

Monthly Generation Report

October-23



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

October-23

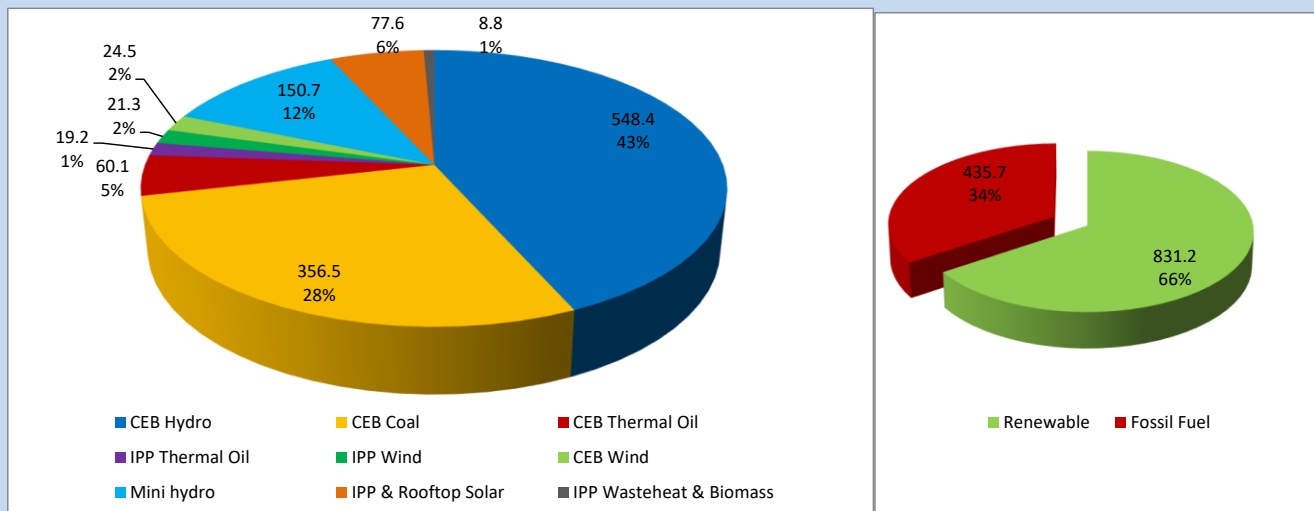


Table 01

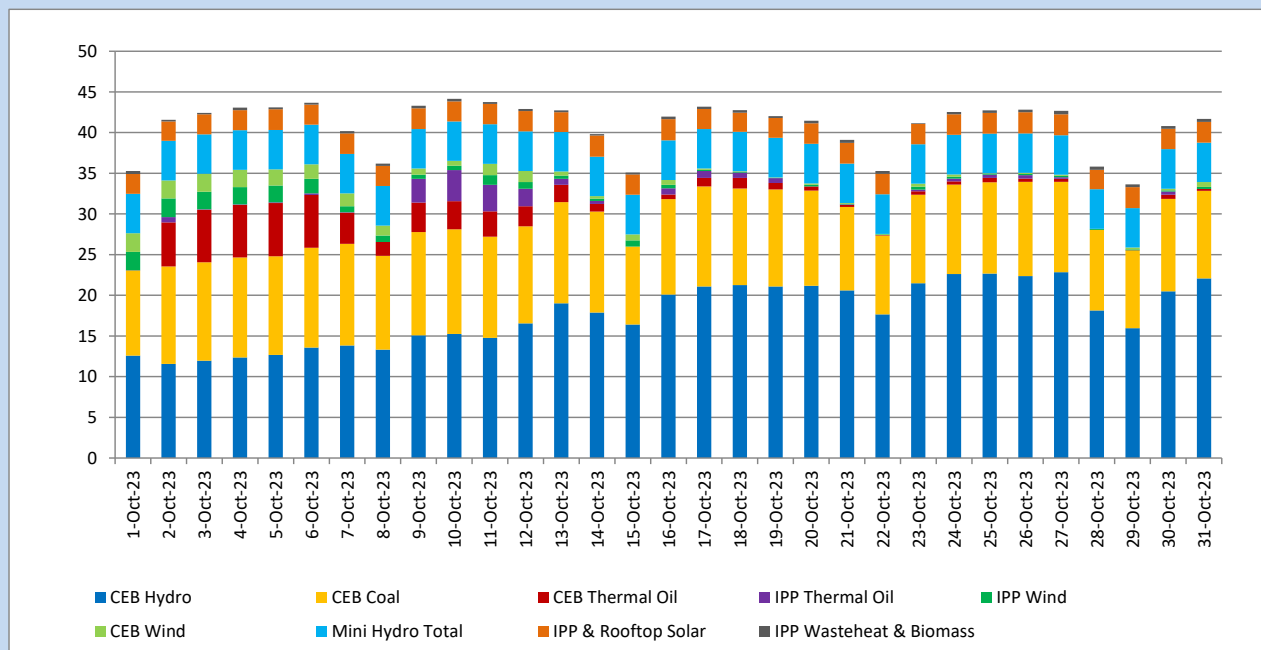
CEB Hydro	548	GWh
CEB Coal	356	GWh
CEB Thermal Oil	60	GWh
IPP Thermal Oil	19	GWh
IPP Wind	21	GWh
CEB Wind	24	GWh
Mini Hydro (Including non telemetered)	151	GWh
IPP Solar (Including estimated figures)	78	GWh
IPP Wasteheat + Biomass	9	GWh
Total Generation (Including estimated figures)	1,265	GWh

Total Generation = 1,265 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

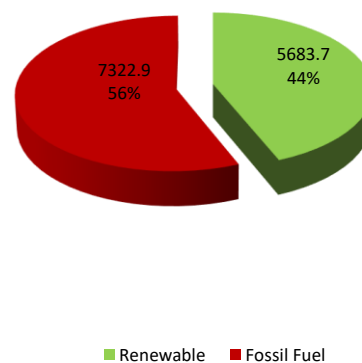
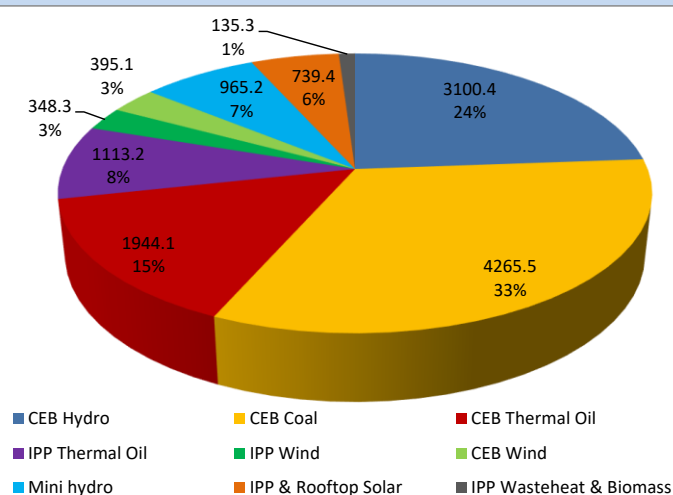


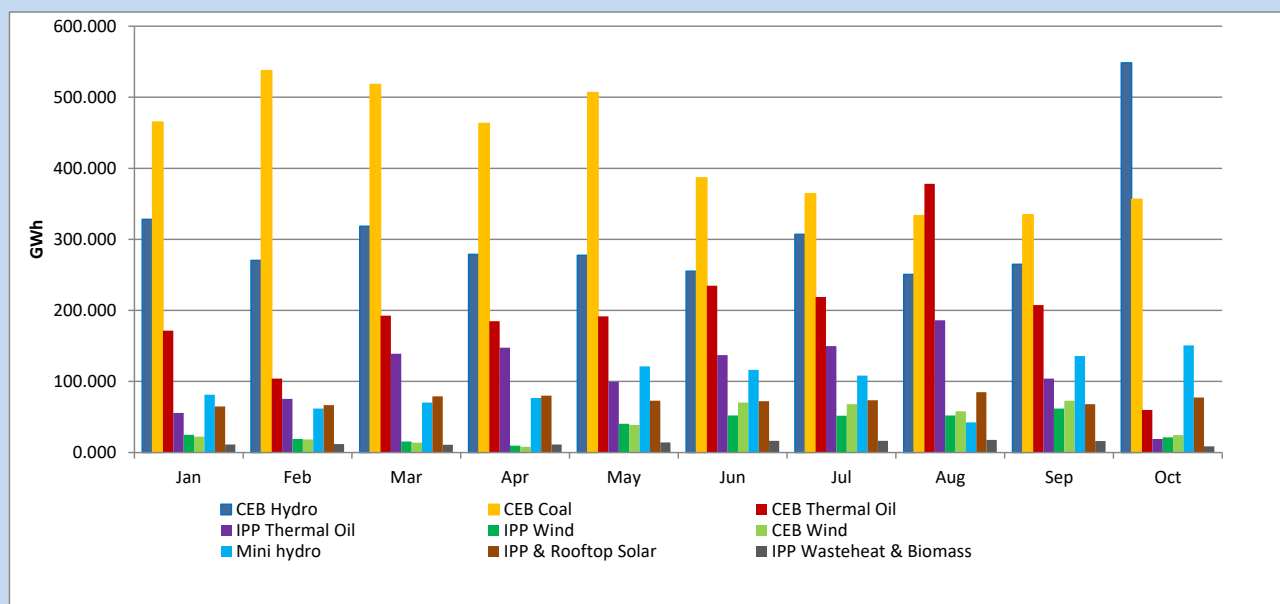
Table 02

CEB Hydro	3100.42	GWh
CEB Coal	4265.49	GWh
CEB Thermal Oil	1944.14	GWh
IPP Thermal Oil	1113.24	GWh
IPP Wind	348.32	GWh
CEB Wind	395.08	GWh
Mini Hydro (Including non telemetered)	965.23	GWh
IPP Solar (Including estimated figures)	739.37	GWh
IPP Wasteheat + Biomass	135.26	GWh
Total Generation (Including estimated figures)	13006.56	GWh

Table 03

	Installed Capacity (MW)
CEB Hydro	1409
CEB Coal	810
CEB Thermal Oil	781
IPP Thermal Oil (West Coast, ACE Matara and ACE Embilipitiya)	387
IPP Wind	148
CEB Wind	100
Mini Hydro	422
IPP Waste heat + Biomass	50
IPP Solar	151
Rooftop Solar* (Ordinary)	283
Rooftop Solar* (LT Bulk)	271
Rooftop Solar* (HT Bulk)	74

1.4 Variation of Monthly Generation Mix during the year



2 Major Plant Dispatch

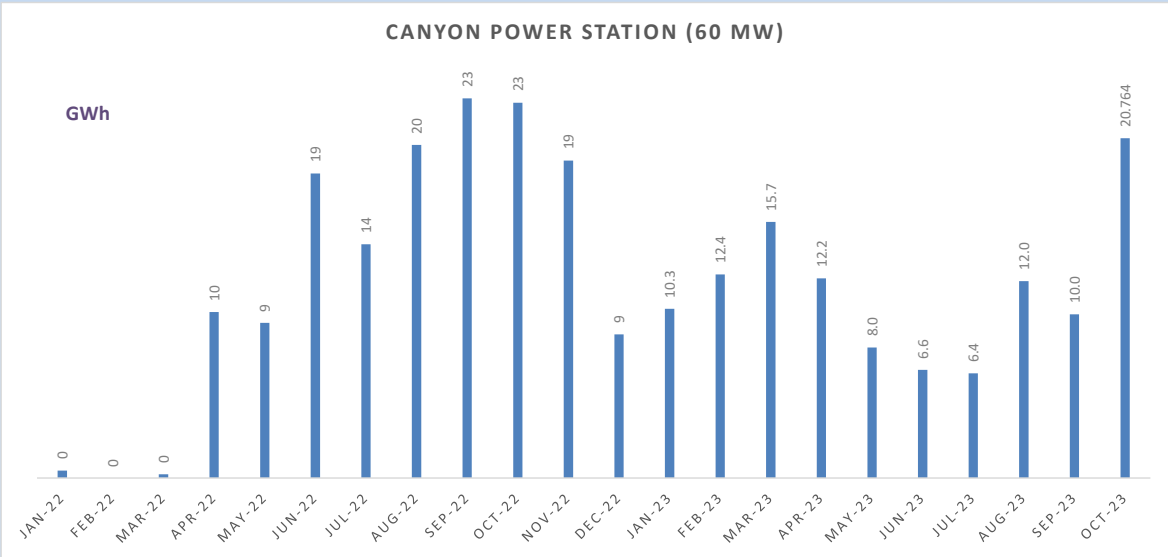
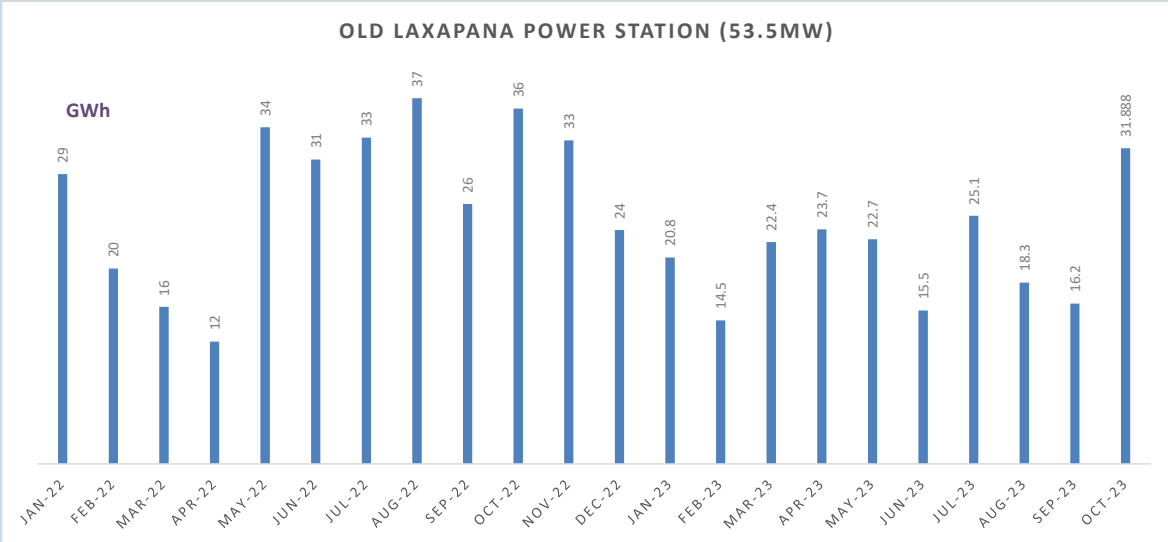
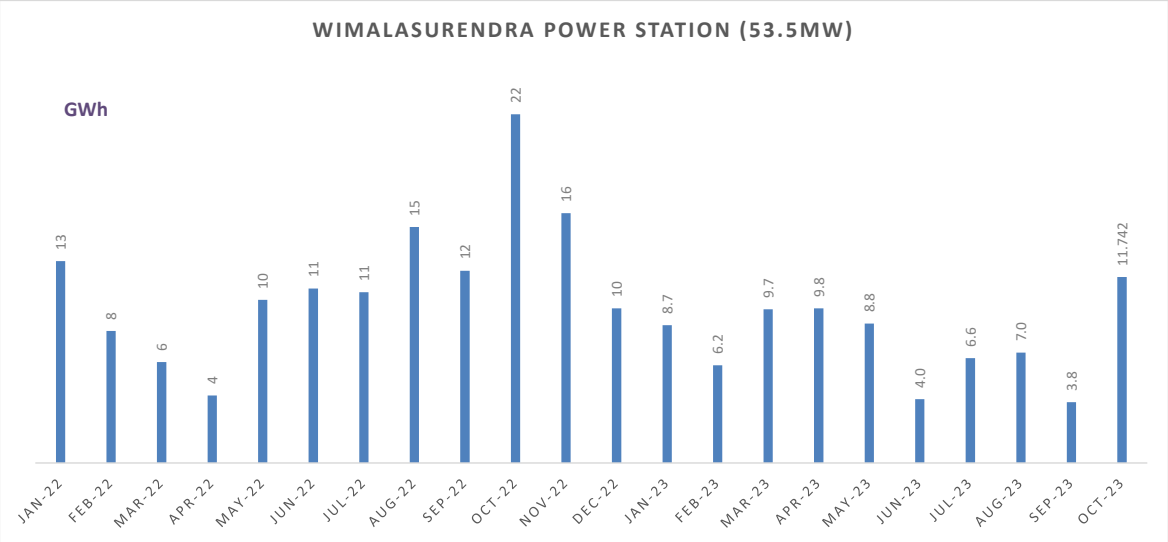
2.1 Dispatch from all Generation Major Plants in

October-23

Table 04

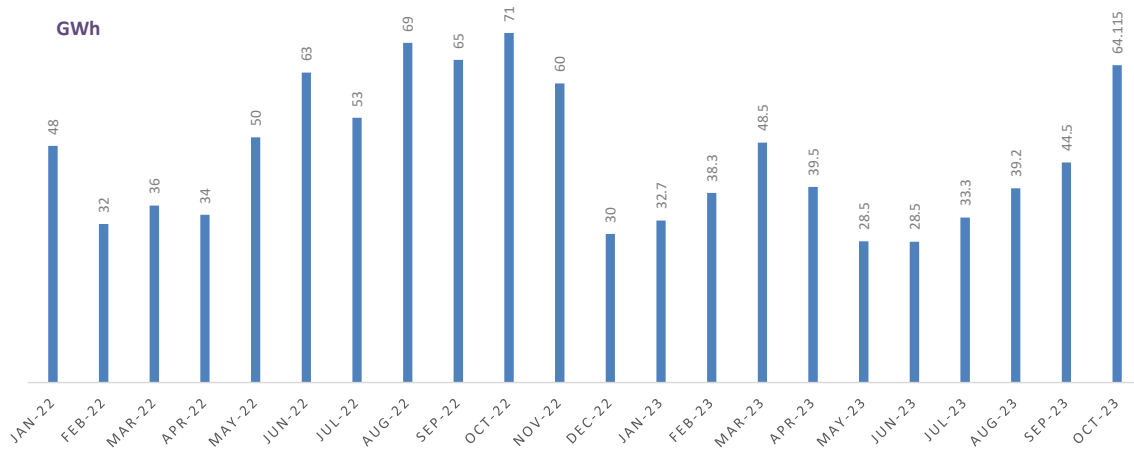
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	11,742	32.6%
Old Laxapana	54	31,888	82.0%
Canyon	60	20,764	48.1%
New Laxapana	100	64,115	89.0%
Polpitiya	90	56,290	86.9%
Broadlands	35	16,732	66.4%
Kotmale	201	78,490	54.2%
Victoria	210	43,325	28.7%
Randenigala	122	7,518	8.6%
Rantambe	50	7,955	22.1%
Ukuwela	40	20,254	70.3%
Bowatenna	40	18,817	65.3%
Upper Kotmale	150	81,477	75.4%
Nilambe	3	1,906	88.2%
Samanalawewa	120	28,391	32.9%
Kukule	75	57,935	107.3%
Inginiyagala	8.8	873	13.8%
Udawalawe	4	0	0.0%
Puttalam Coal I	270	175,035	90.0%
Puttalam Coal II	270	181,420	93.3%
Puttalam Coal III	270	0	0.0%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	161	17,535	15.1%
Sapugaskanda A	70	7,963	15.8%
Sapugaskanda B	70	16,460	32.7%
Uthura Janani	26	3,565	19.0%
Barge CEB	60	14,270	33.0%
CEB - Hambantota	30	173	0.8%
CEB - Mathugama	20	96	0.7%
KCCPS -2	163	0	0.0%
ACE Matara	24	1,950	11.3%
West Coast	270	14,067	7.2%

2.3 Generation of Major Power Plants From Last Year



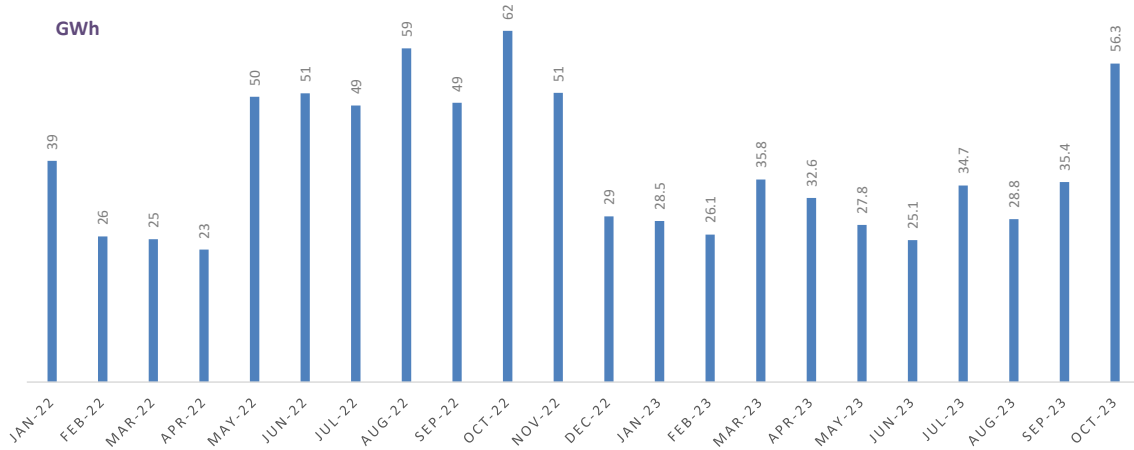
NEW LAXAPANA POWER STATION (115 MW)

GWh



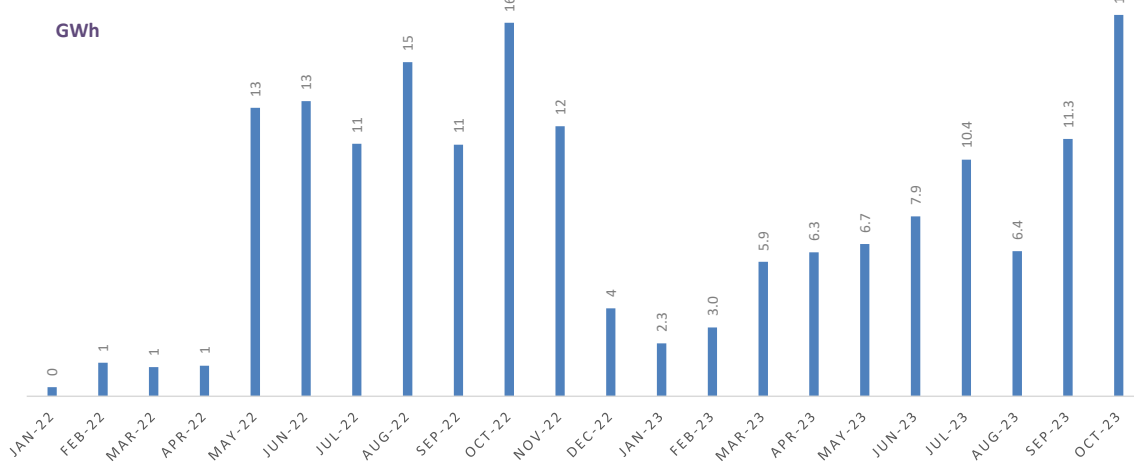
POLPITIYA POWER STATION (90 MW)

GWh



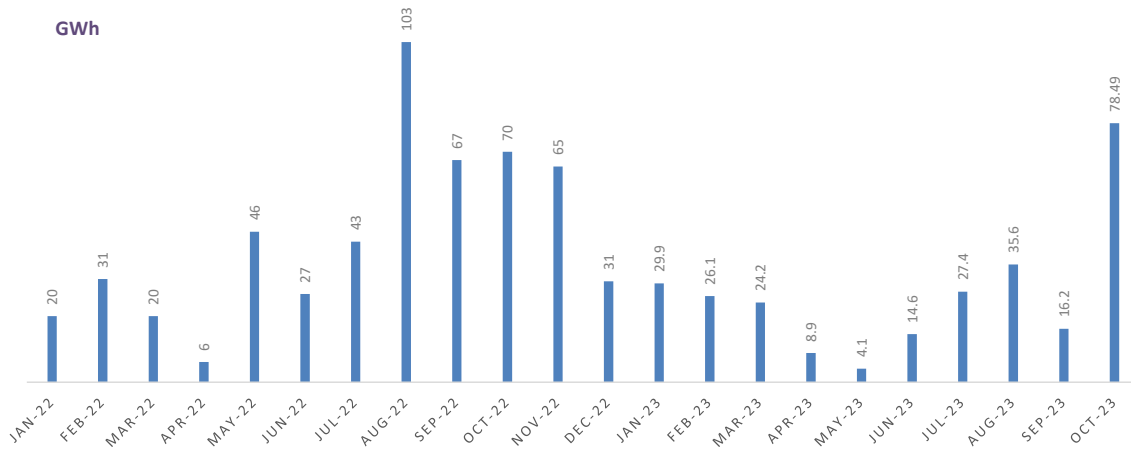
BROADLANDS POWER STATION (35 MW)

GWh



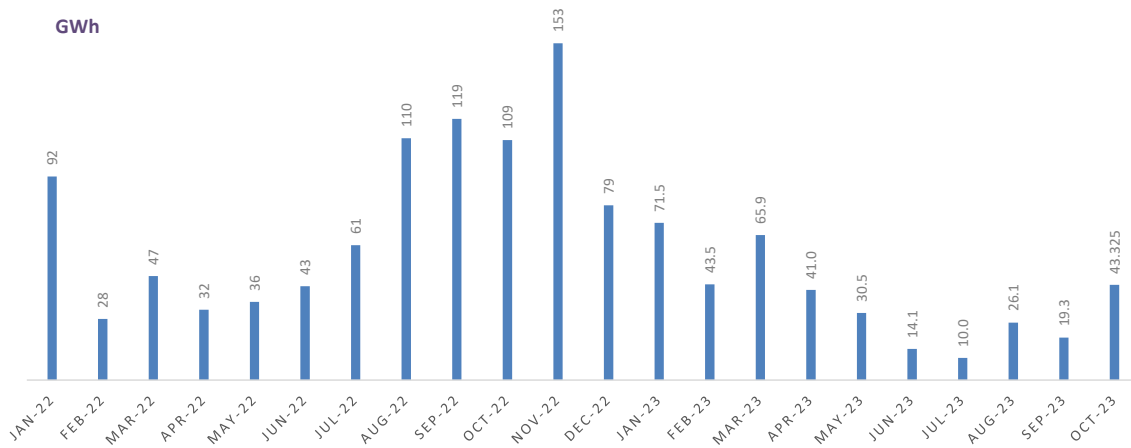
KOTMALE POWER STATION (201 MW)

GWh



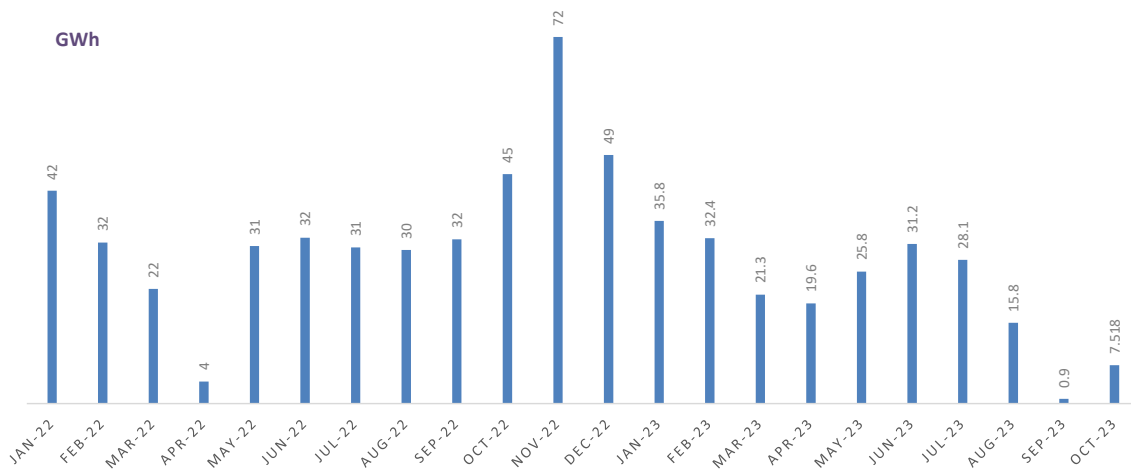
VICTORIA POWER STATION (225 MW)

GWh



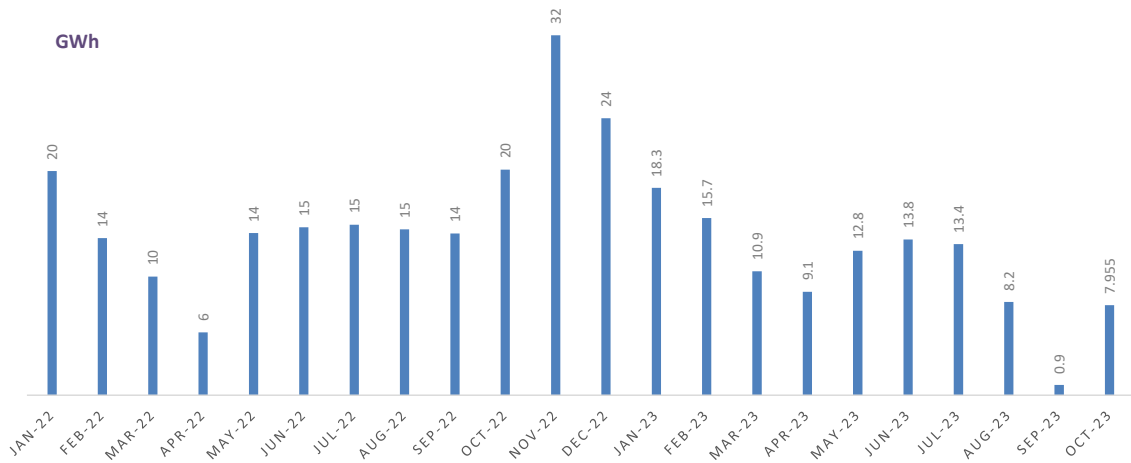
RANDENIGALA POWER STATION (114 MW)

GWh



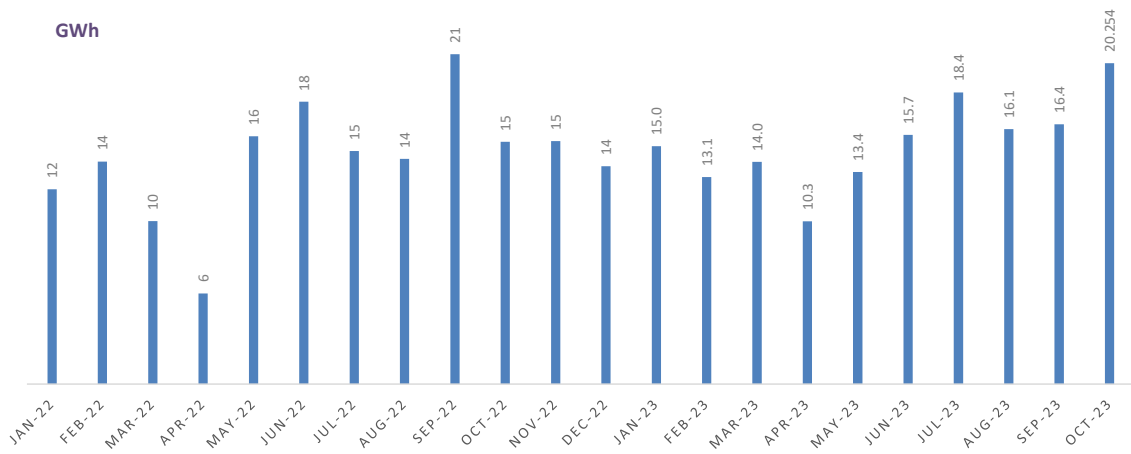
RANTAMBE POWER STATION (50 MW)

GWh



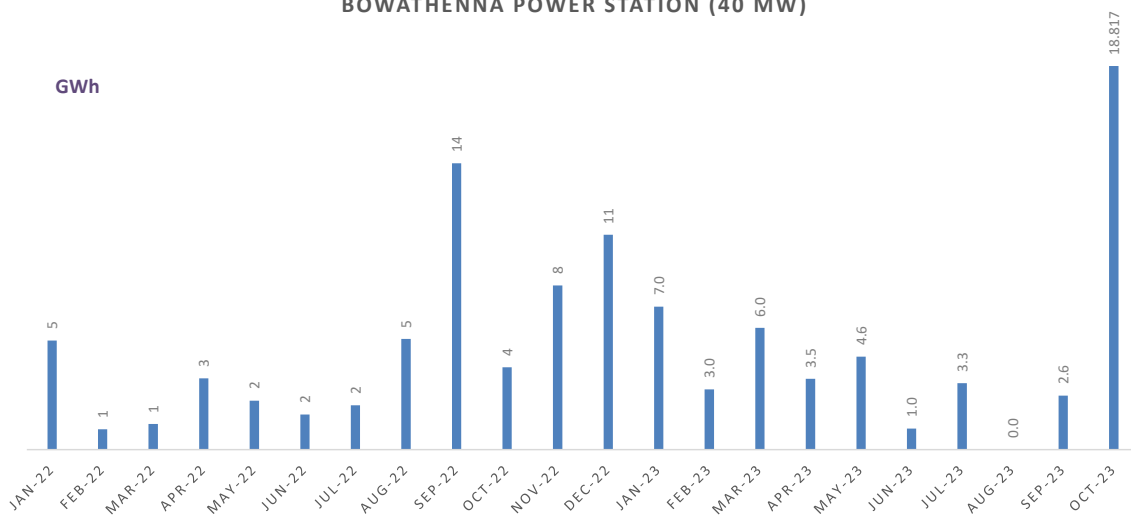
UKUWELA POWER STATION (37 MW)

GWh



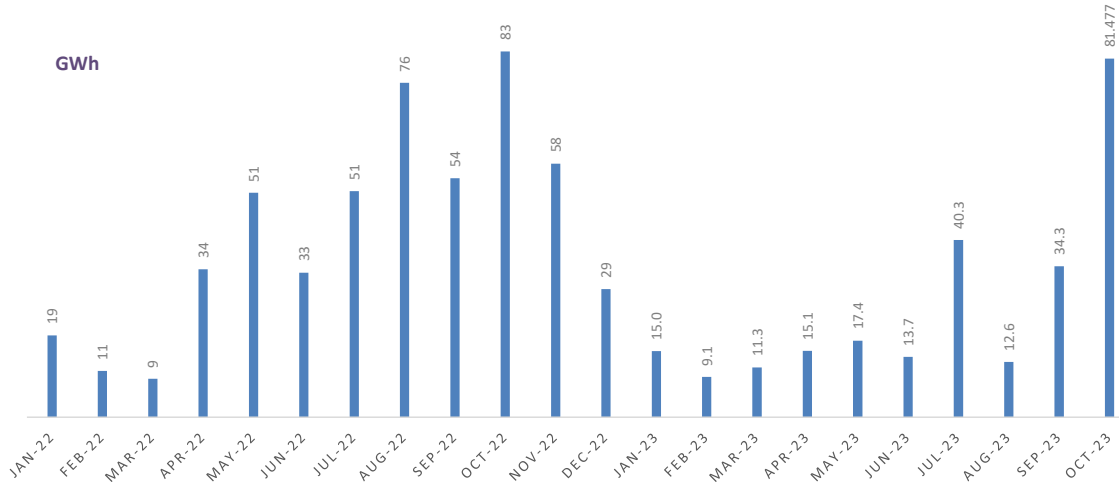
BOWATHENNA POWER STATION (40 MW)

GWh



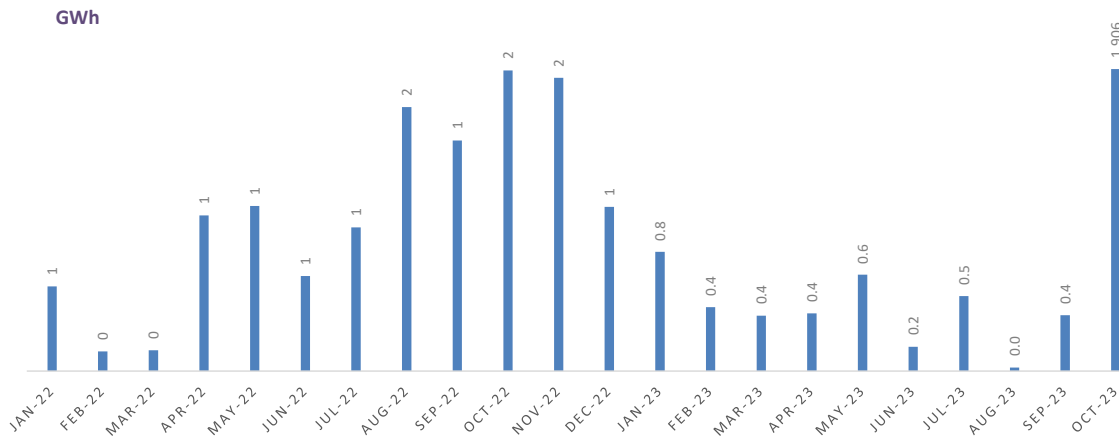
UPPER KOTMALE POWER STATION (150 MW)

GWh



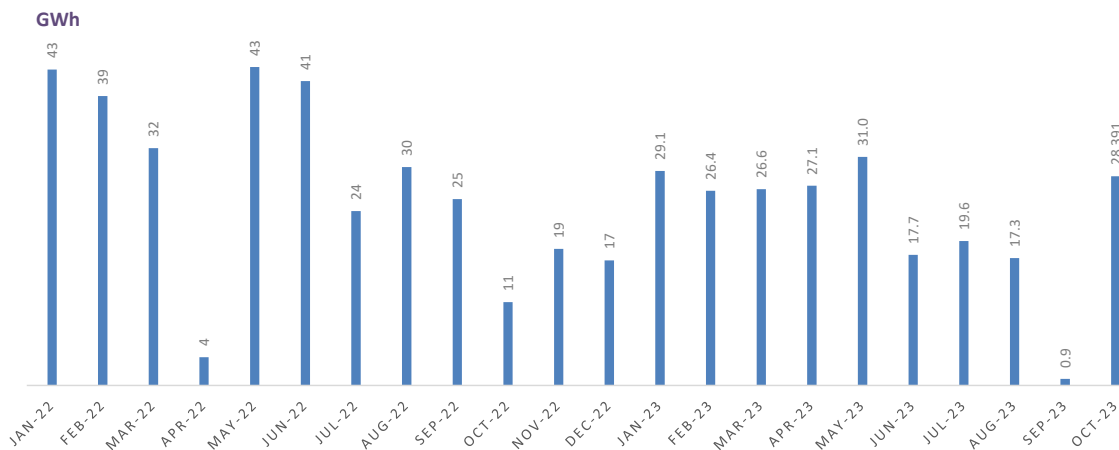
NILLAMBE POWER STATION (3 MW)

GWh



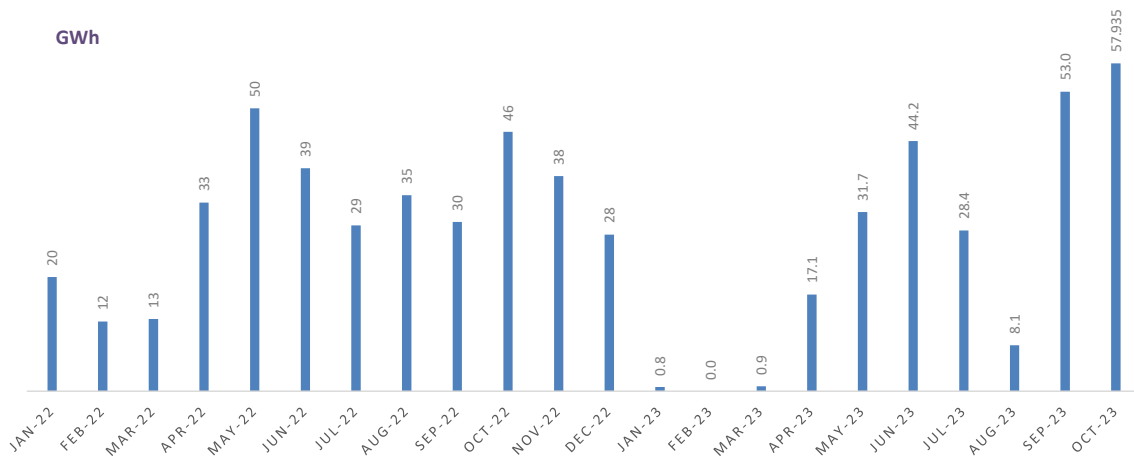
SAMANALAWEWA POWER STATION (120 MW)

GWh



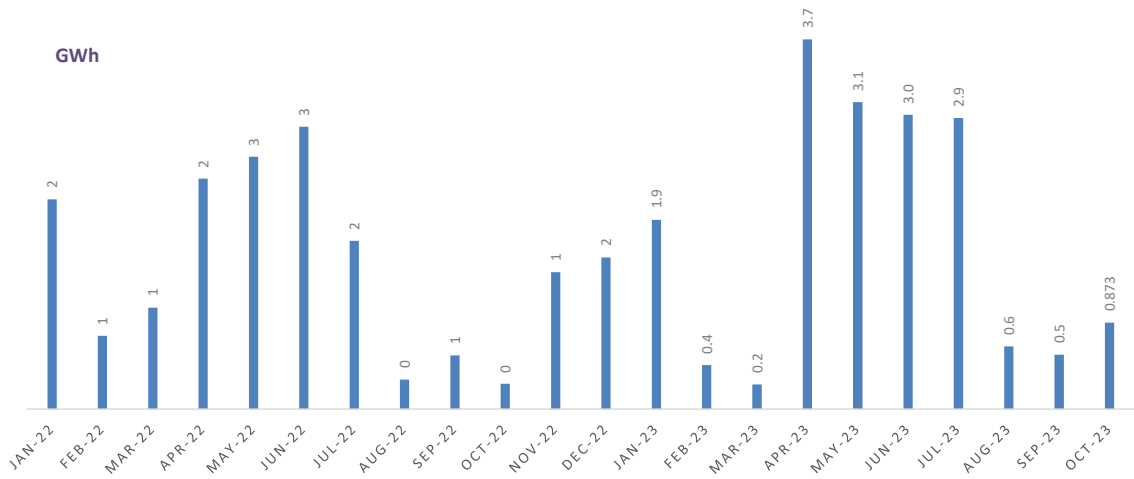
KUKULE POWER STATION (75 MW)

GWh



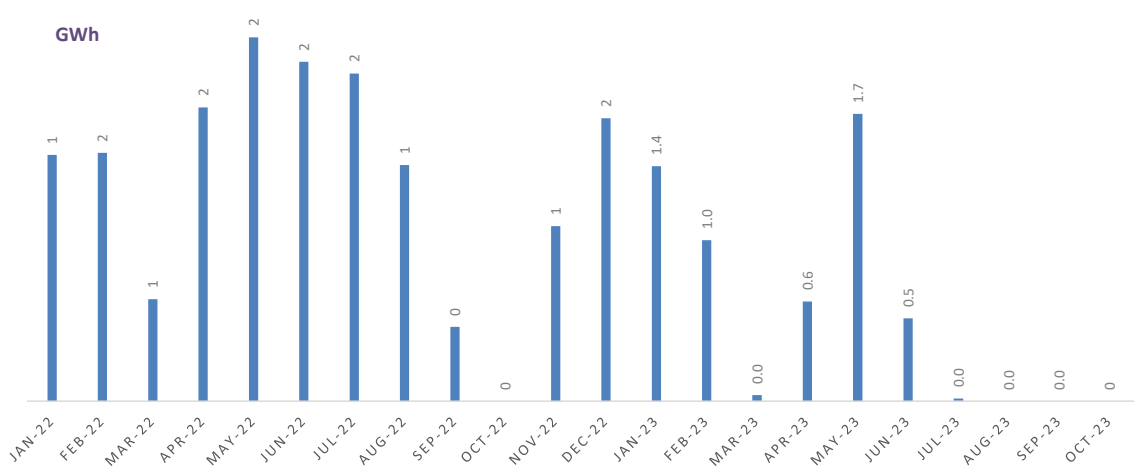
INGINIYAGALA POWER STATION (11 MW)

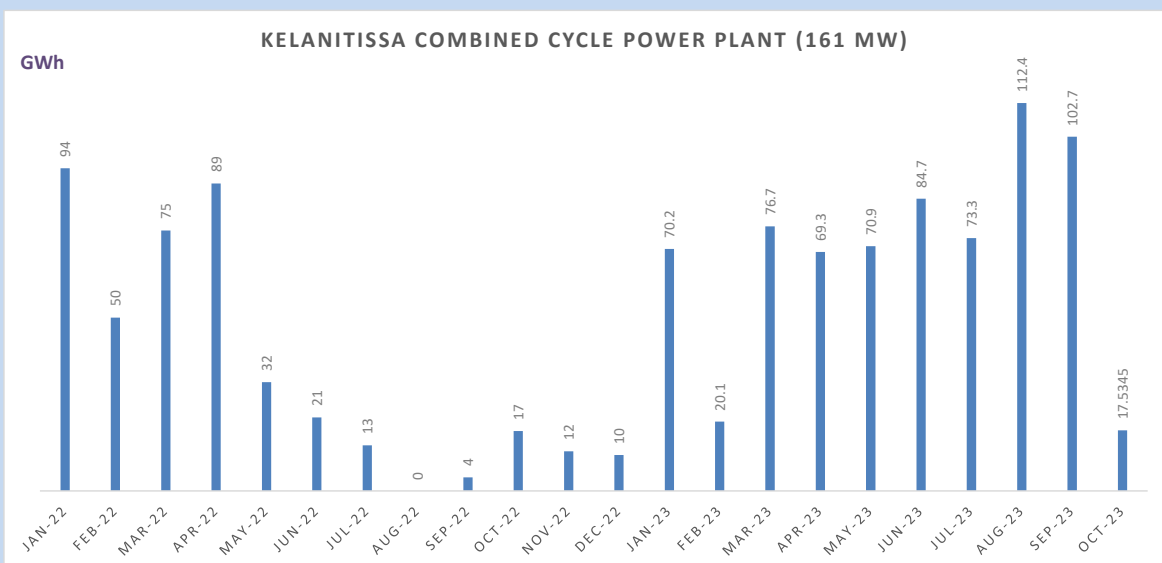
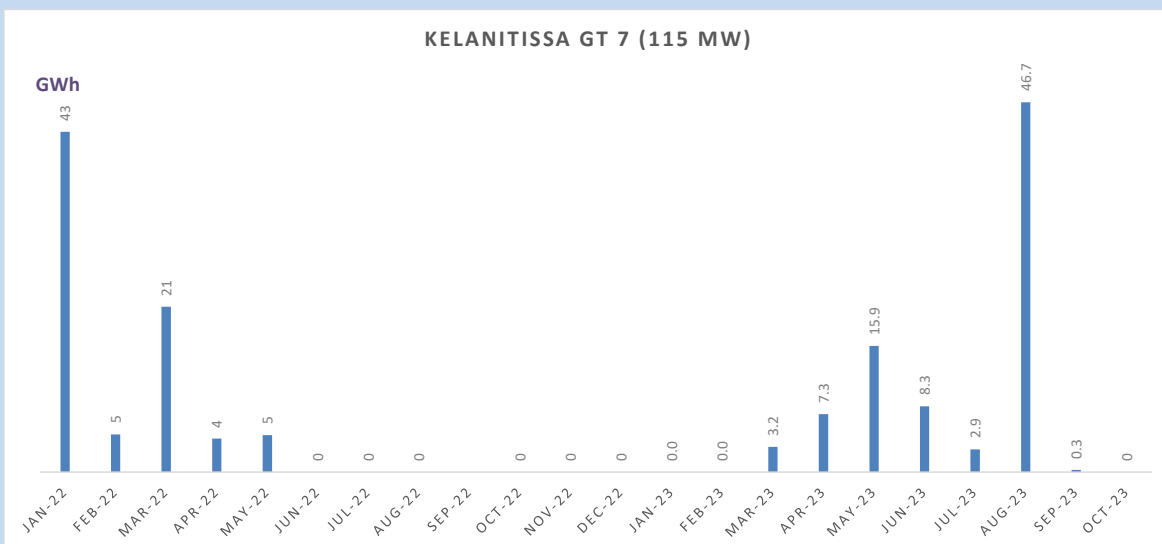
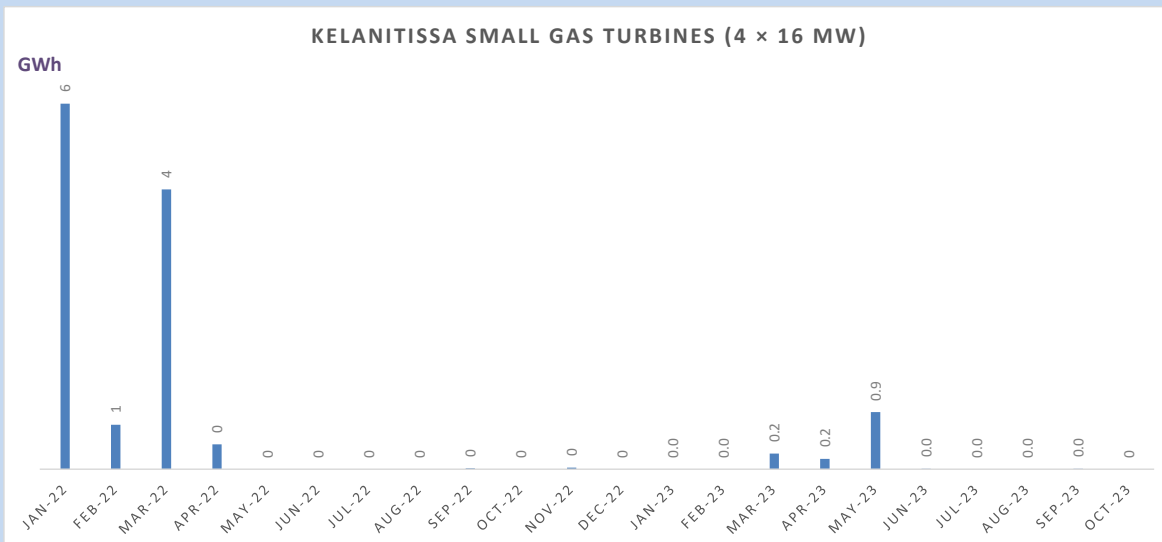
GWh



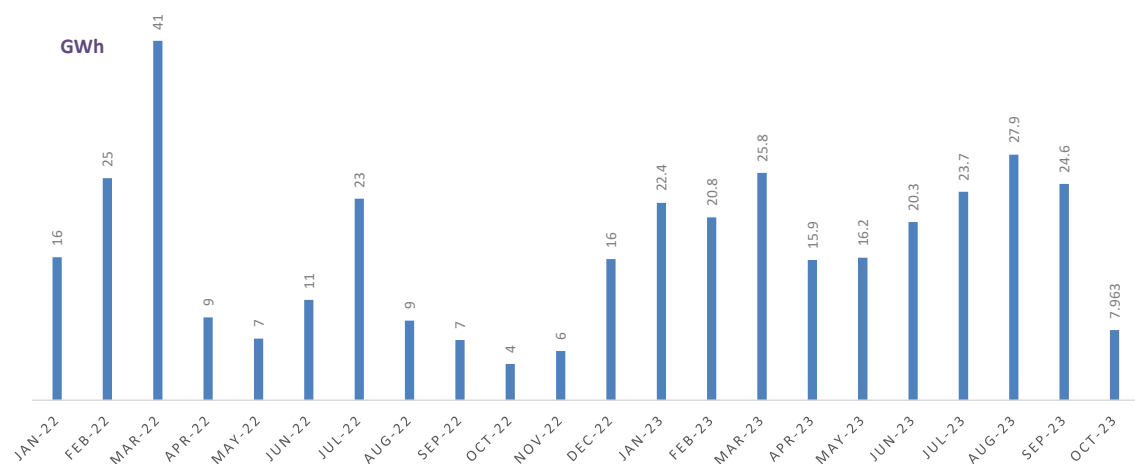
UDAWALAWE POWER STATION (6 MW)

GWh

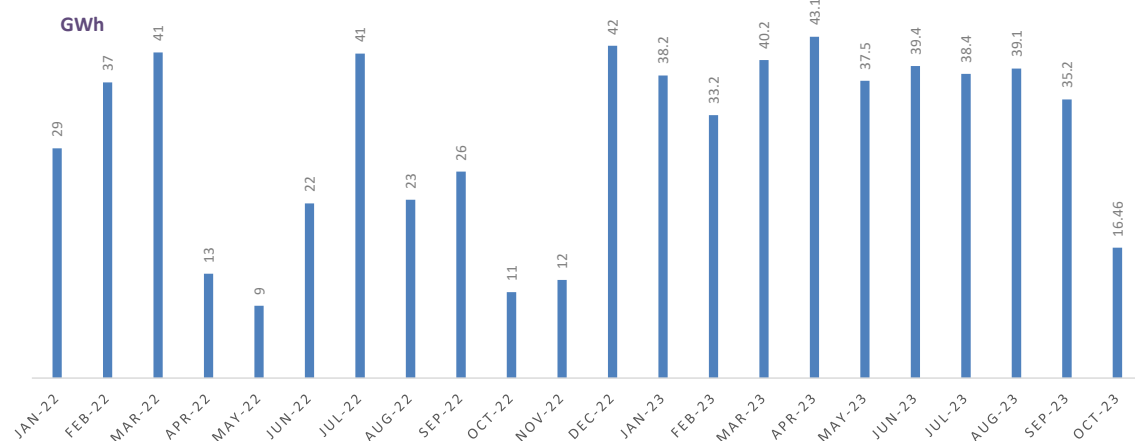




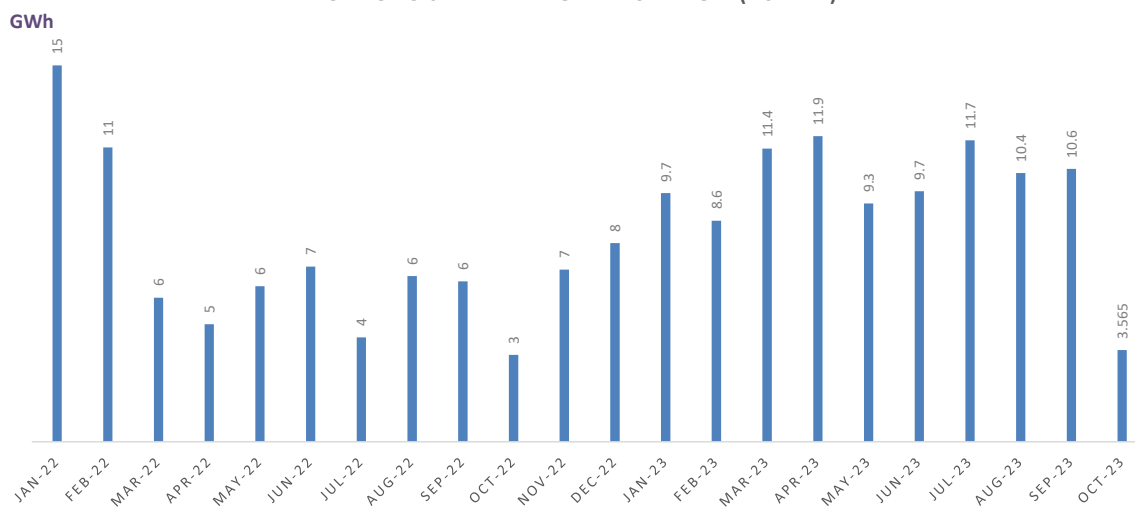
SAPUGASKANDA - A POWER STATION (80 MW)



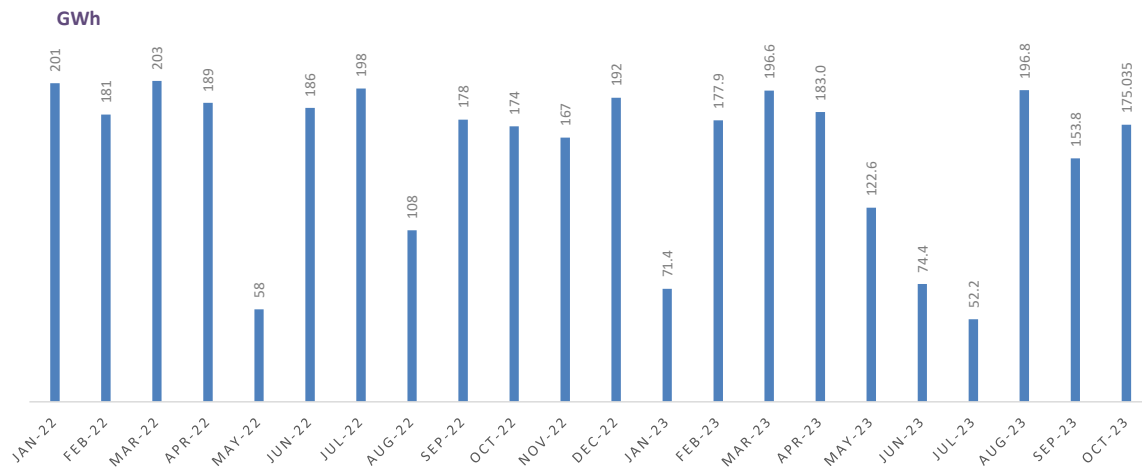
SAPUGASKANDA - B POWER STATION (80 MW)



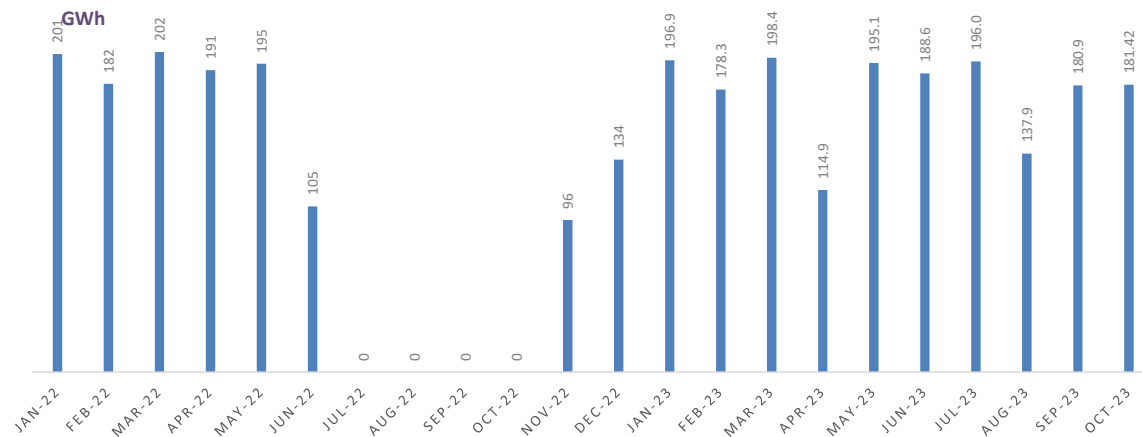
UTHURU JANANEE POWER STATION (26 MW)



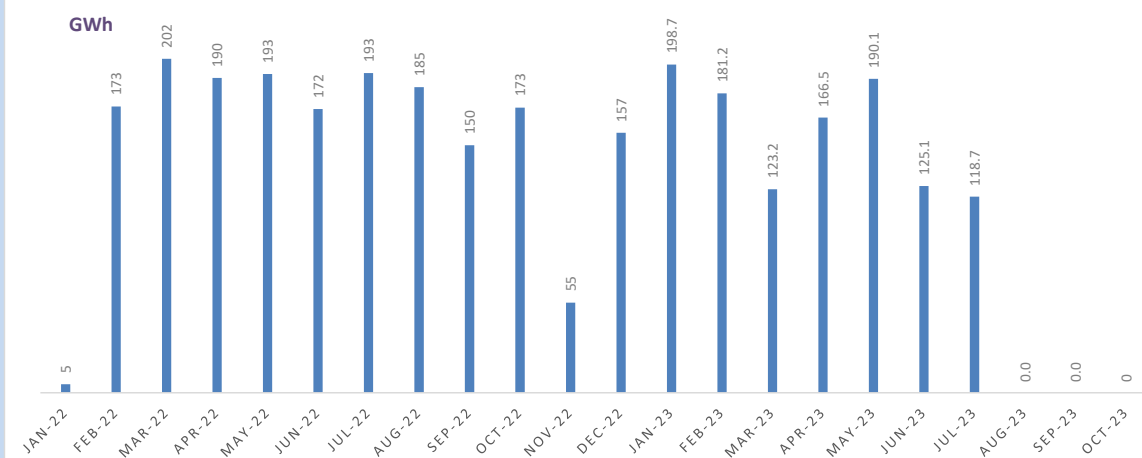
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



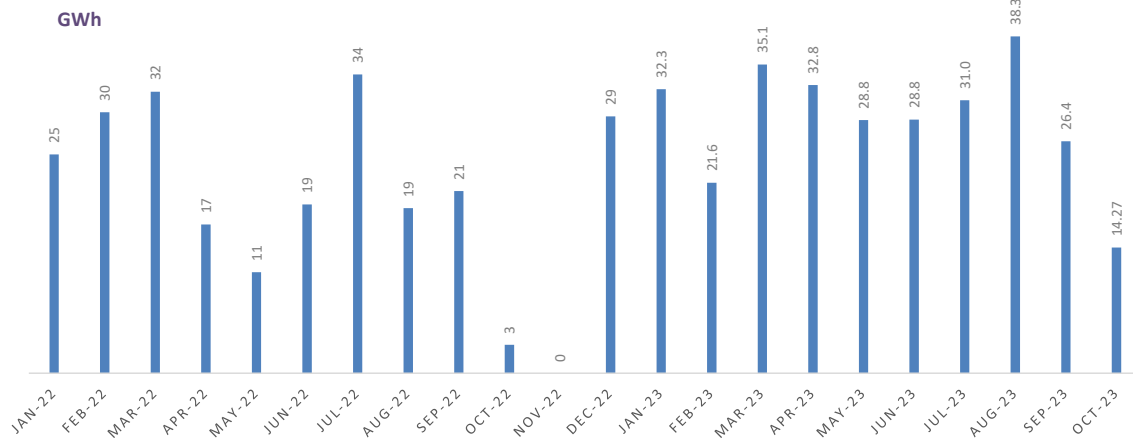
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



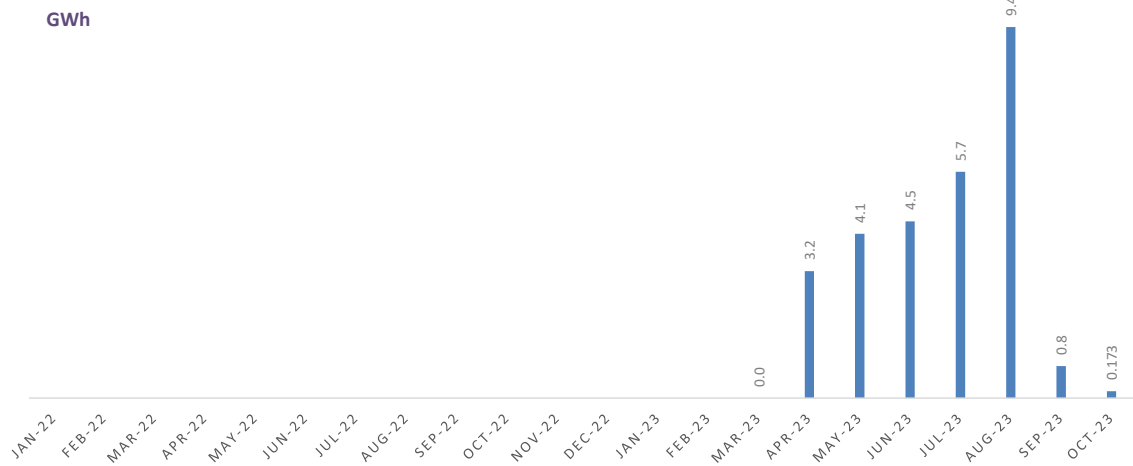
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



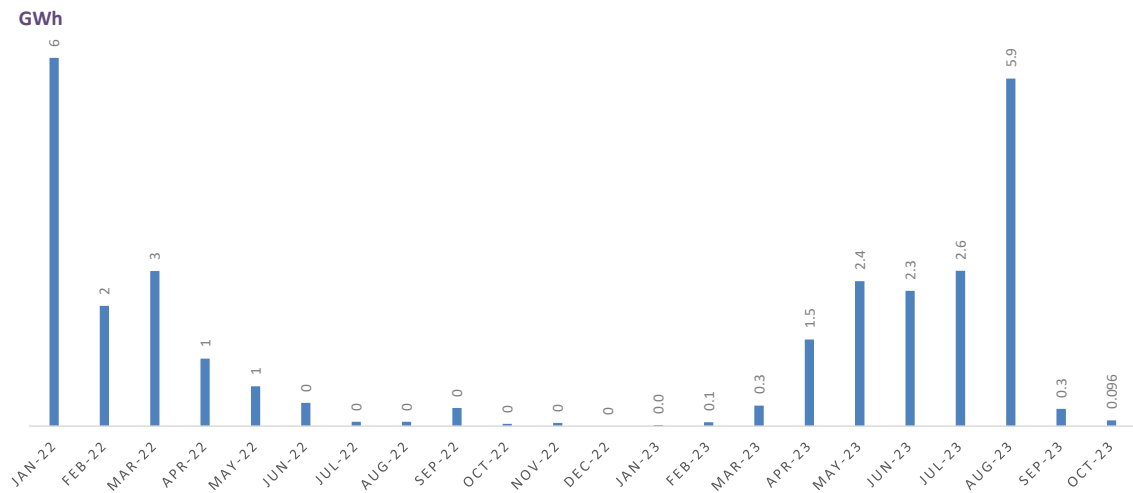
BARGE POWER STATION - CEB (60 MW)



HAMBANTOTA - CEB (30 MW)

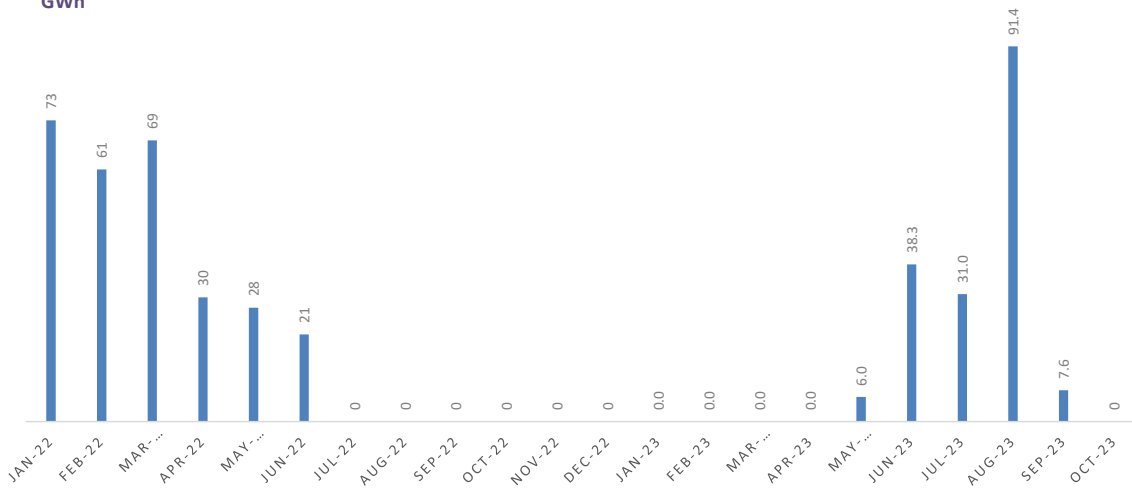


MATHUGAMA - CEB (20 MW)



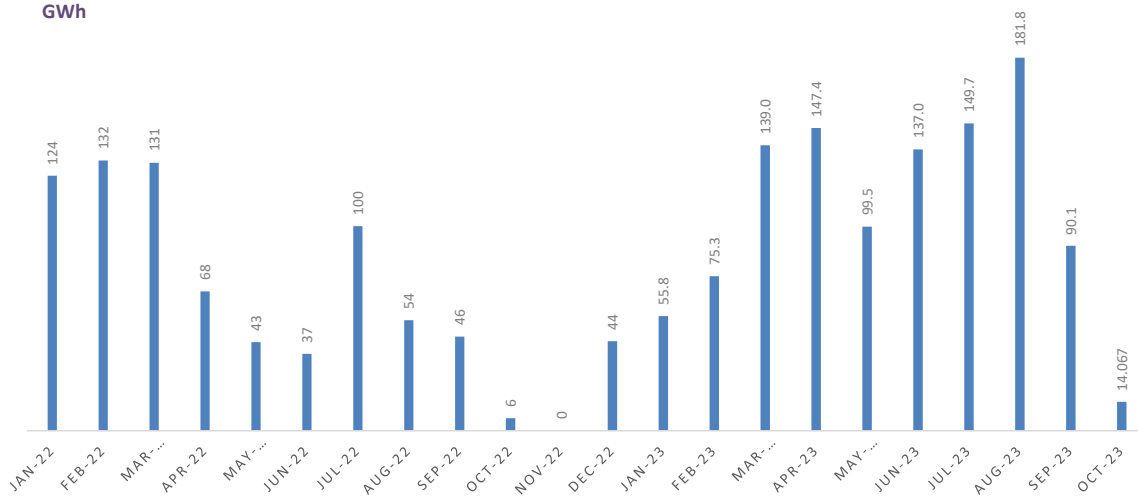
KCCPS - 02 POWER STATION (163 MW)

GWh



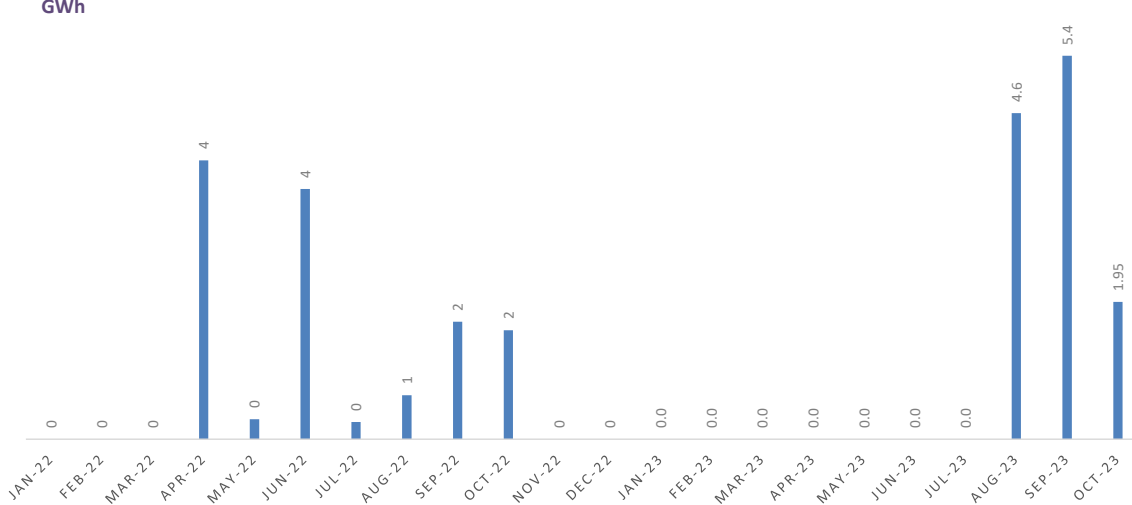
WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)

GWh



ACE - MATARA (24 MW)

GWh



3 Peak Demand

During the month;

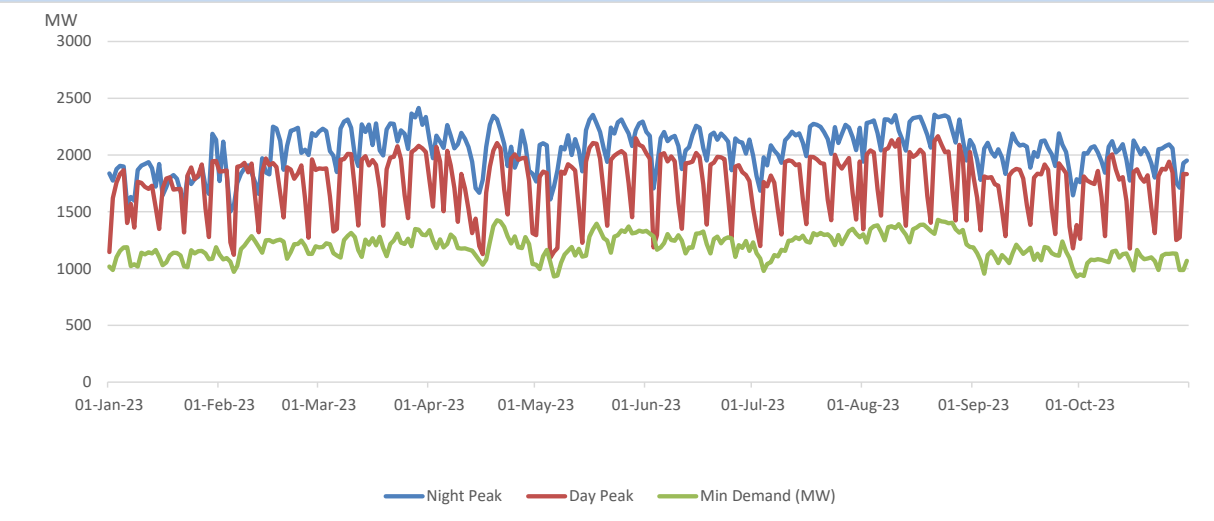
Table 05

Highest Peak Demand	2,127	MW
Lowest Peak Demand	1,711	MW
Highest Day Peak Demand	2,007	MW
Minimum Demand	935	MW

on 16-Oct
on 29-Oct
on 10-Oct
on 02-Oct

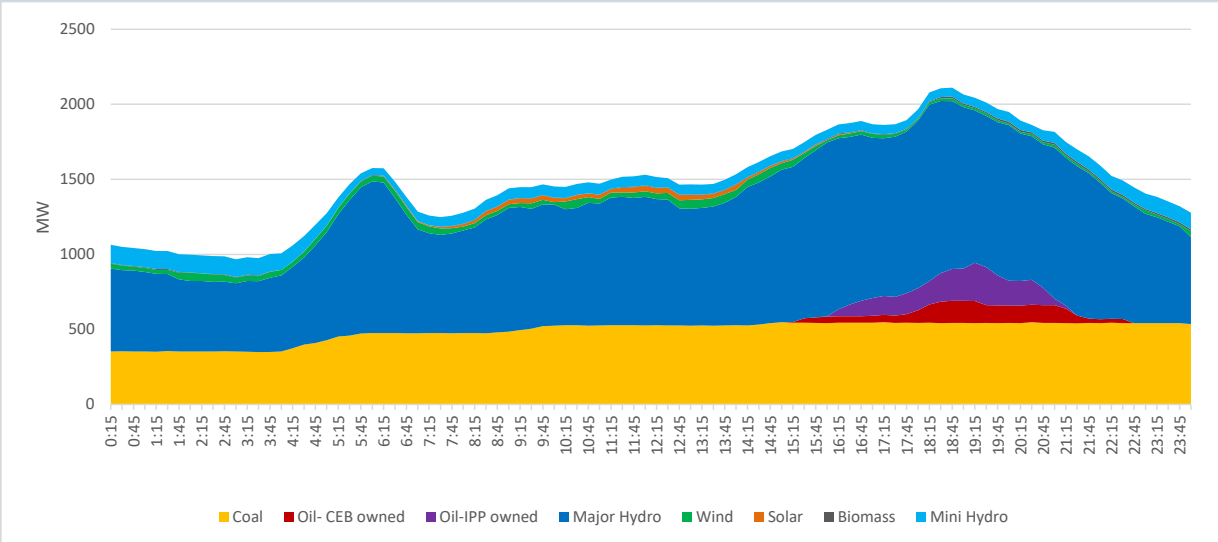
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

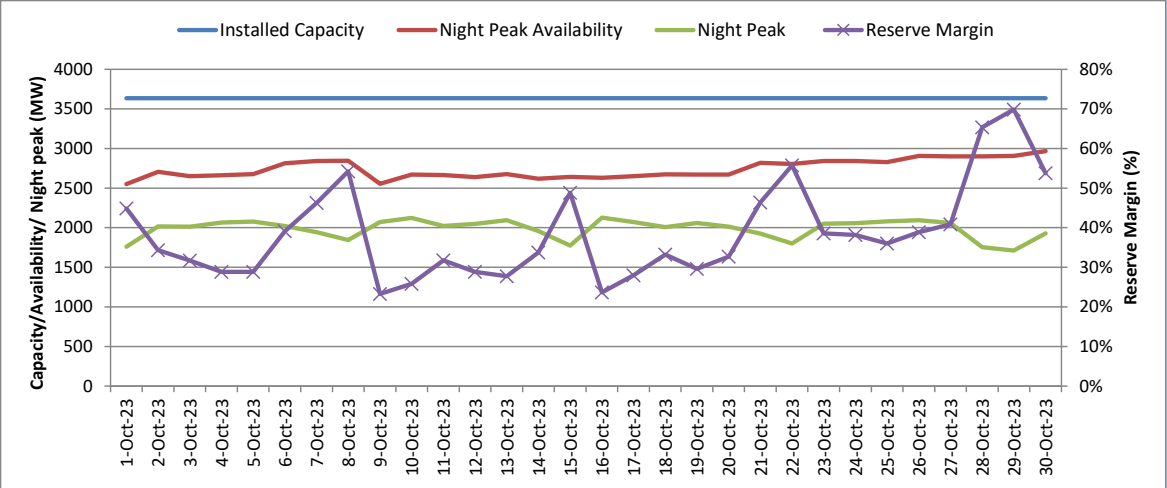


3.2 Load Curve of the Day with Highest Night Peak ,

16-Oct



3.3 Variation of Reserve Margin During Night Peak



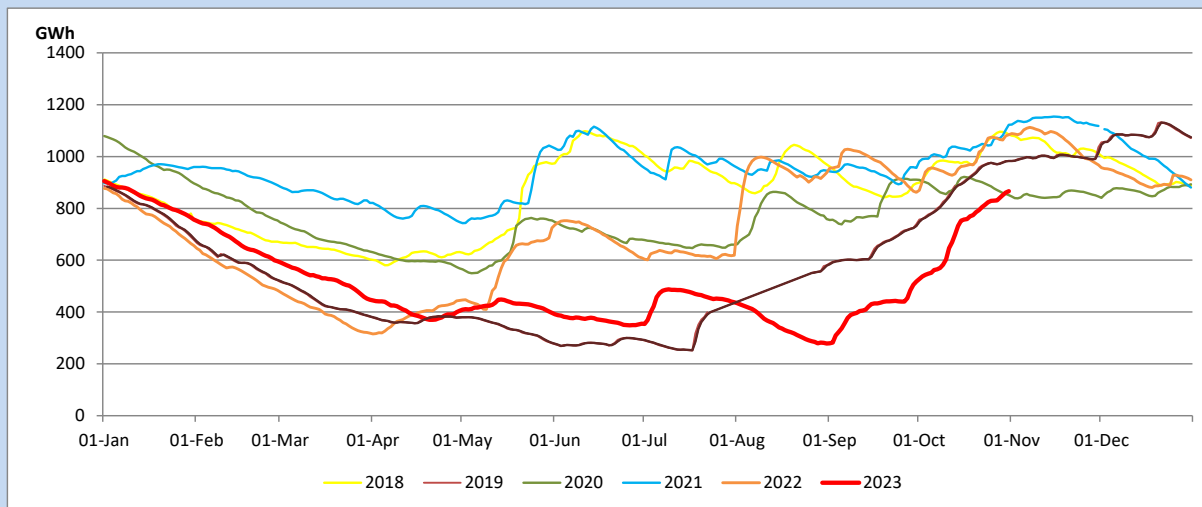
Note:Contribution from NCRE plants is not included

4 Reservoir Statistics

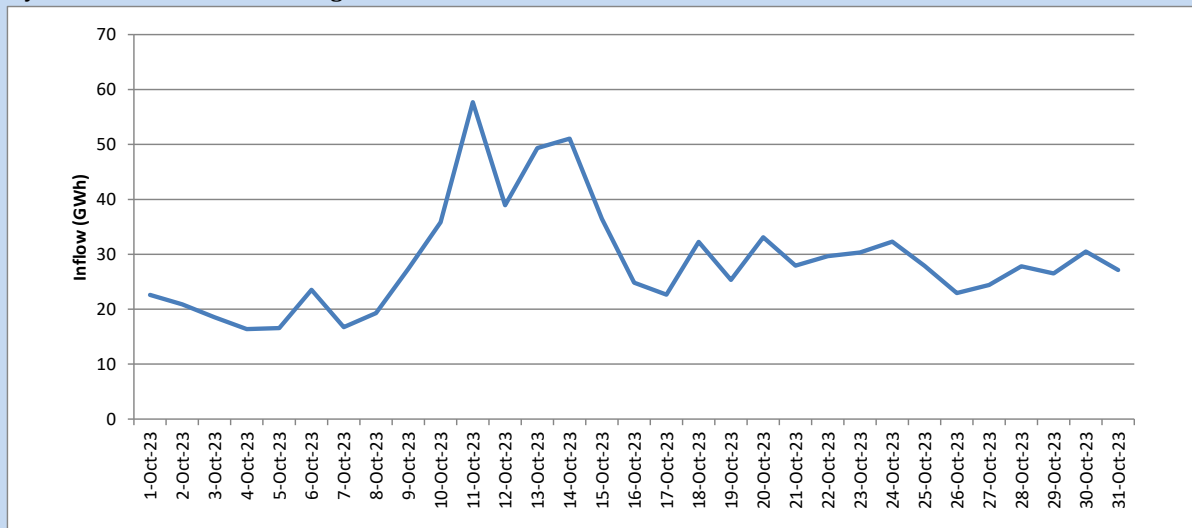
Table 05

Total Reservoir level at the beginning of the month	517.7 GWh
Total Reservoir level at the end of the month	866.2 GWh
Total Inflow	896.9 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

