

Monthly Generation Report

June-23



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

June-23

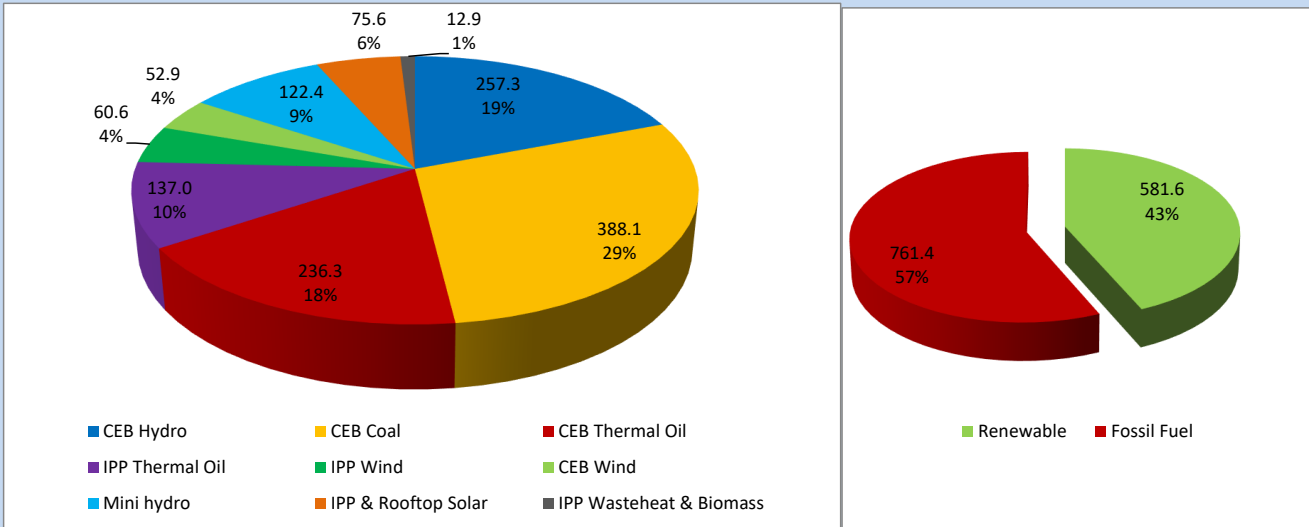


Table 01

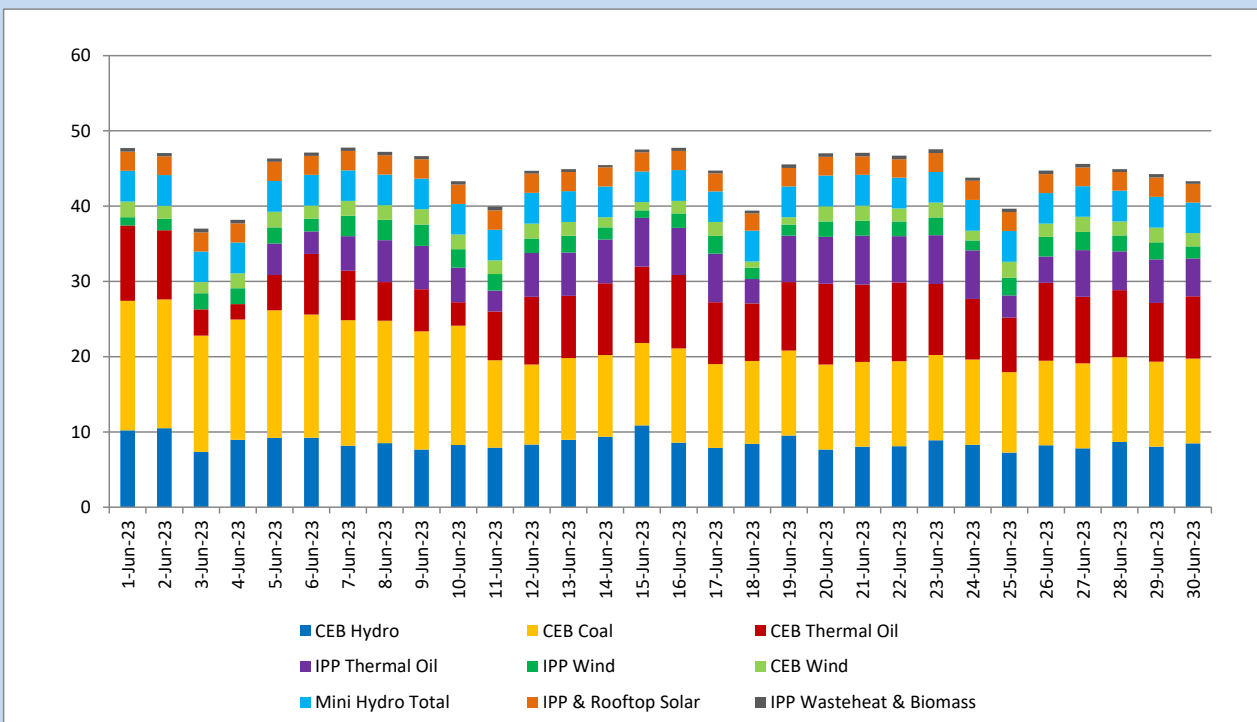
CEB Hydro	257	GWh
CEB Coal	388	GWh
CEB Thermal Oil	236	GWh
IPP Thermal Oil	137	GWh
IPP Wind	61	GWh
CEB Wind	53	GWh
Mini Hydro (Including non telemetered)	122	GWh
IPP Solar (Including estimated figures)	76	GWh
IPP Wasteheat + Biomass	13	GWh
Total Generation (Including estimated figures)	1,343	GWh

Total Generation = 1,343 GWh

Total Estimated Unserved Energy duty power cut = 0 GWh

· Estimated total generation from 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

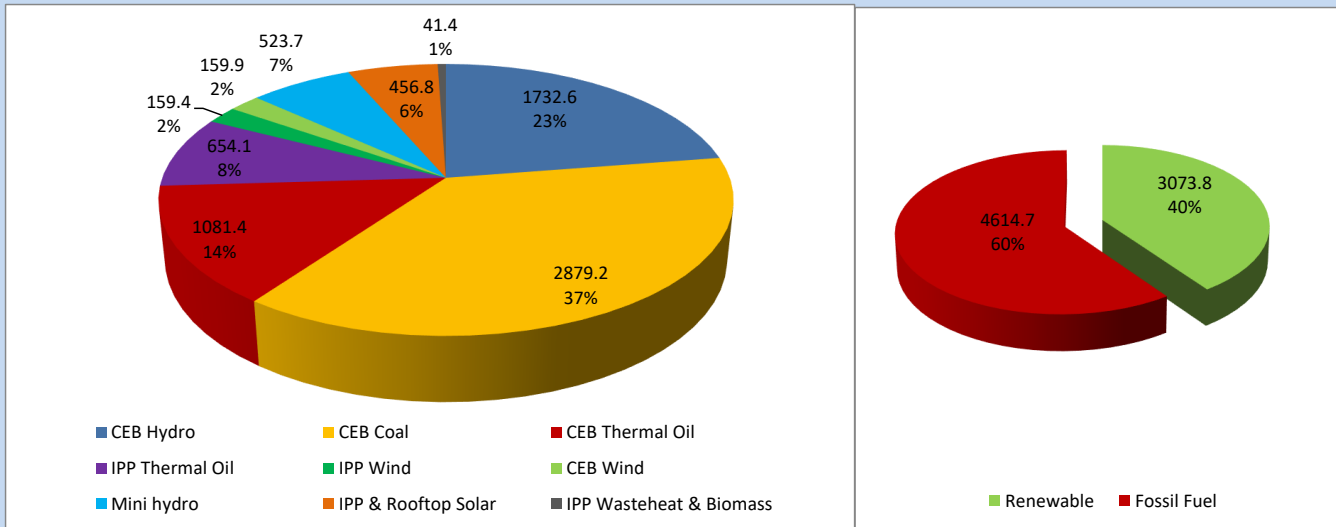
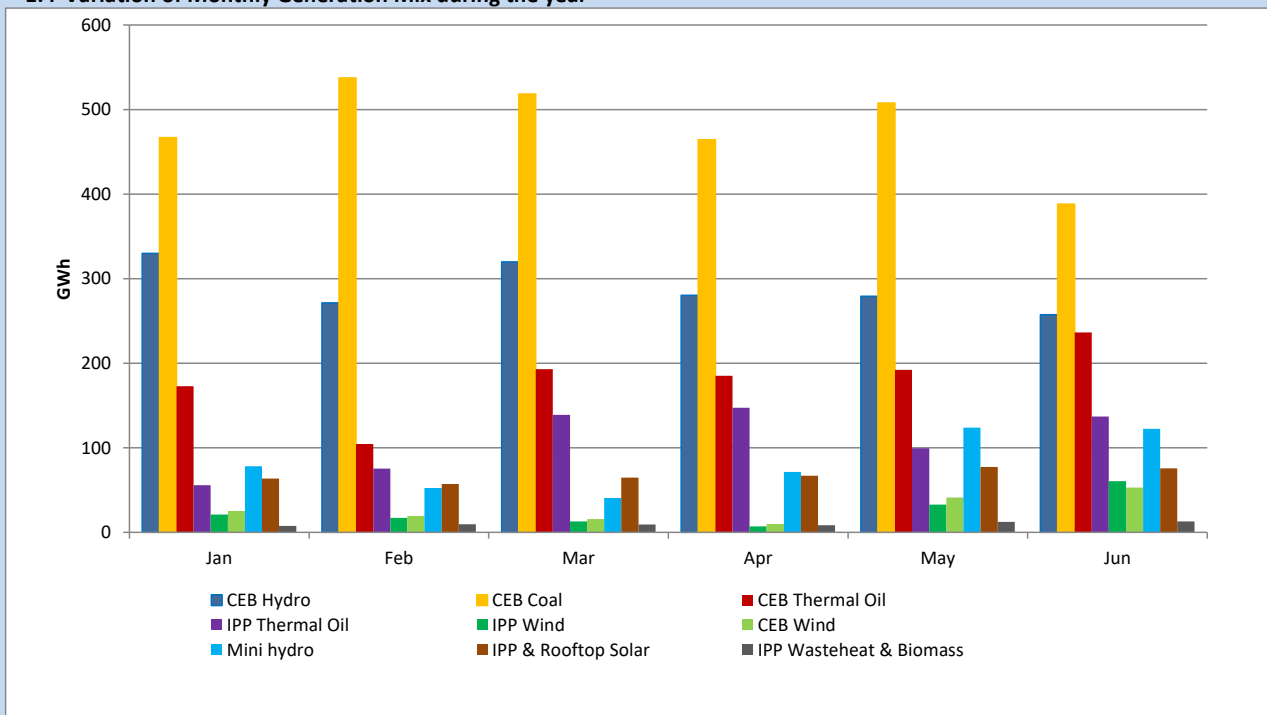


Table 02

CEB Hydro	1732.59 GWh
CEB Coal	2879.18 GWh
CEB Thermal Oil	1081.44 GWh
IPP Thermal Oil	654.08 GWh
IPP Wind	159.43 GWh
CEB Wind	159.95 GWh
Mini Hydro (Including non telemetered)	523.68 GWh
IPP Solar (Including estimated figures)	456.76 GWh
IPP Wasteheat + Biomass	41.39 GWh
Total Generation (Including estimated figures)	7688.50 GWh

Total Generation = 7,689 GWh

1.4 Variation of Monthly Generation Mix during the year



2 Major Plant Dispatch

2.1 Dispatch from all Generation Major Plants in

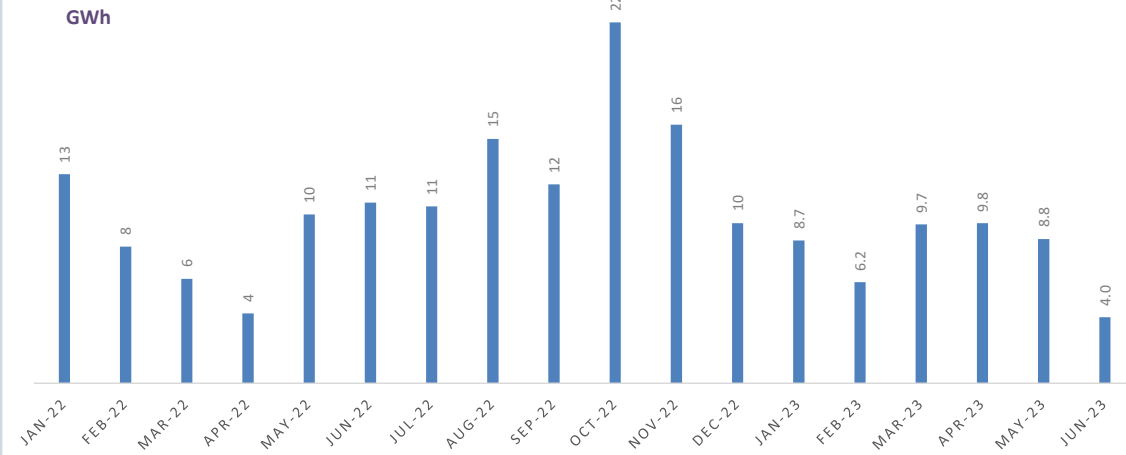
June-23

Table 03

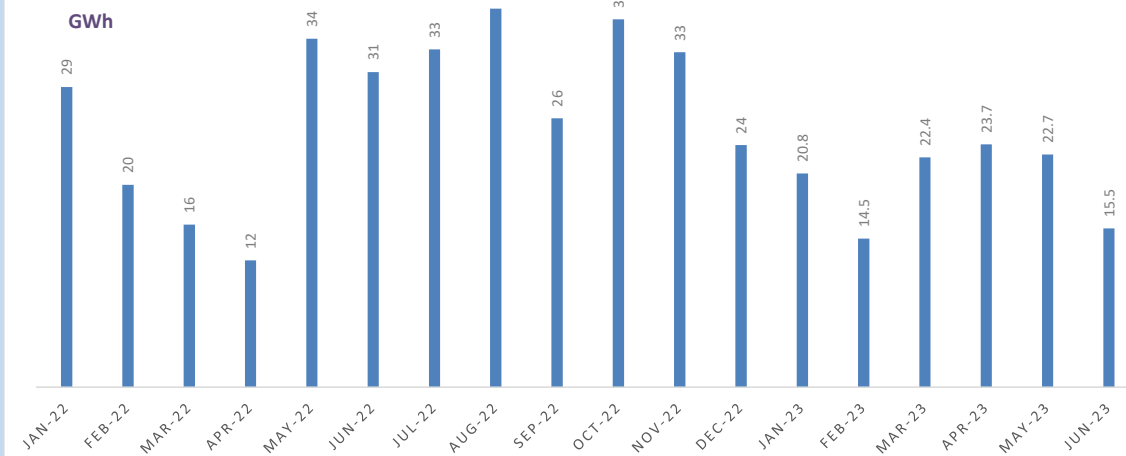
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	4,034	11.2%
Old Laxapana	54	15,487	39.8%
Canyon	60	6,611	15.3%
New Laxapana	100	28,464	39.5%
Polpitiya	90	25,075	38.7%
Broadlands	35	7,896	31.3%
Kotmale	201	14,560	10.1%
Victoria	225	14,125	8.7%
Randenigala	114	31,241	38.1%
Rantambe	50	13,771	38.3%
Ukuwela	37	15,729	59.0%
Bowatenna	40	1,038	3.6%
Upper Kotmale	150	13,704	12.7%
Nilambe	3	154	7.1%
Samanalawewa	120	17,703	20.5%
Kukule	75	44,199	81.9%
Inginiyagala	11	2,972	37.5%
Udawalawe	6	503	11.6%
Puttalam Coal I	270	74,423	38.3%
Puttalam Coal II	270	188,559	97.0%
Puttalam Coal III	270	125,080	64.3%
KPS Small GTs	64	6	0.0%
KPS GT 7	115	8,307	10.0%
KCCP	161	84,723	73.1%
Sapugaskanda A	70	20,259	40.2%
Sapugaskanda B	70	39,404	78.2%
Uthura Janani	26	9,735	52.0%
Barge CEB	60	28,825	66.7%
CEB - Hambantota	30	4,461	20.7%
CEB - Mathugama	20	2,280	15.8%
KCCPS -2	163	38,269	32.6%
West Coast	270	137,002	70.5%
ACE Embilipitiya	93	0	0.0%

2.3 Generation of Major Power Plants From Last Year

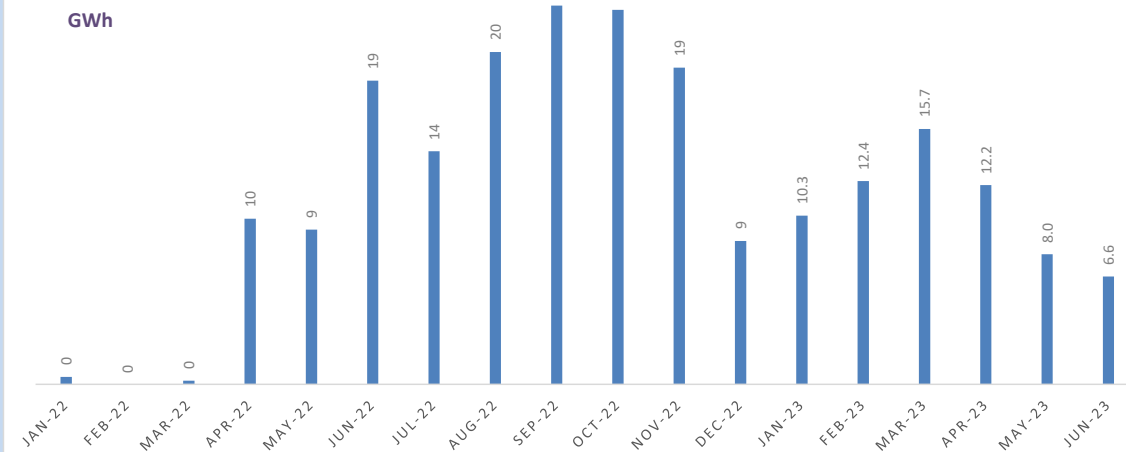
WIMALASURENDRA POWER STATION (53.5MW)



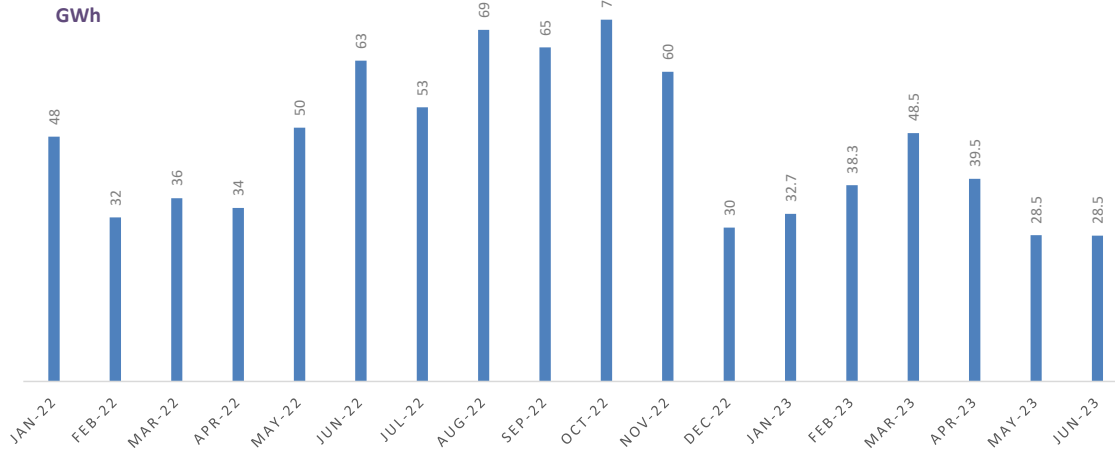
OLD LAXAPANA POWER STATION (53.5MW)



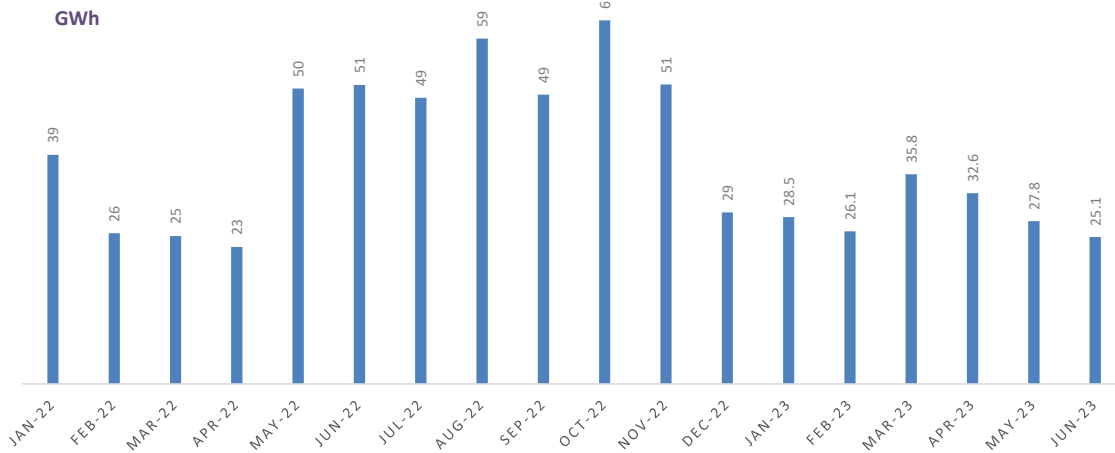
CANYON POWER STATION (60 MW)



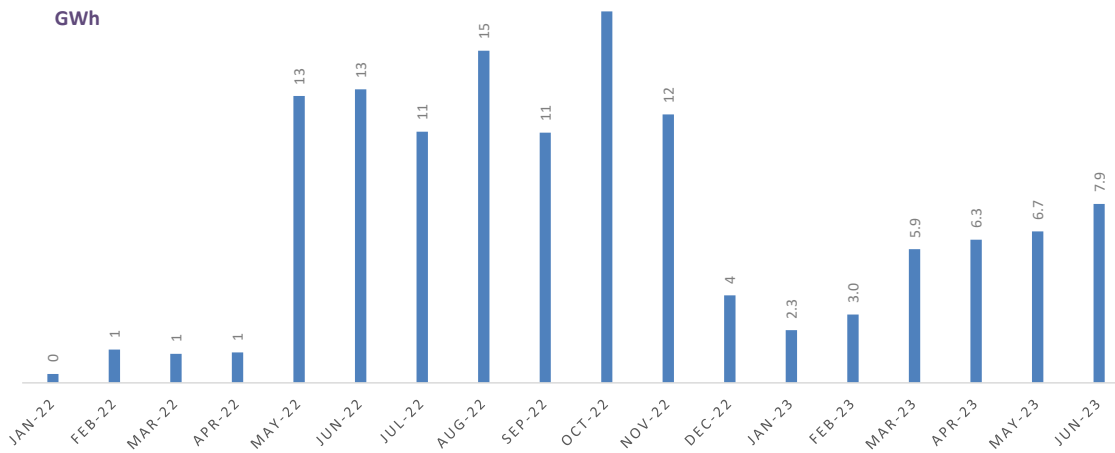
NEW LAXAPANA POWER STATION (115 MW)



POLPITIYA POWER STATION (90 MW)

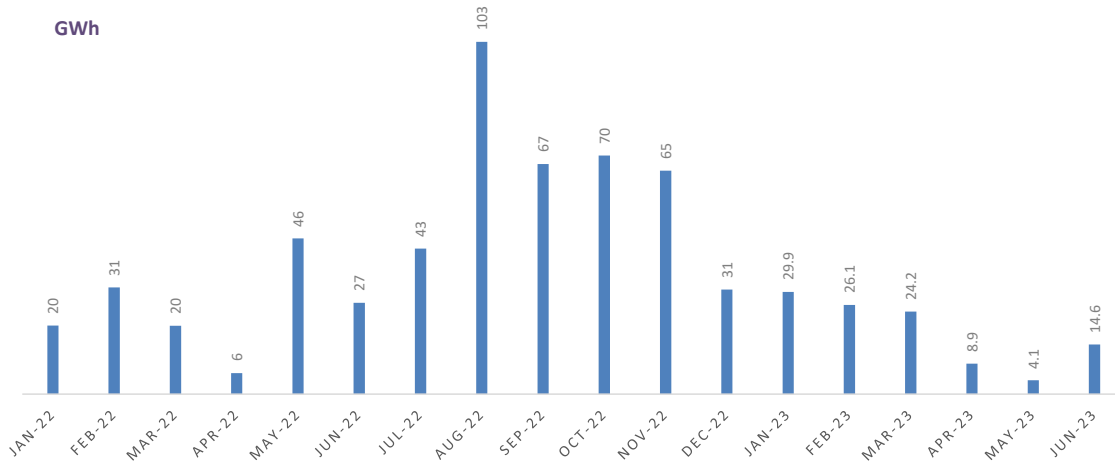


BROADLANDS POWER STATION (35 MW)



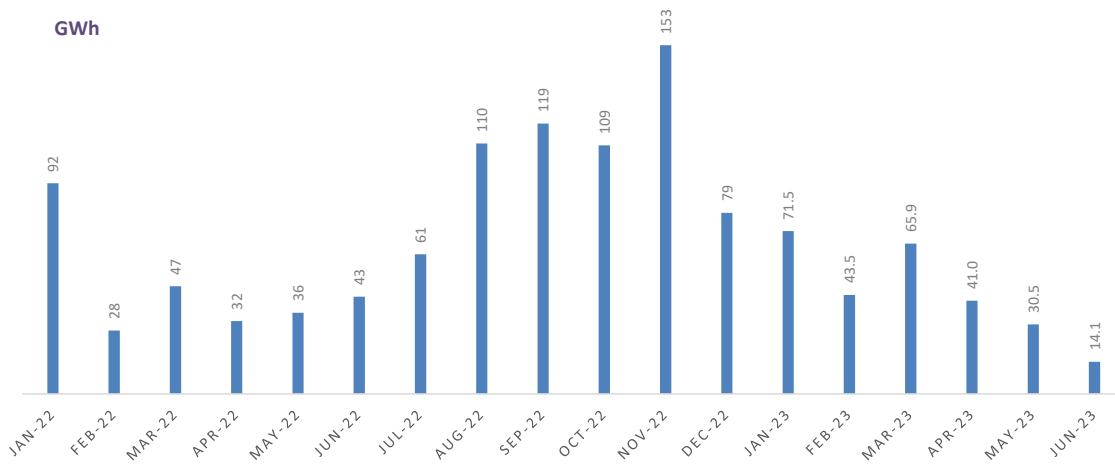
KOTMALE POWER STATION (201 MW)

GWh



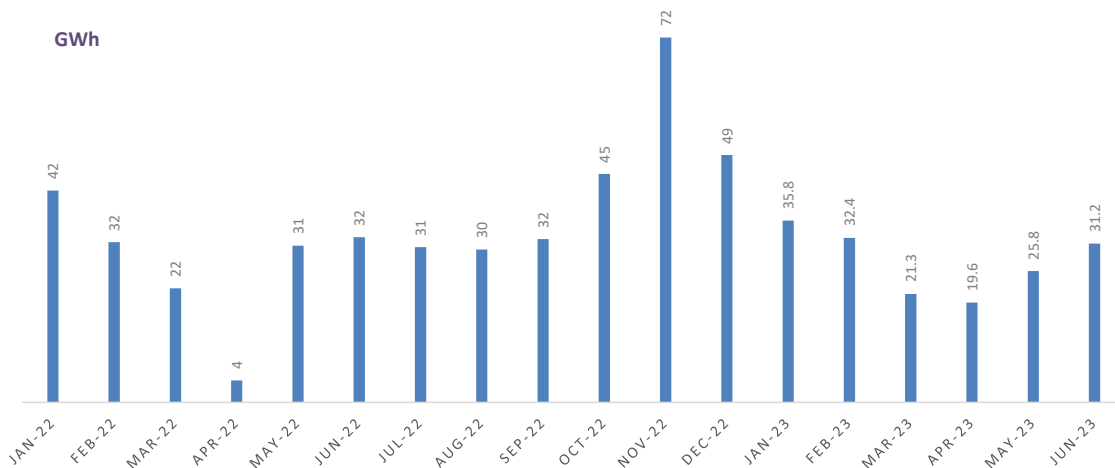
VICTORIA POWER STATION (225 MW)

GWh

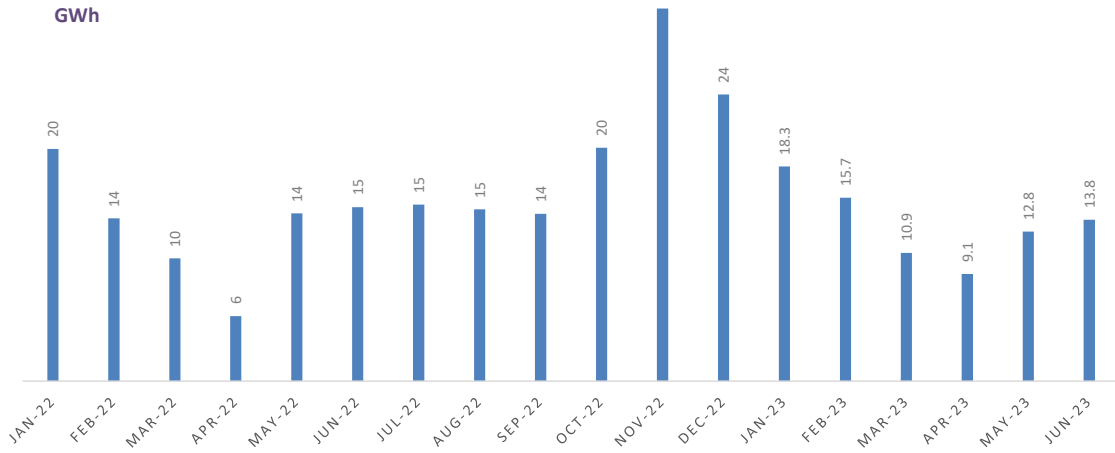


RANDENIGALA POWER STATION (114 MW)

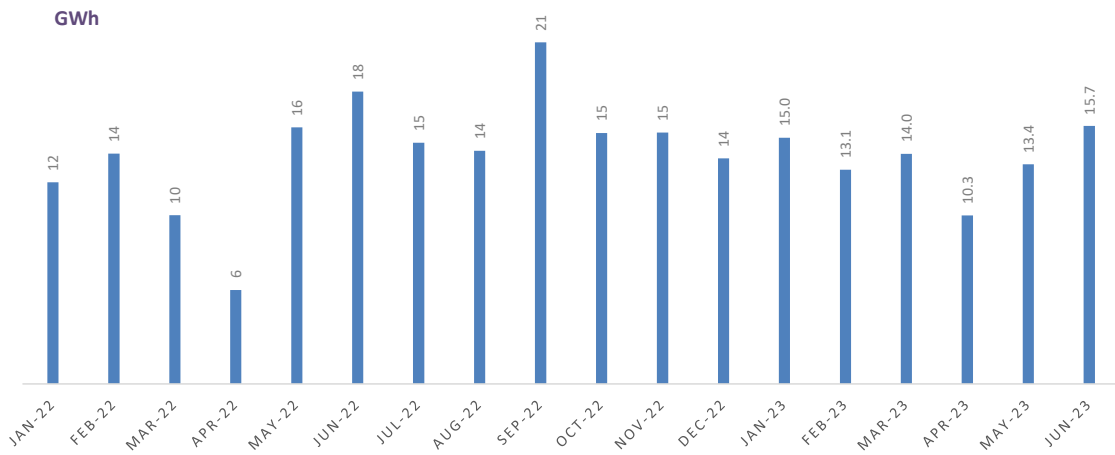
GWh



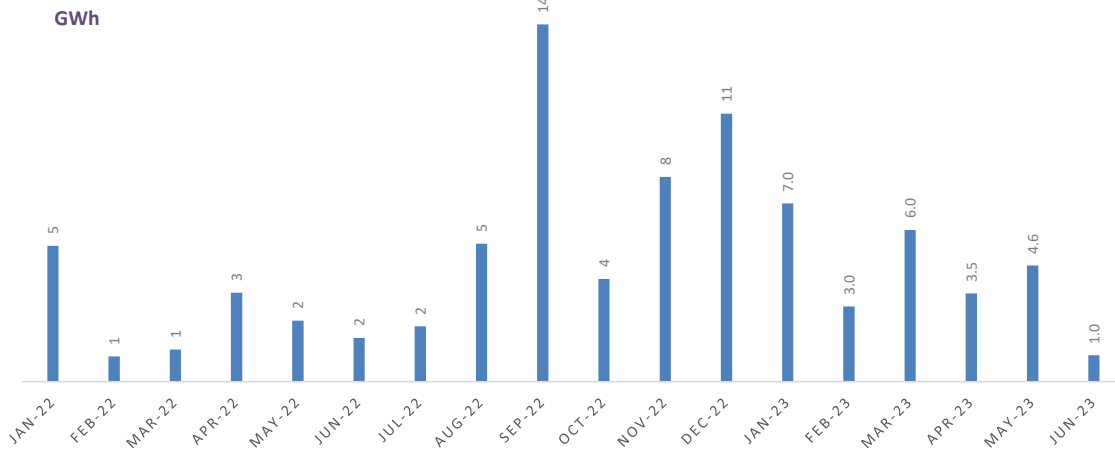
RANTAMBE POWER STATION (50 MW)



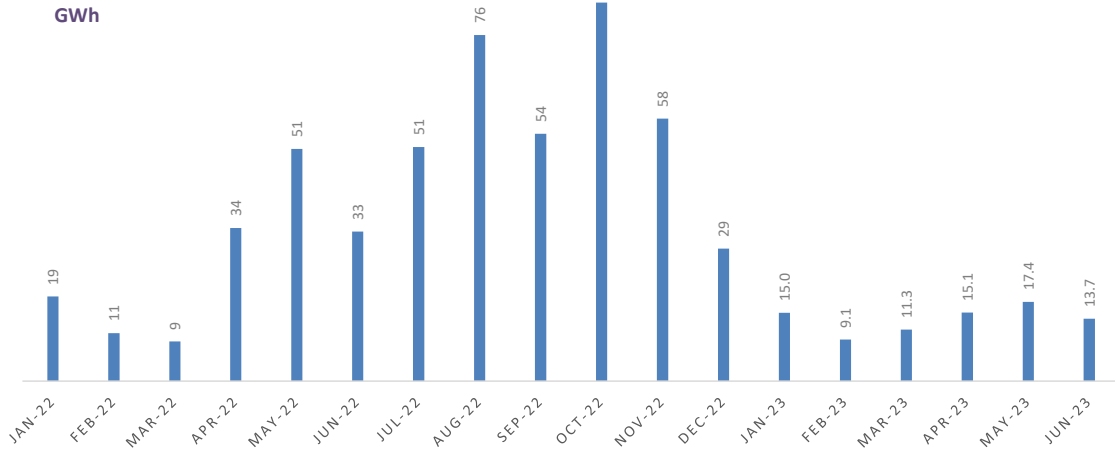
UKUWELA POWER STATION (37 MW)



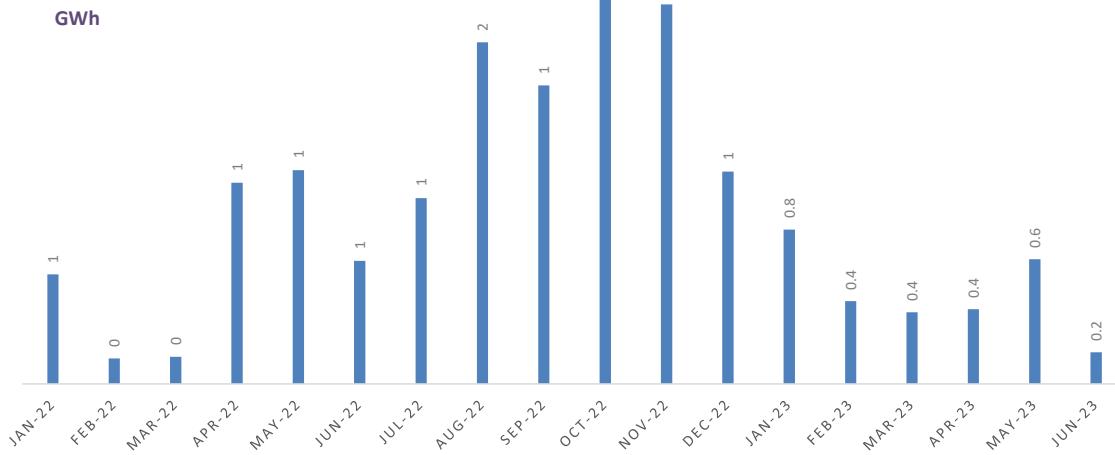
BOWATHENNA POWER STATION (40 MW)



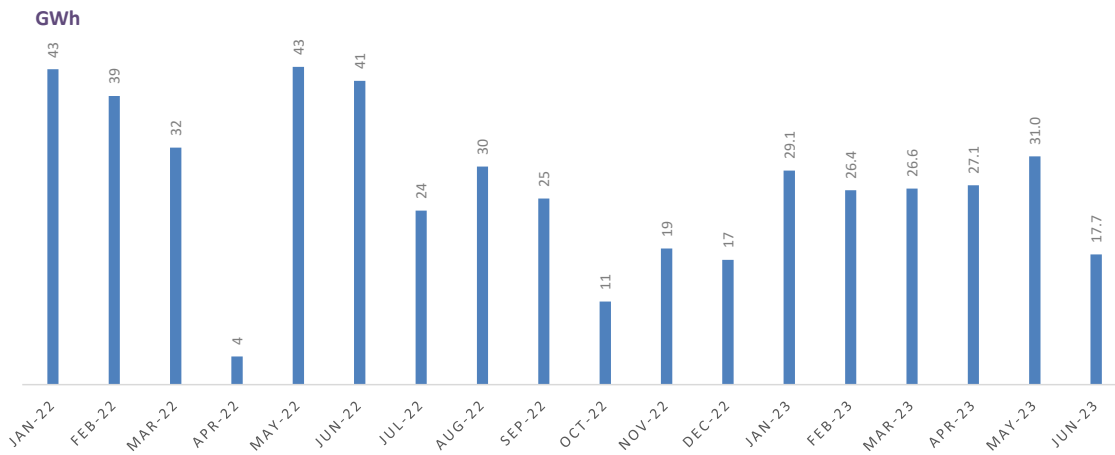
UPPER KOTMALE POWER STATION (150 MW)



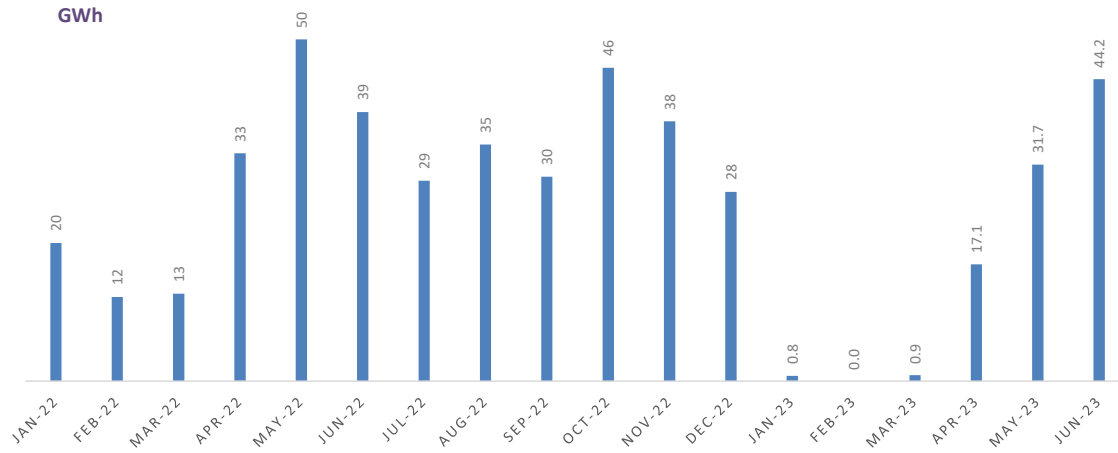
NILLAMBE POWER STATION (3 MW)



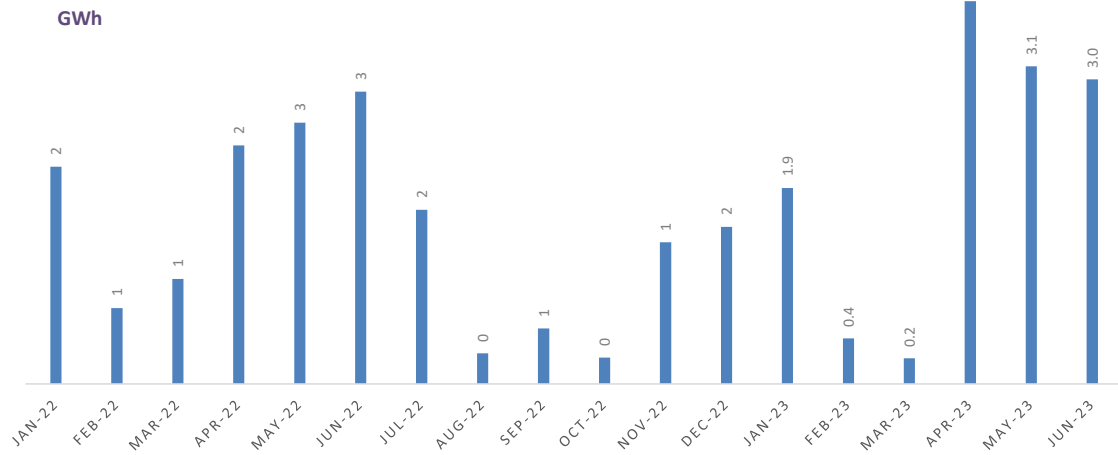
SAMANALAWEWA POWER STATION (120 MW)



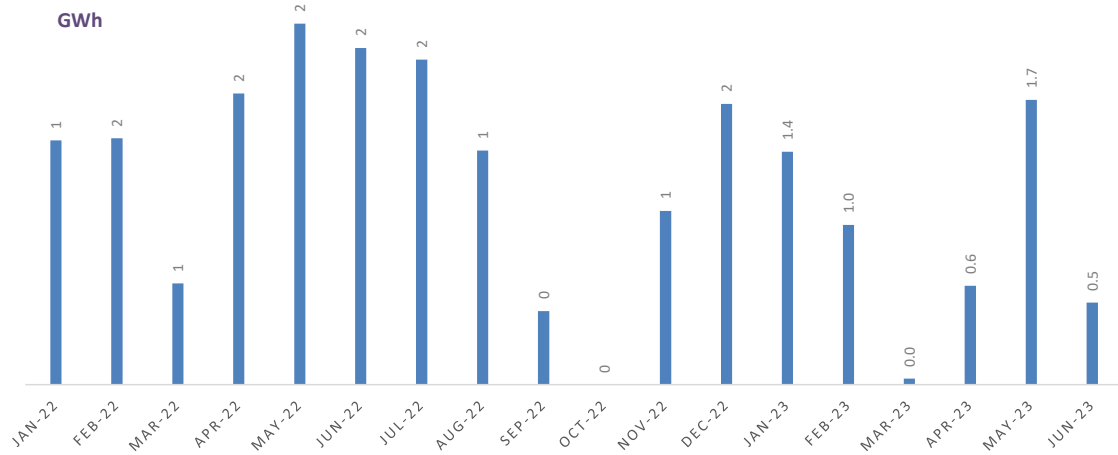
KUKULE POWER STATION (75 MW)



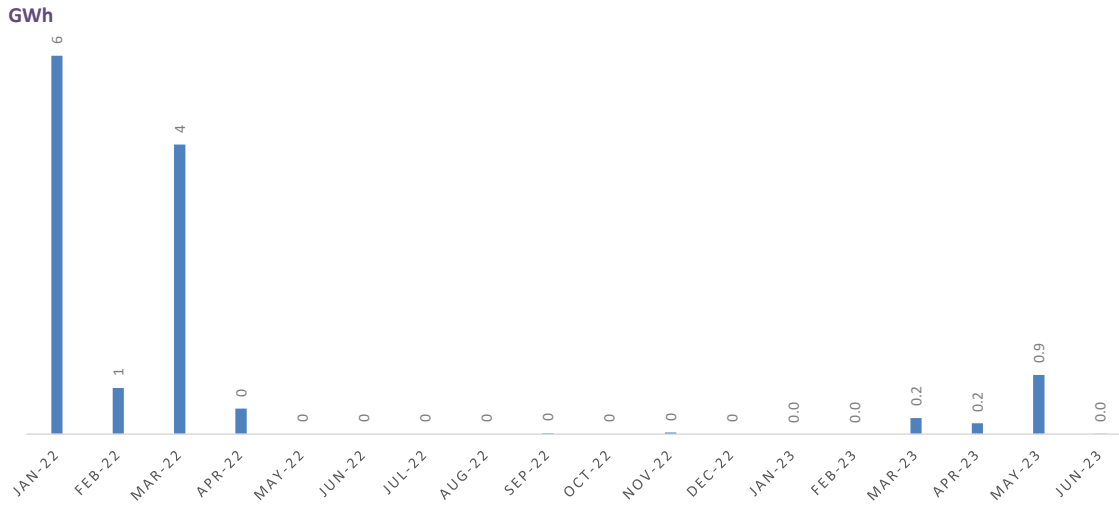
INGINIYAGALA POWER STATION (11 MW)



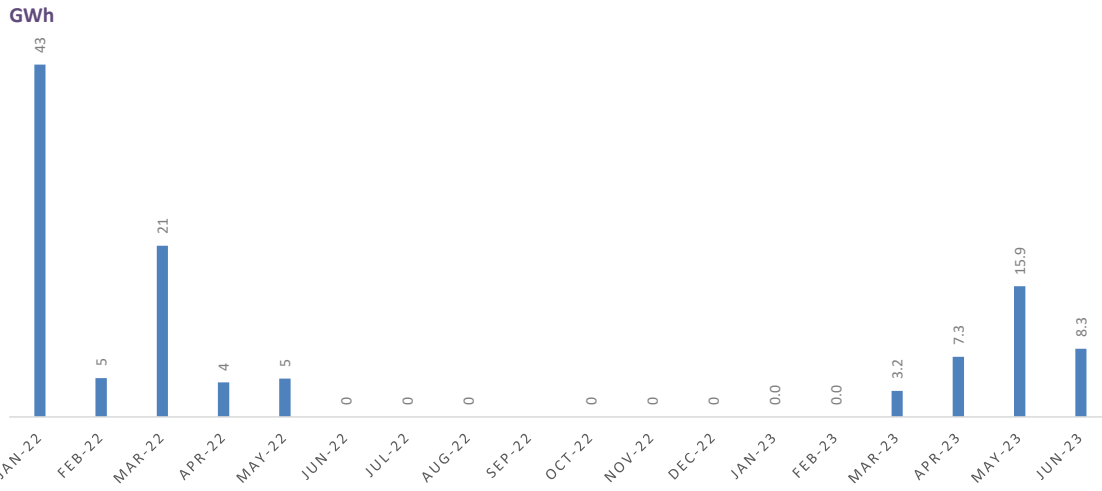
UDAWALAWE POWER STATION (6 MW)



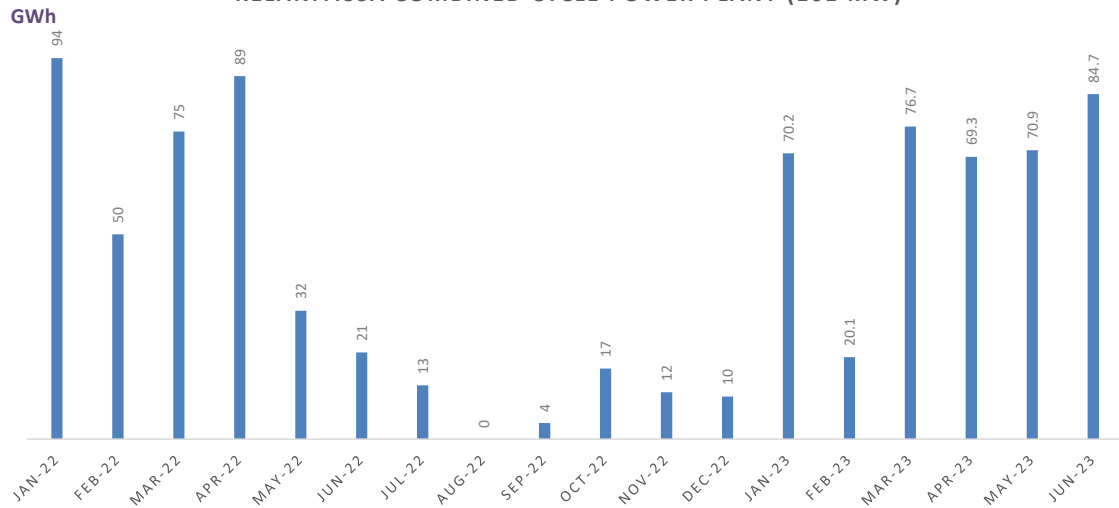
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



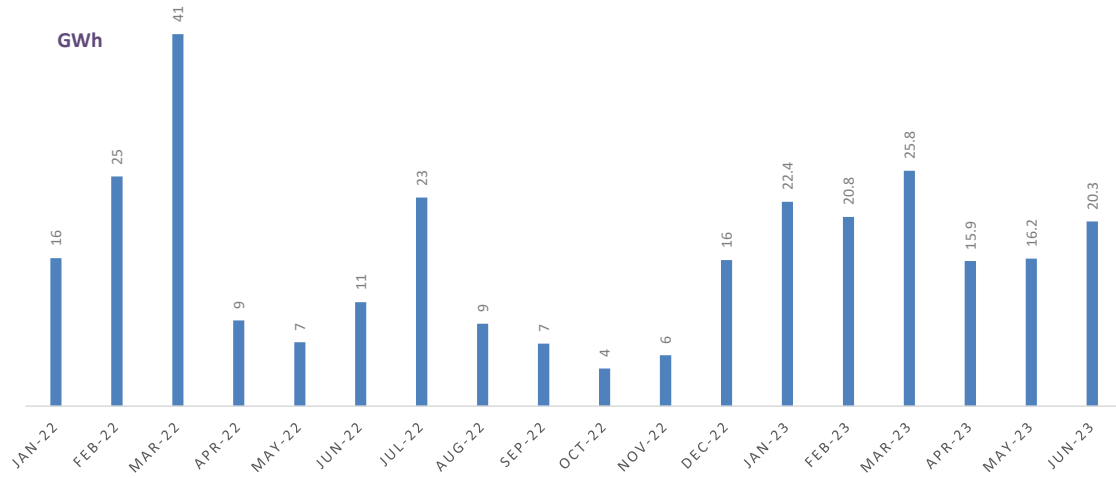
KELANITISSA GT 7 (115 MW)



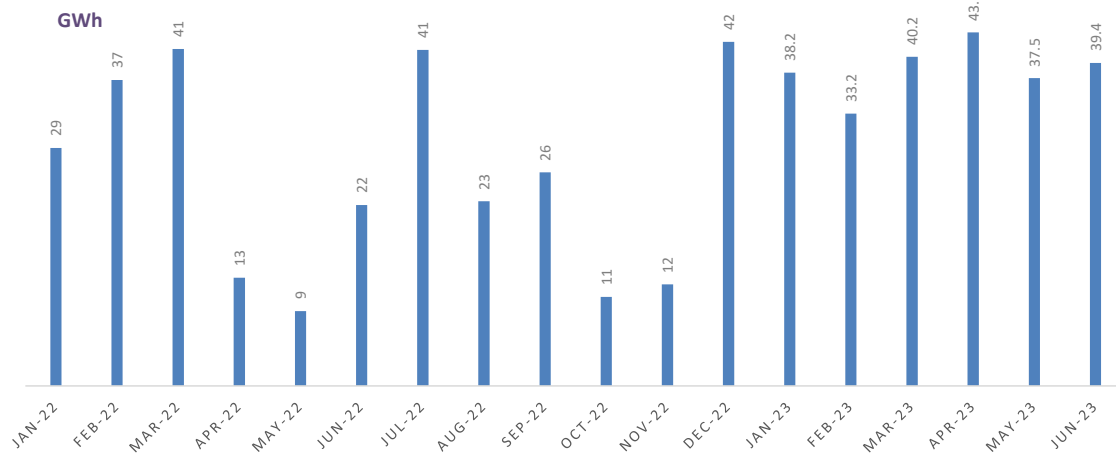
KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



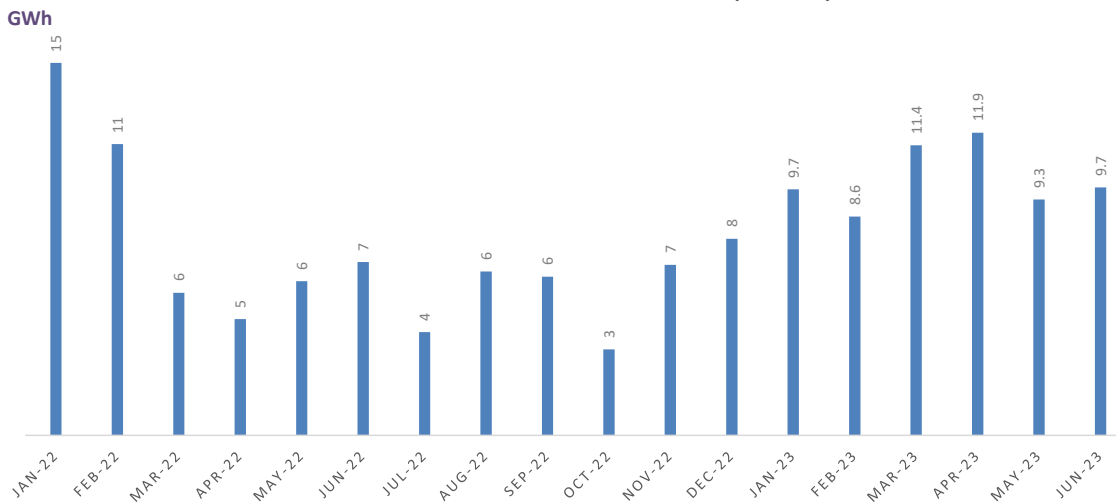
SAPUGASKANDA - A POWER STATION (80 MW)



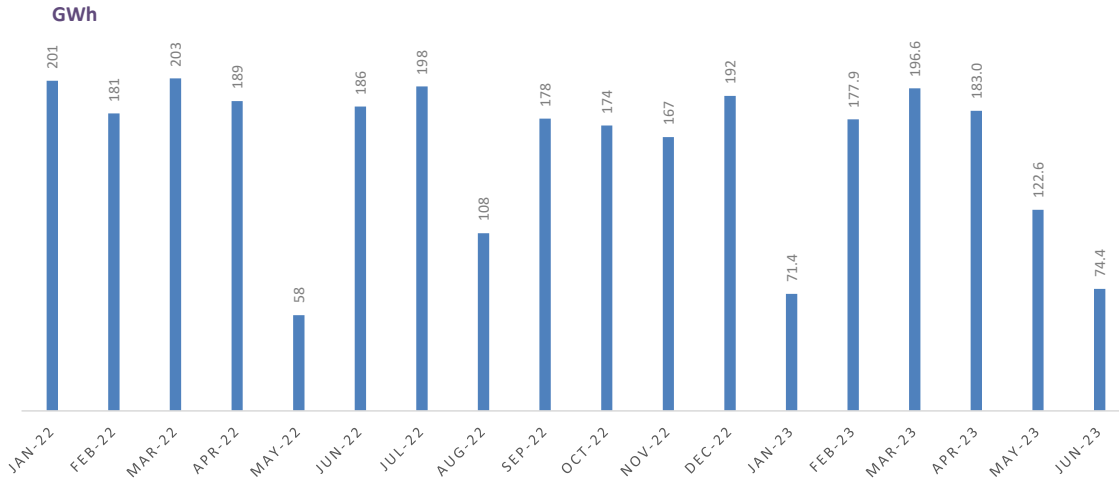
SAPUGASKANDA - B POWER STATION (80 MW)



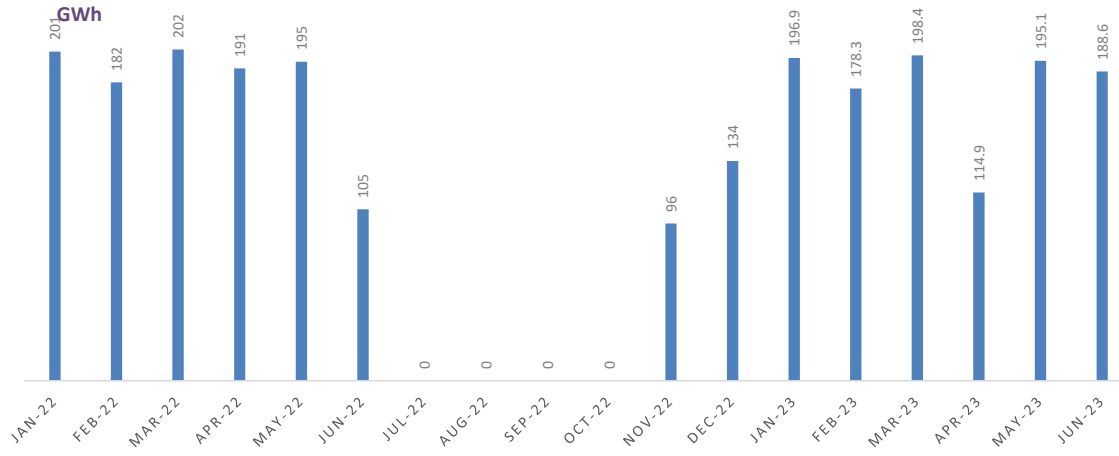
UTHURU JANANEE POWER STATION (26 MW)



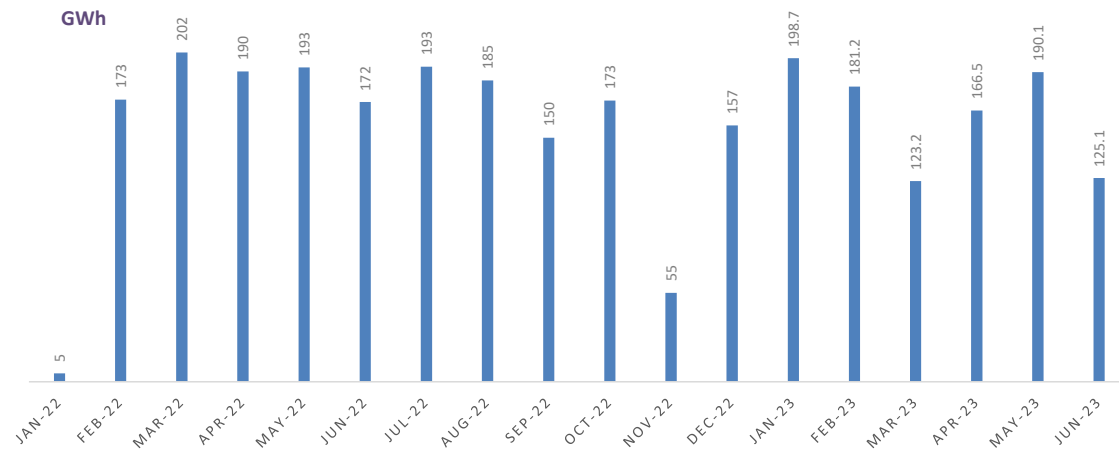
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



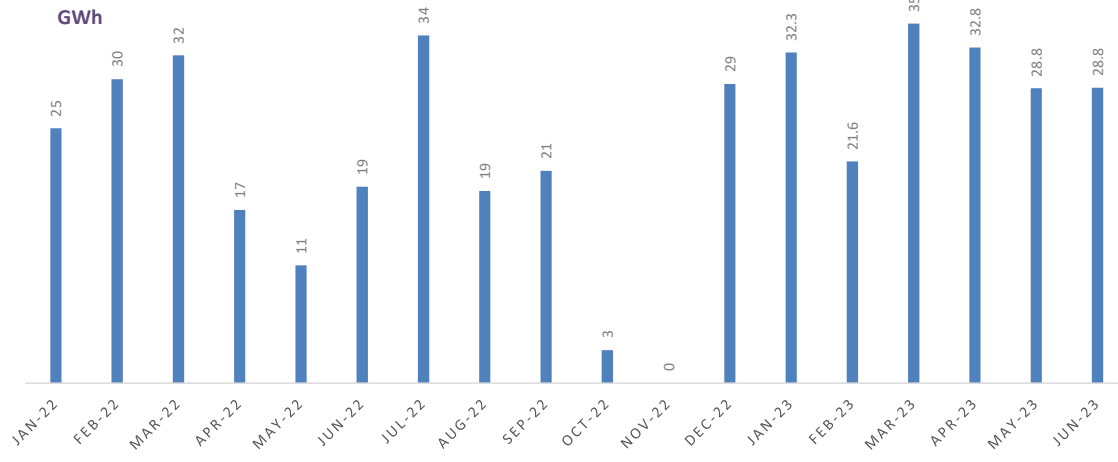
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



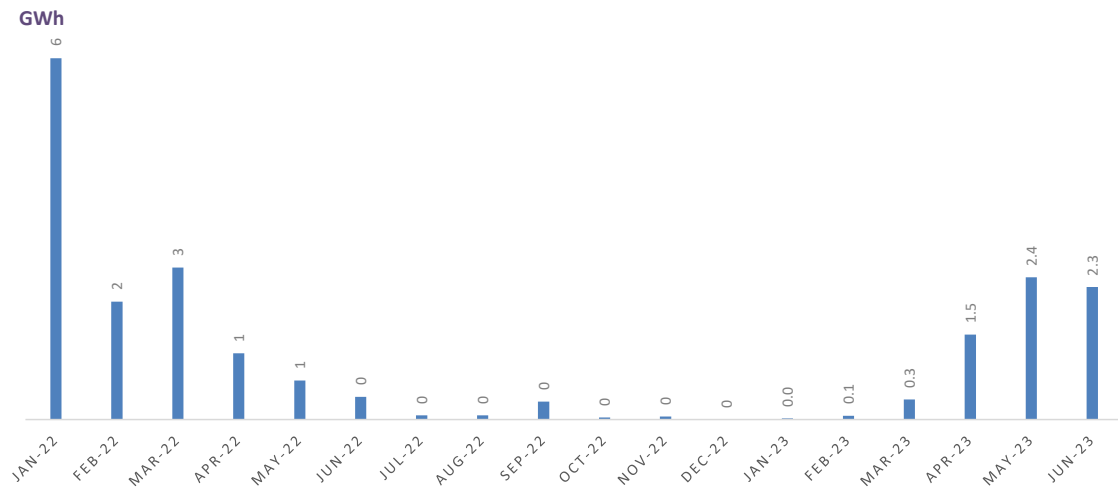
BARGE POWER STATION - CEB (60 MW)



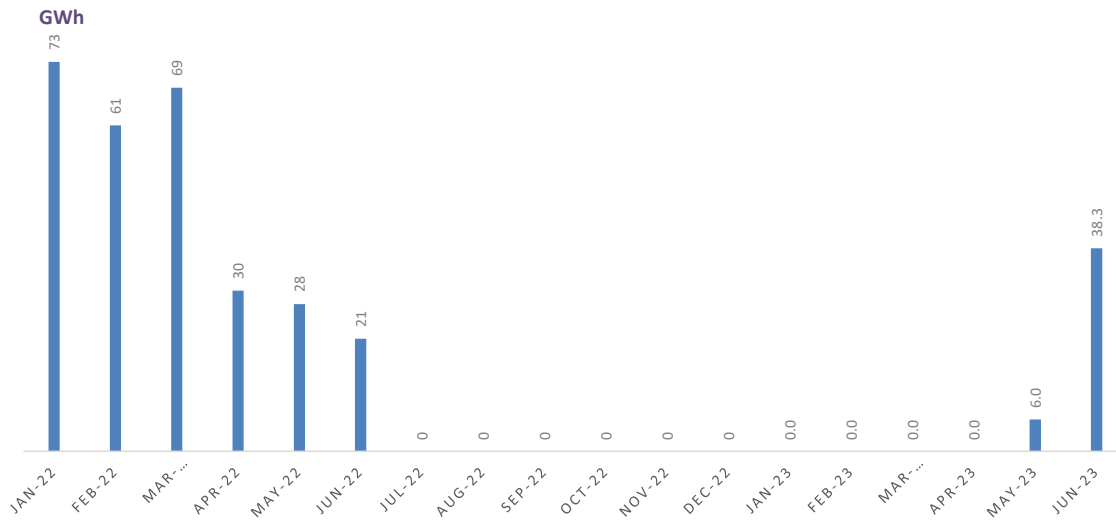
HAMBANTOTA - CEB (30 MW)



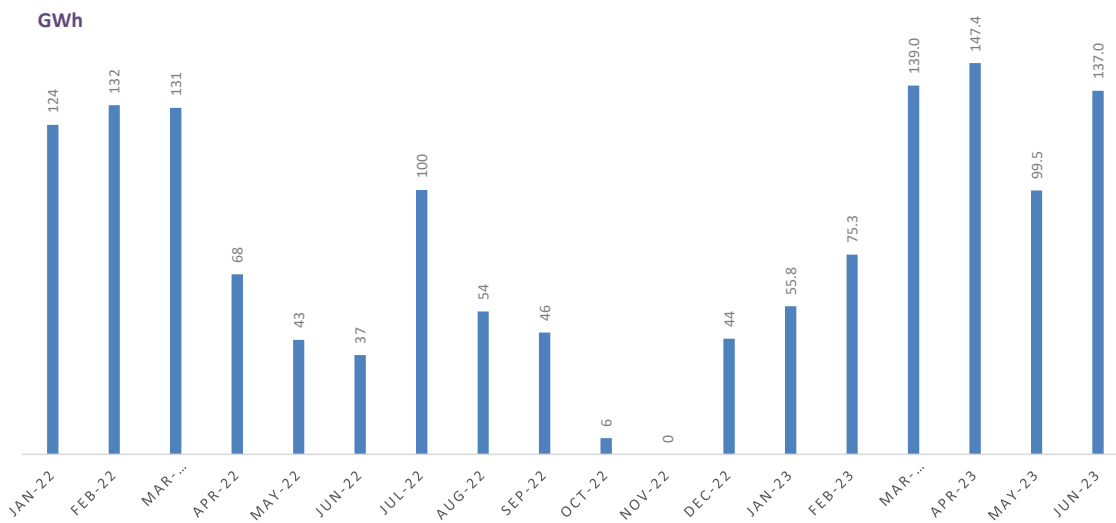
MATHUGAMA - CEB (20 MW)



KCCPS - 02 POWER STATION (163 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



3 Peak Demand

During the month;

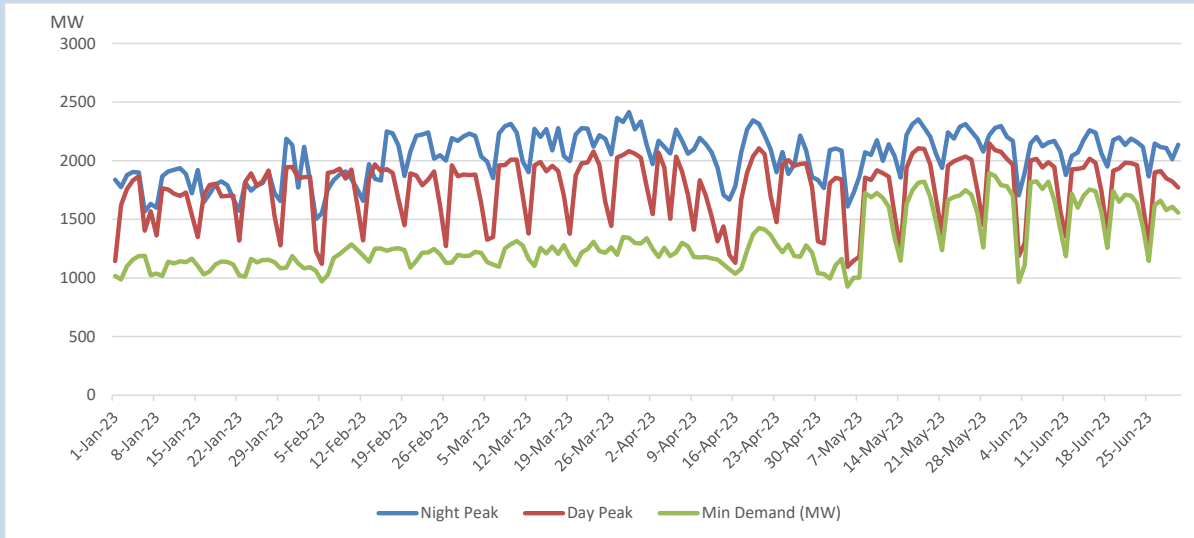
Table 04

Highest Peak Demand	2,259	MW
Lowest Peak Demand	1,705	MW
Highest Day Peak Demand	2,018	MW
Minimum Demand	965	MW

on 15-Jun
on 3-Jun
on 15-Jun
on 3-Jun

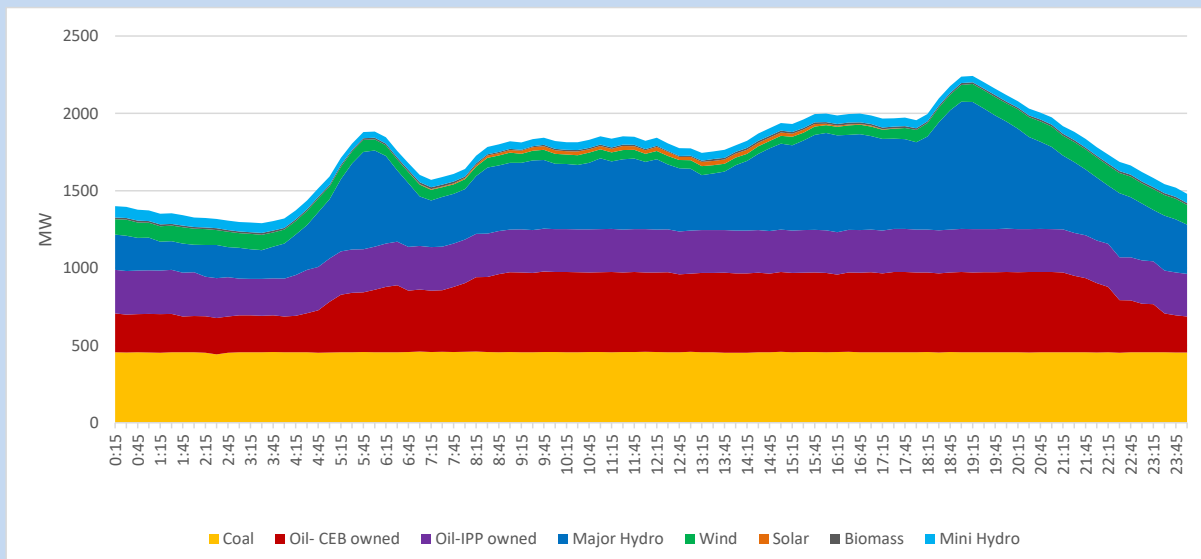
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

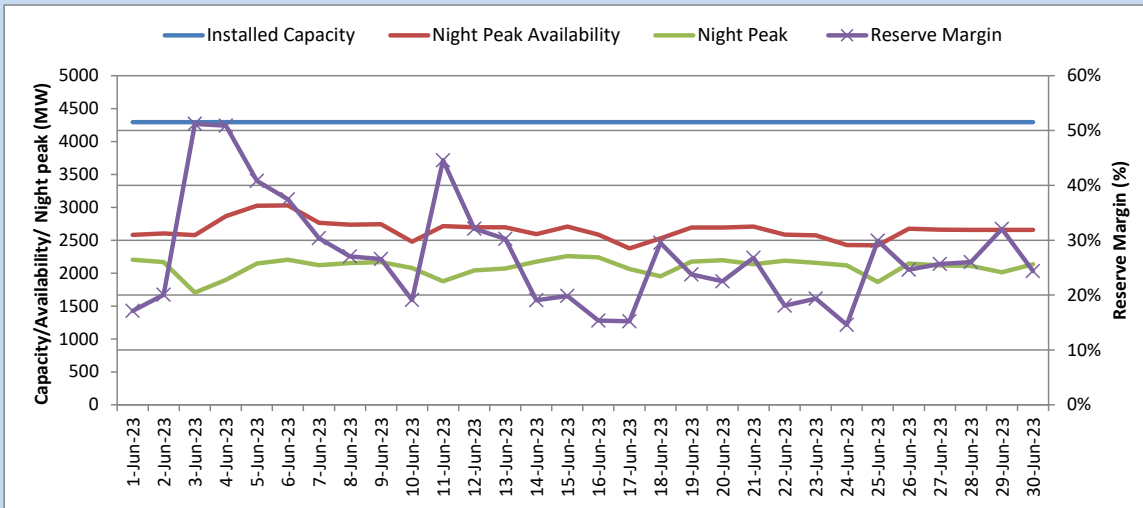


3.2 Load Curve of the Day with Highest Night Peak ,

15-Jun



3.3 Variation of Reserve Margin During Night Peak



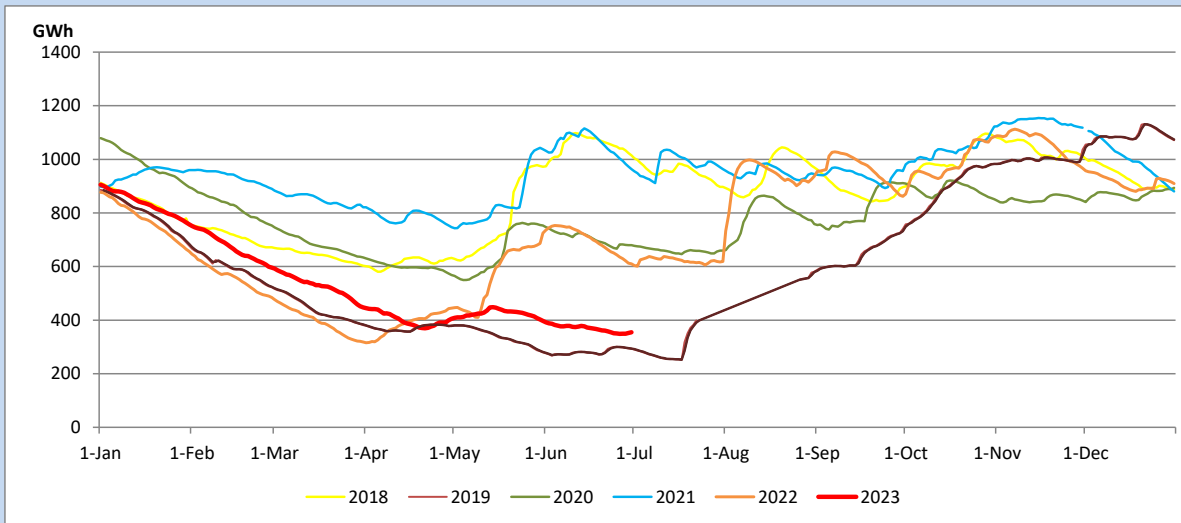
Note: Contribution from NCRE plants is not included

4 Reservoir Statistics

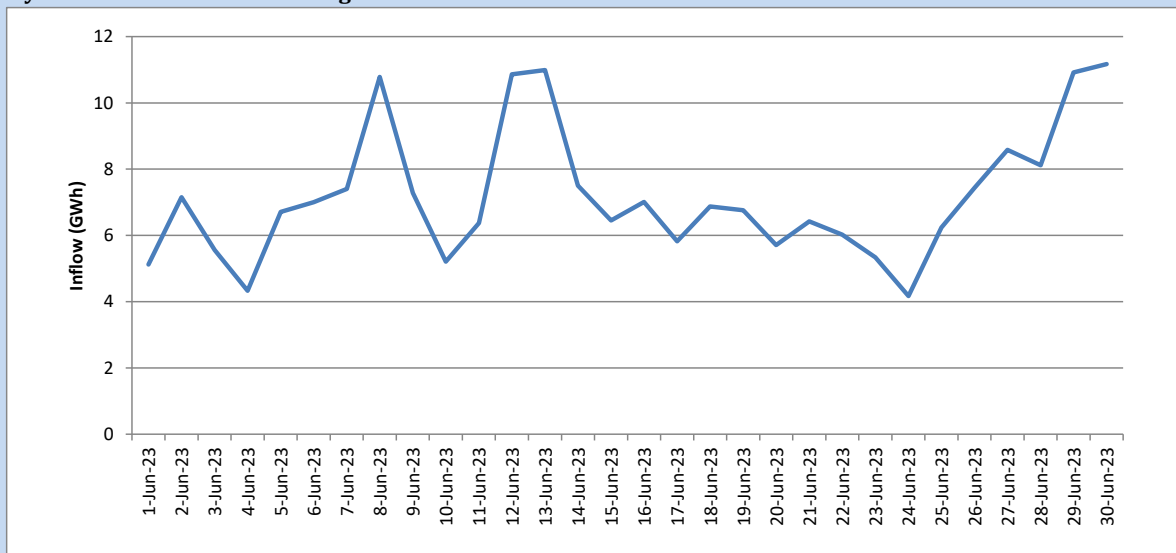
Table 05

Total Reservoir level at the beginning of the month	396.7 GWh
Total Reservoir level at the end of the month	354.6 GWh
Total Inflow	215.3 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

