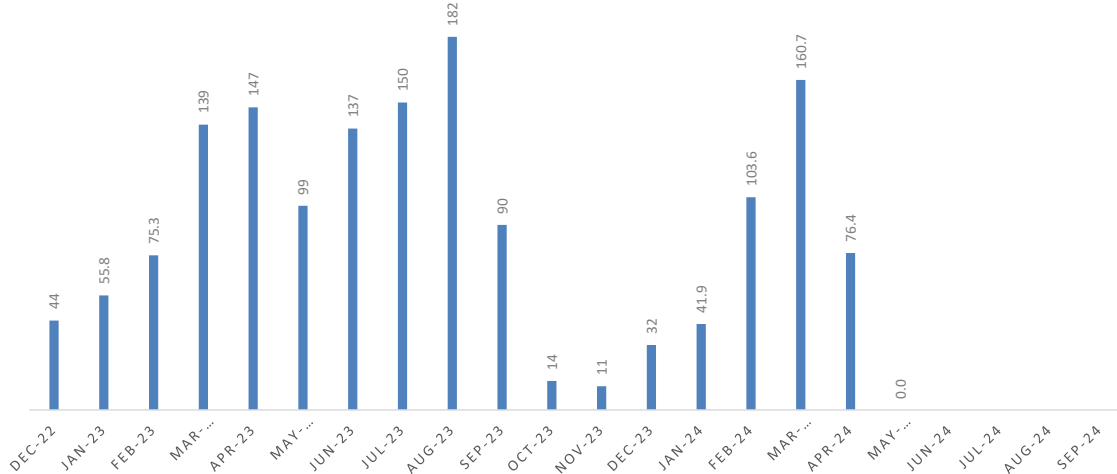
KCCPS - 02 POWER STATION (163 MW)

GWh



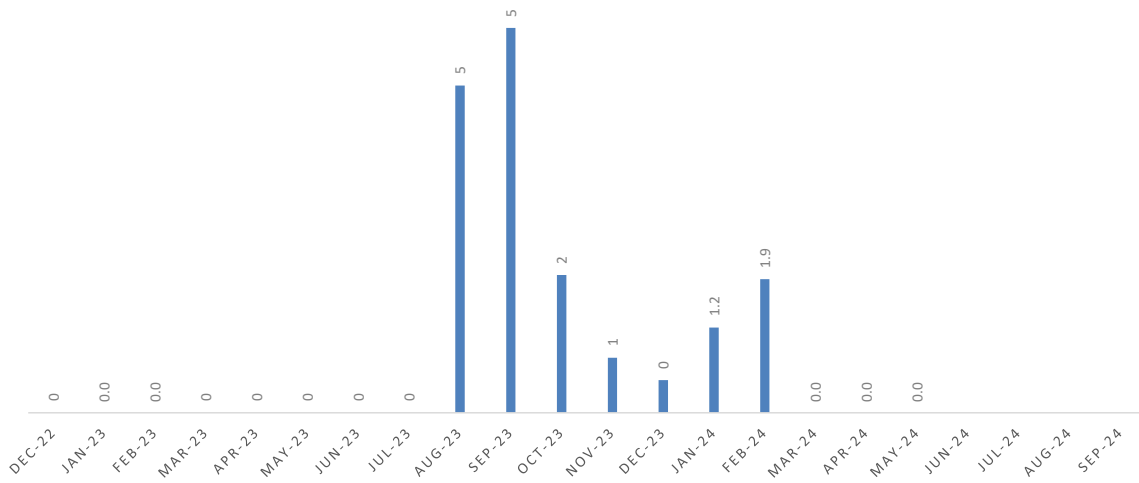
WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)

GWh



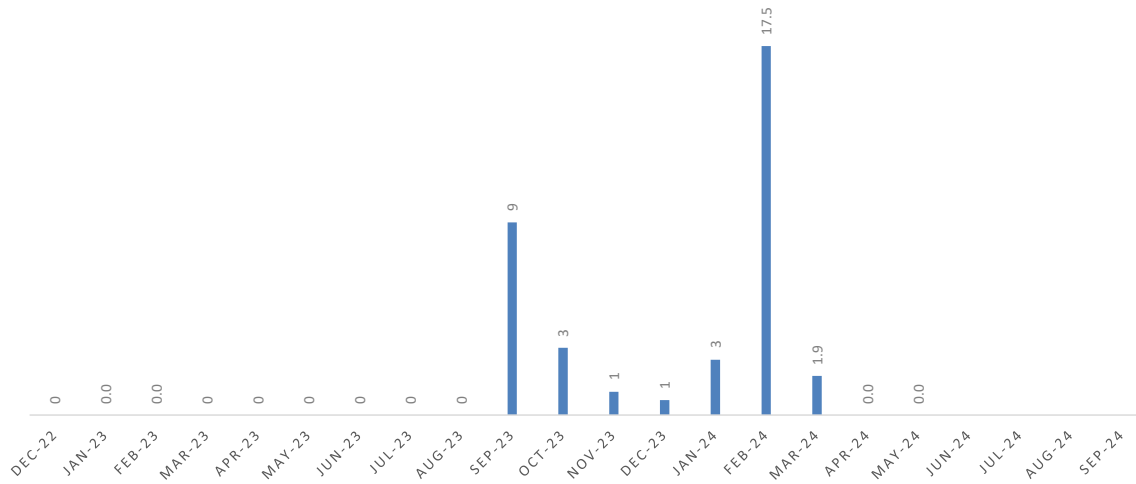
GWh

ACE - MATARA (24 MW)



GWh

ACE - EMBILIPITIYA (93 MW)



3 Peak Demand

During the month;

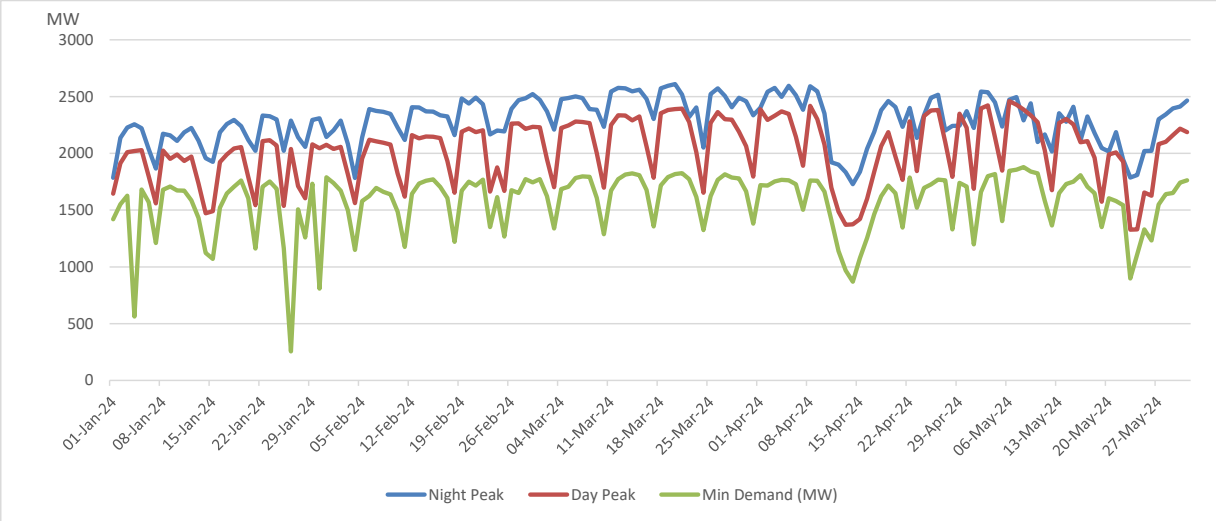
Table 05

Highest Peak Demand	2,545	MW
Lowest Peak Demand	1,787	MW
Highest Day Peak Demand	2,460	MW
Minimum Demand	898	MW

on 02-May
on 23-May
on 06-May
on 23-May

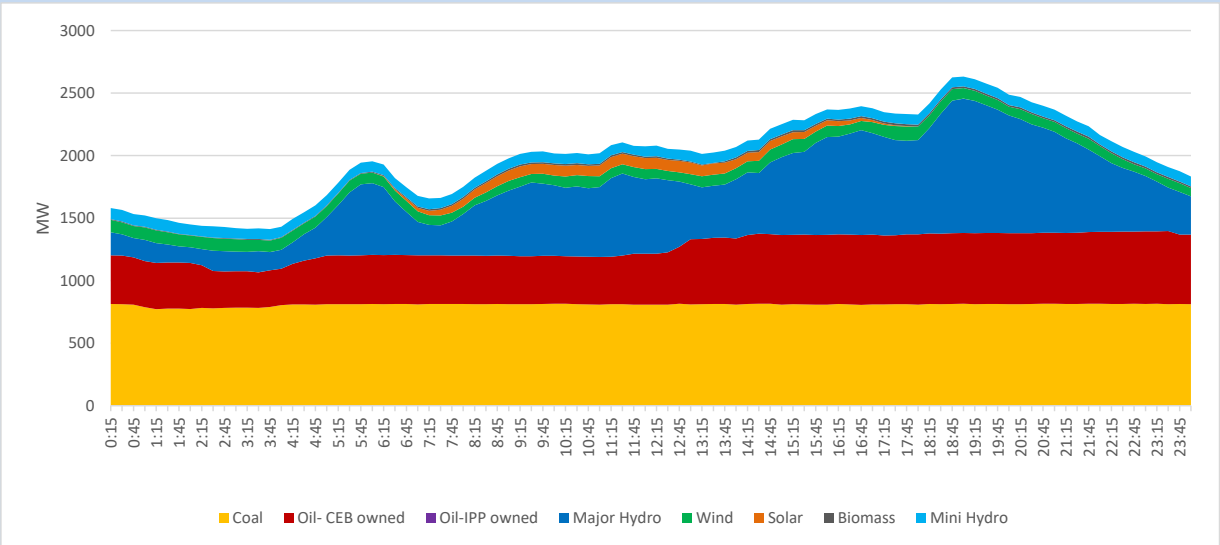
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

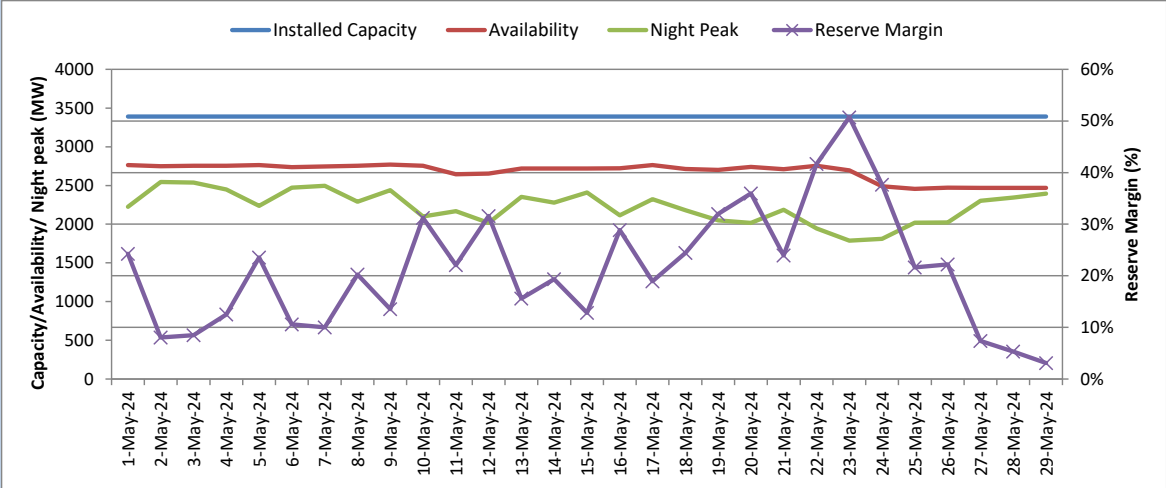


3.2 Load Curve of the Day with Highest Night Peak ,

02-May



3.3 Variation of Reserve Margin During Night Peak



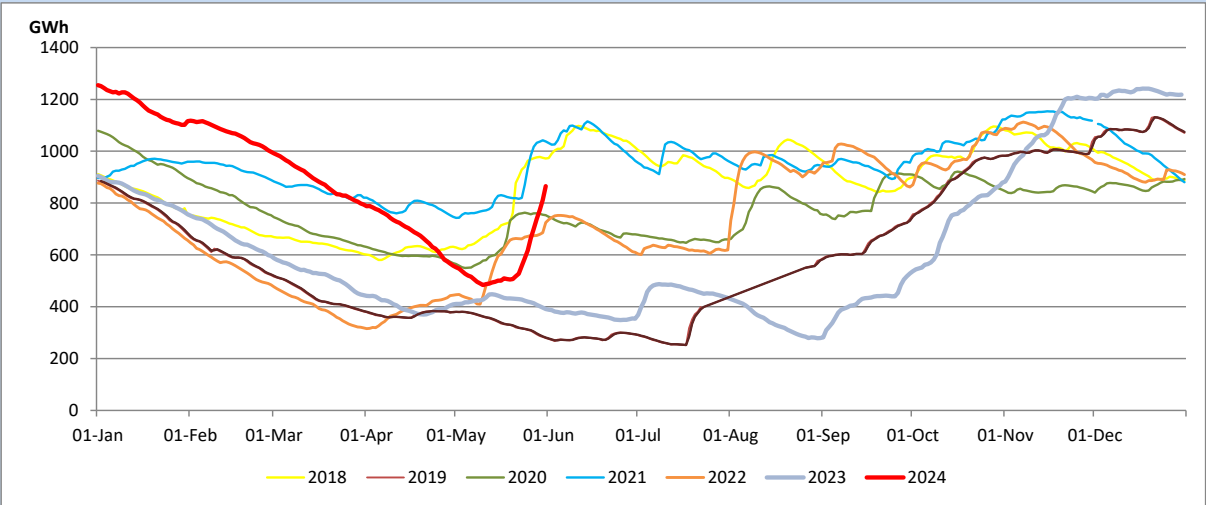
Note:Contribution from NCRE plants is not included

4 Reservoir Statistics

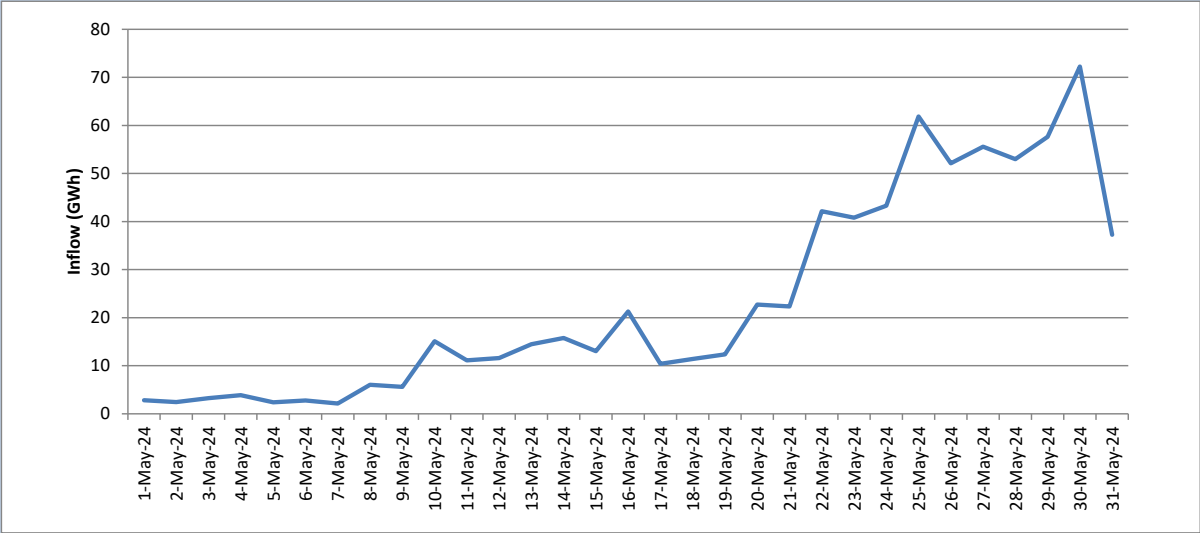
Table 05

Total Reservoir level at the beginning of the month	552.3 GWh
Total Reservoir level at the end of the month	881.9 GWh
Total Inflow	729.0 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

