

# Monthly Generation Report

## April-23

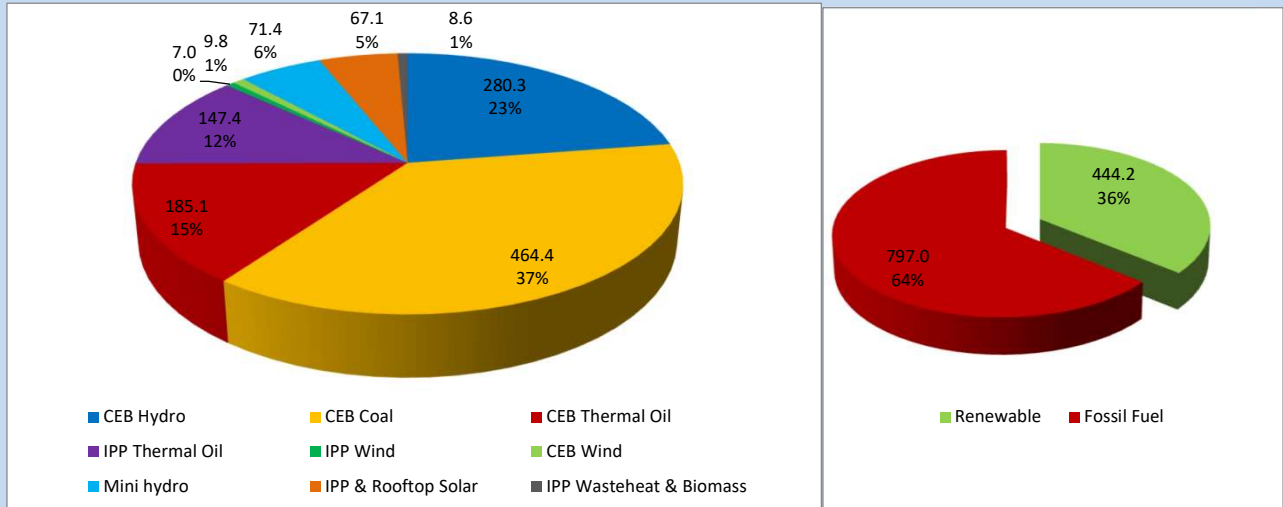


**PUBLIC UTILITIES COMMISSION OF SRI LANKA**

# 1 Generation Mix

## 1.1 Monthly Generation Mix in GWh

April-23

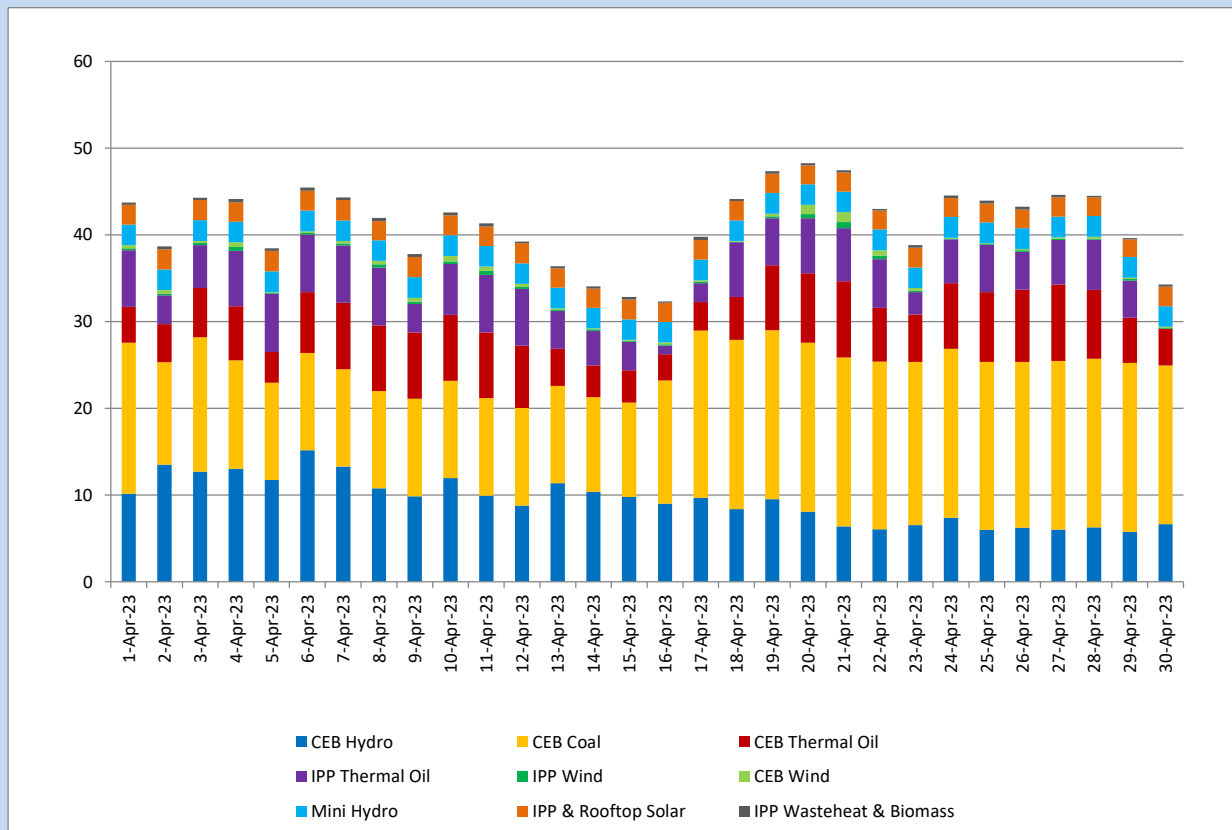


**Total Generation = 1,241 GWh**

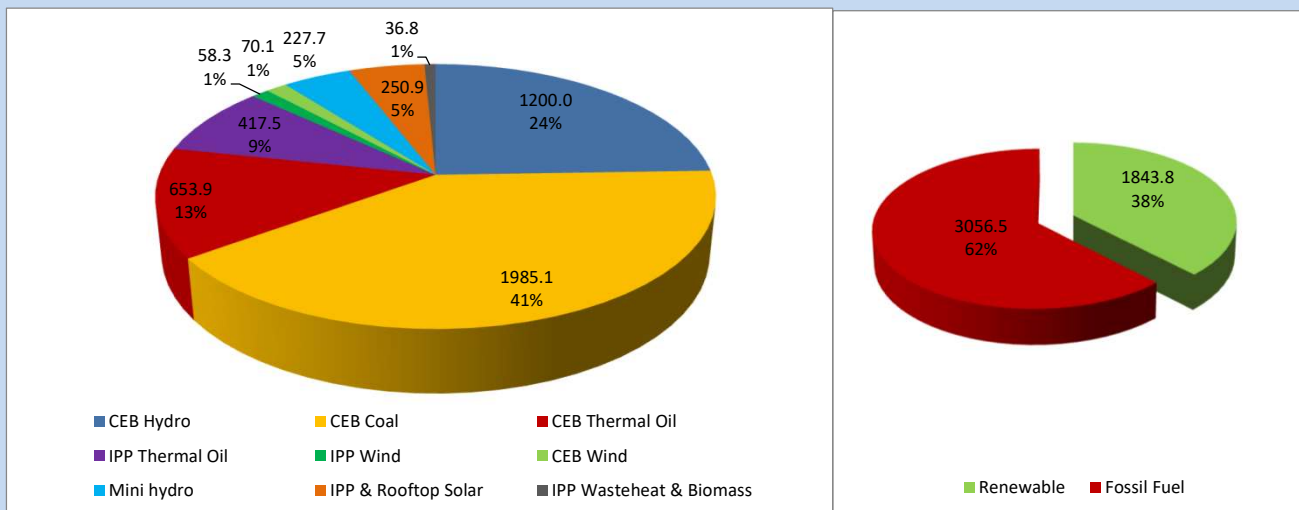
**Total Estimated Unserved Energy duty power cut = 0 GWh**

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

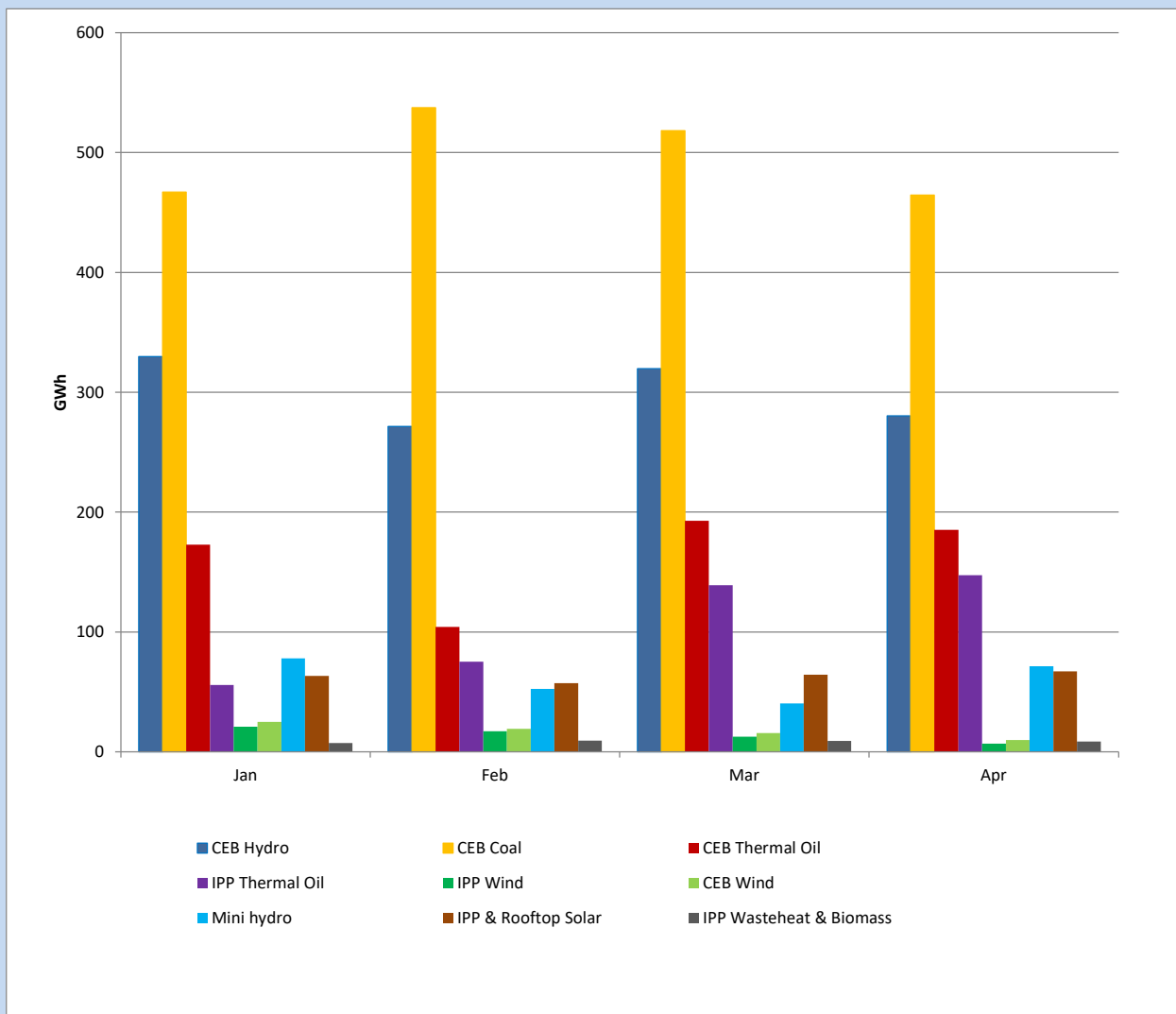


### 1.3 Annual Cumulative Generation



Total Generation = 4,900 GWh

### 1.4 Variation of Monthly Generation Mix during the year



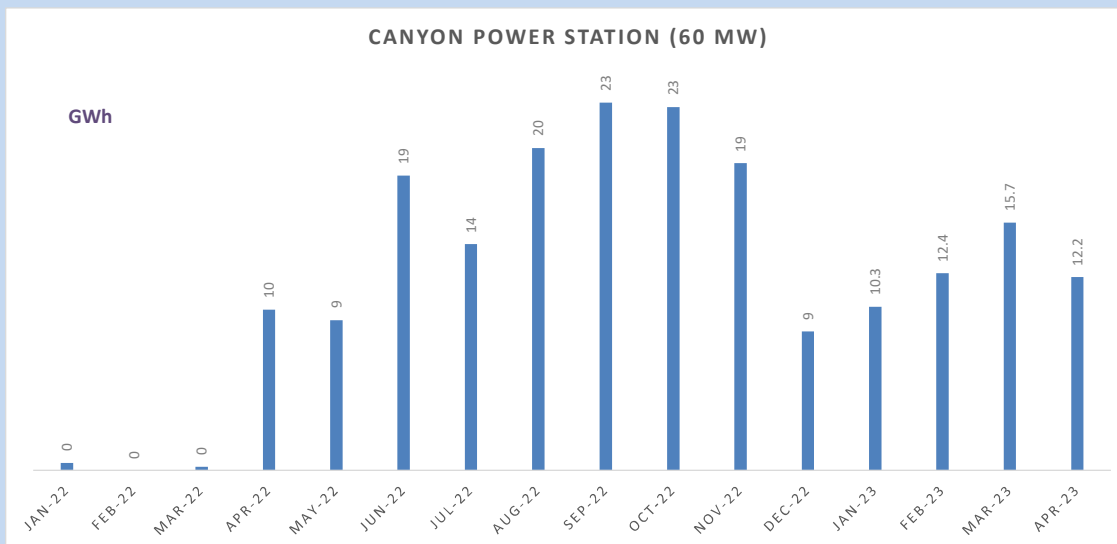
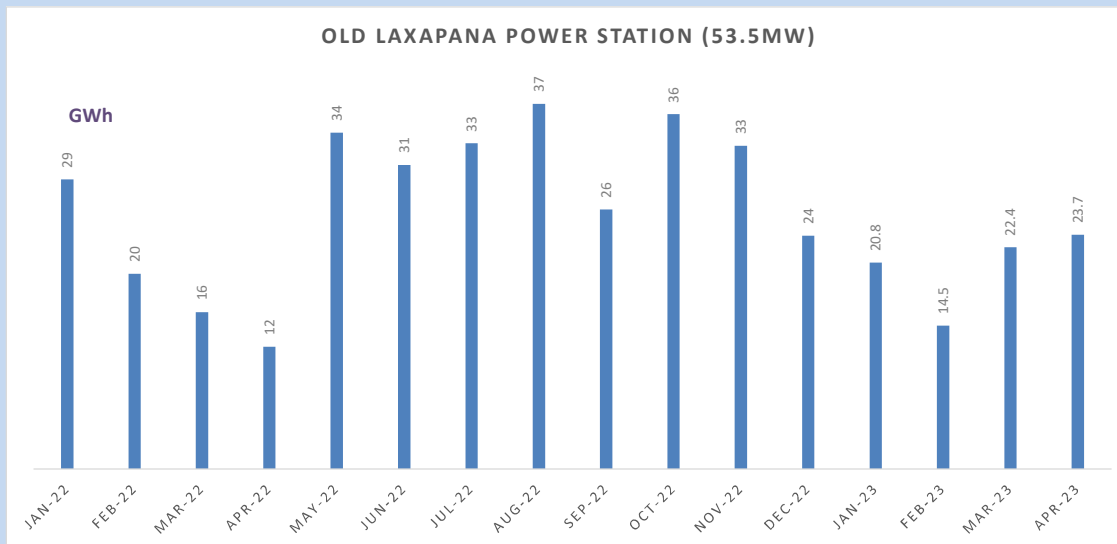
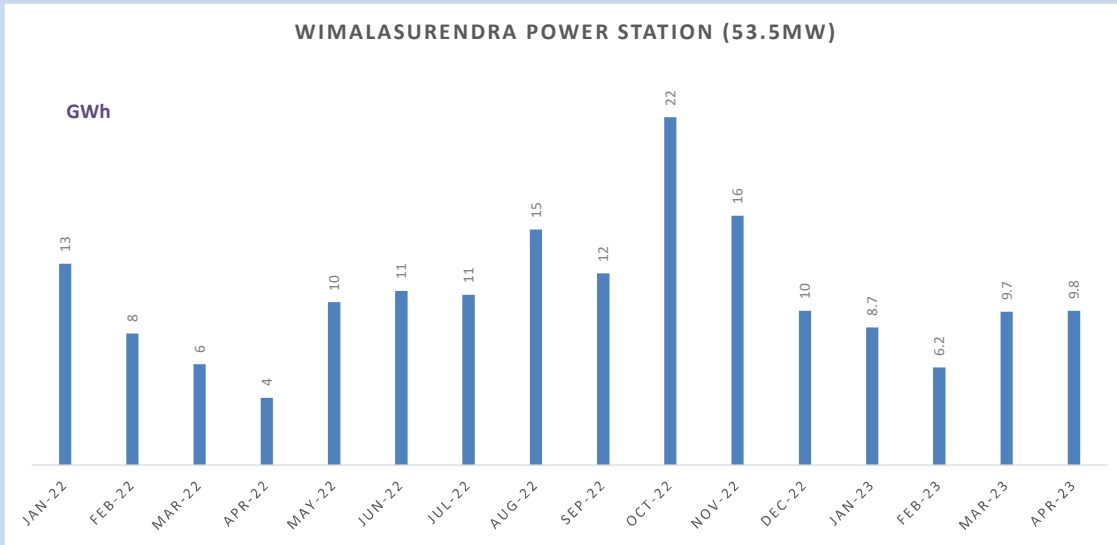
## 2 Major Plant Dispatch

### 2.1 Dispatch from all Generation Major Plants in

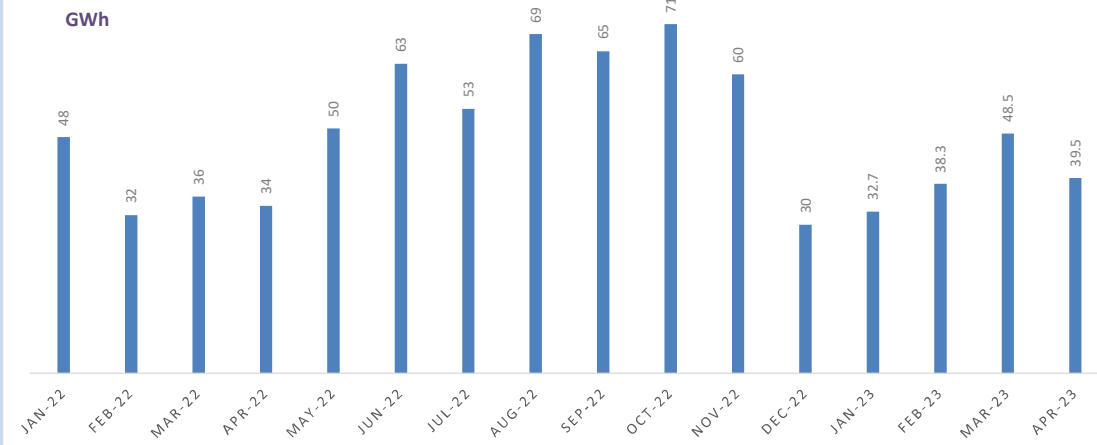
April-23

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	9,758	27.1%
Old Laxapana	54	23,686	60.9%
Canyon	60	12,203	28.2%
New Laxapana	100	39,534	54.9%
Polpitiya	90	32,551	50.2%
Broadlands	35	6,311	25.0%
Kotmale	201	8,880	6.1%
Victoria	225	40,956	25.3%
Randenigala	114	19,622	23.9%
Rantambe	50	9,137	25.4%
Ukuwela	37	10,271	38.6%
Bowatenna	40	3,475	12.1%
Upper Kotmale	150	15,058	13.9%
Nilambe	3	365	16.9%
Samanalawewa	120	27,082	31.3%
Kukule	75	17,087	31.6%
Inginiyagala	11	3,734	47.1%
Udawalawe	6	606	14.0%
Puttalam Coal I	270	183,003	94.1%
Puttalam Coal II	270	114,884	59.1%
Puttalam Coal III	270	166,535	85.7%
KPS Small GTs	64	158	0.3%
KPS GT 7	115	7,327	8.8%
KCCP	161	69,295	59.8%
Sapugaskanda A	70	15,919	31.6%
Sapugaskanda B	70	43,105	85.5%
Uthura Janani	26	11,877	63.4%
Barge CEB	60	32,755	75.8%
CEB - Hambantota	30	3,204	14.8%
CEB - Mathugama	20	1,462	10.2%
KCCPS -2	163	0	0.0%
West Coast	270	147,424	75.8%
ACE Embilipitiya	93	0	0.0%

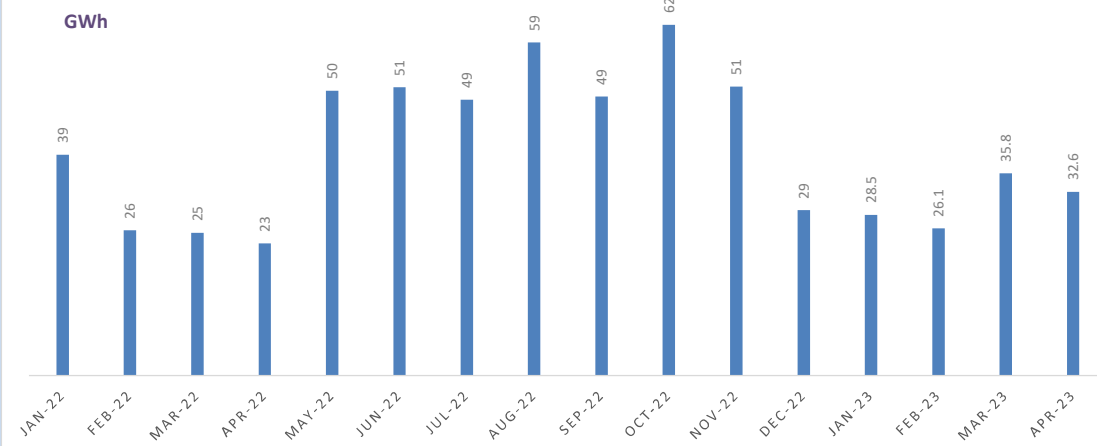
### 2.3 Generation of Major Power Plants From Last Year



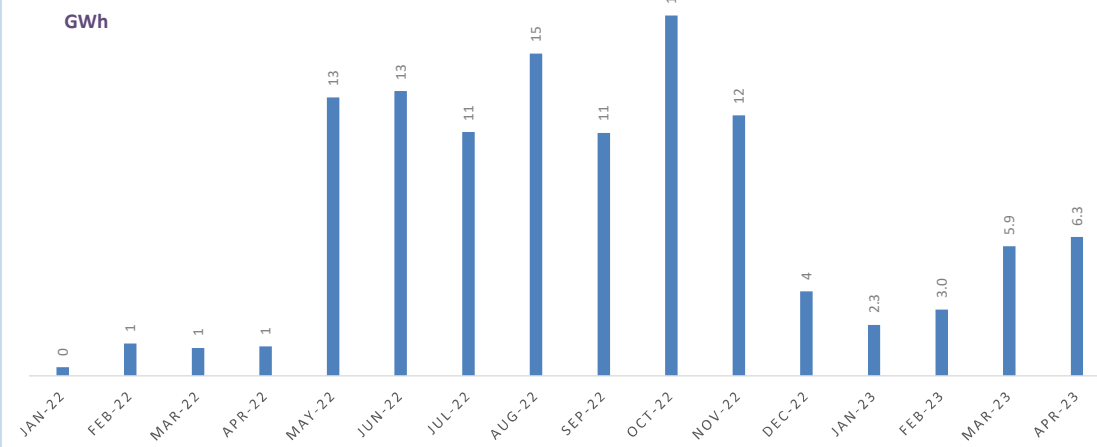
### NEW LAXAPANA POWER STATION (115 MW)



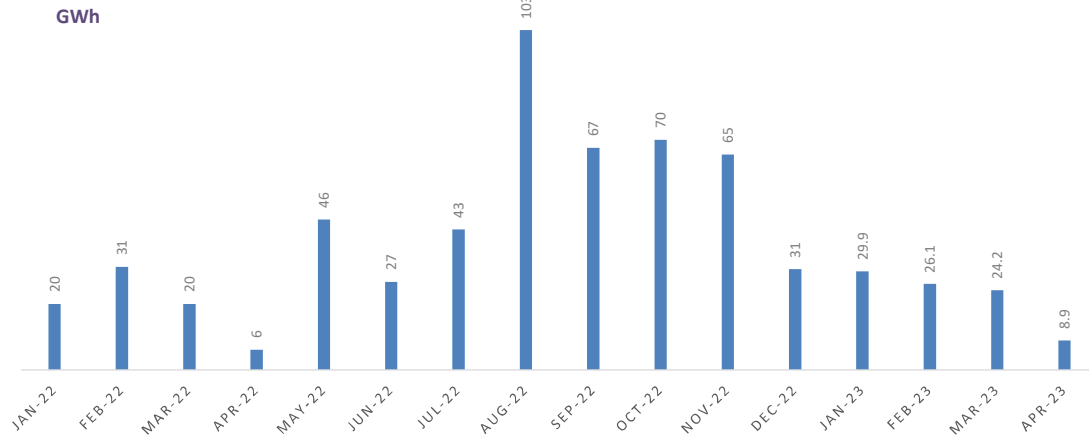
### POLPITIYA POWER STATION (90 MW)



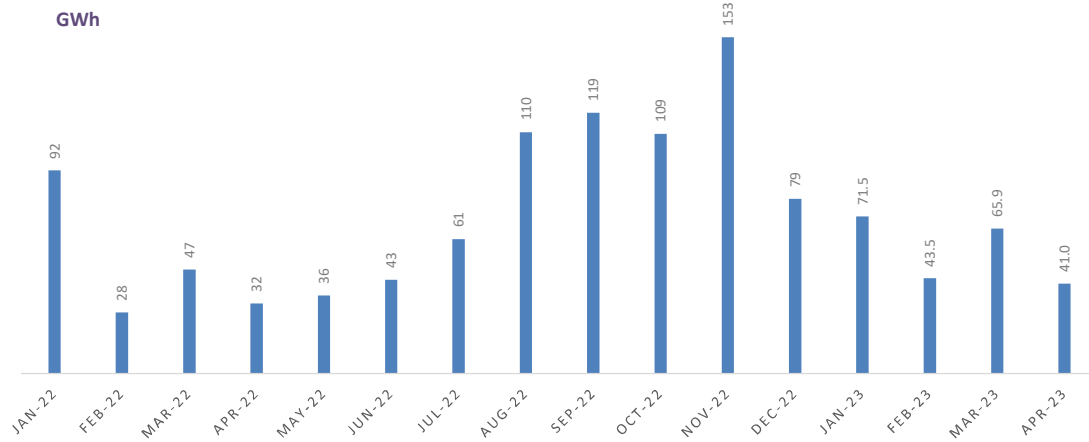
### BROADLANDS POWER STATION (35 MW)



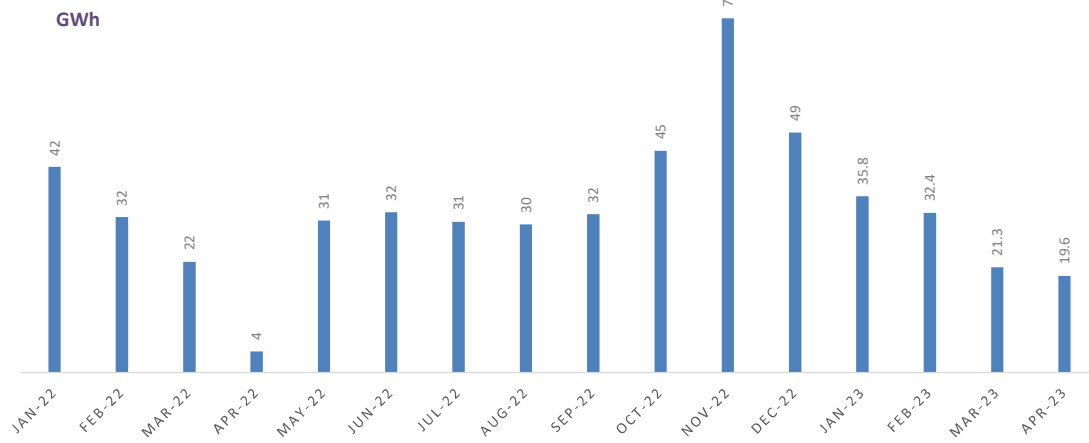
### KOTMALE POWER STATION (201 MW)



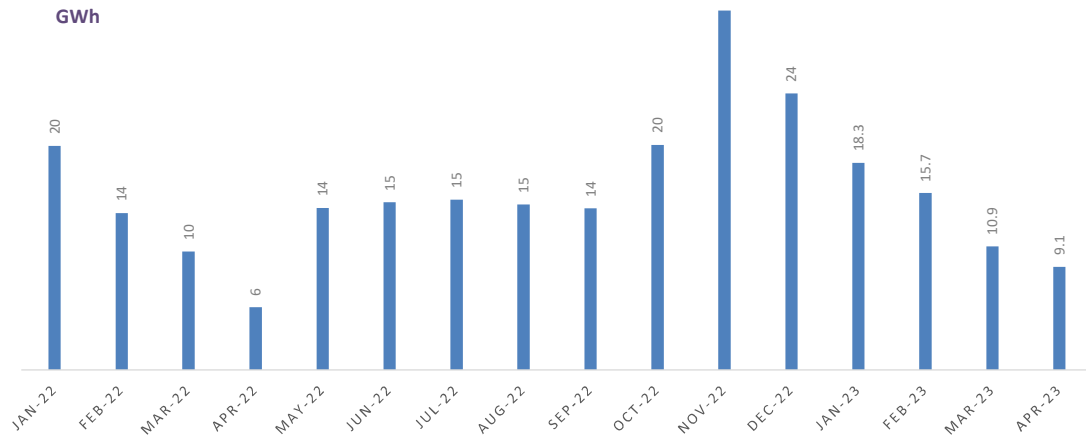
### VICTORIA POWER STATION (225 MW)



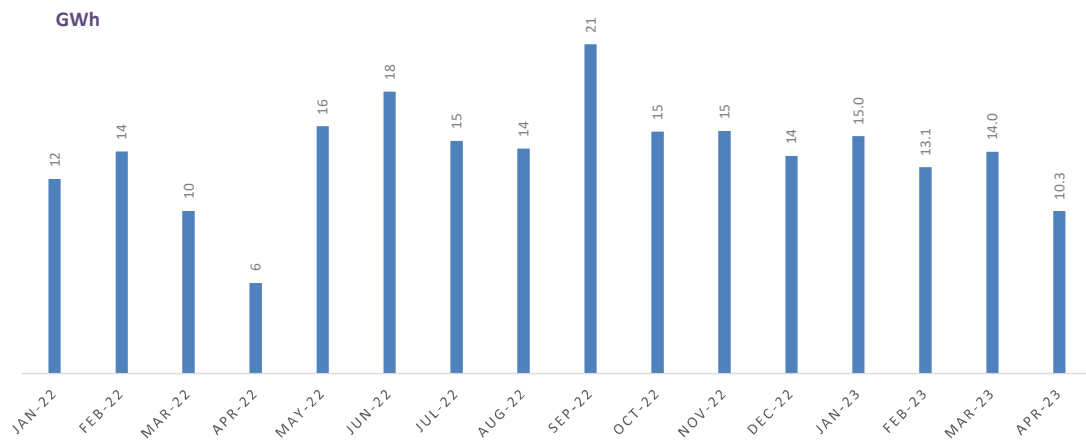
### RANDENIGALA POWER STATION (114 MW)



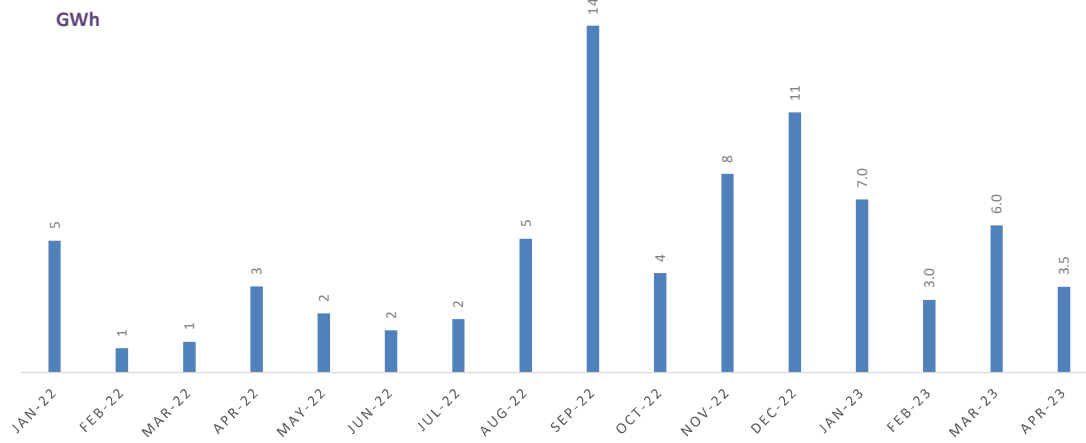
### RANTAMBE POWER STATION (50 MW)



### UKUWELA POWER STATION (37 MW)

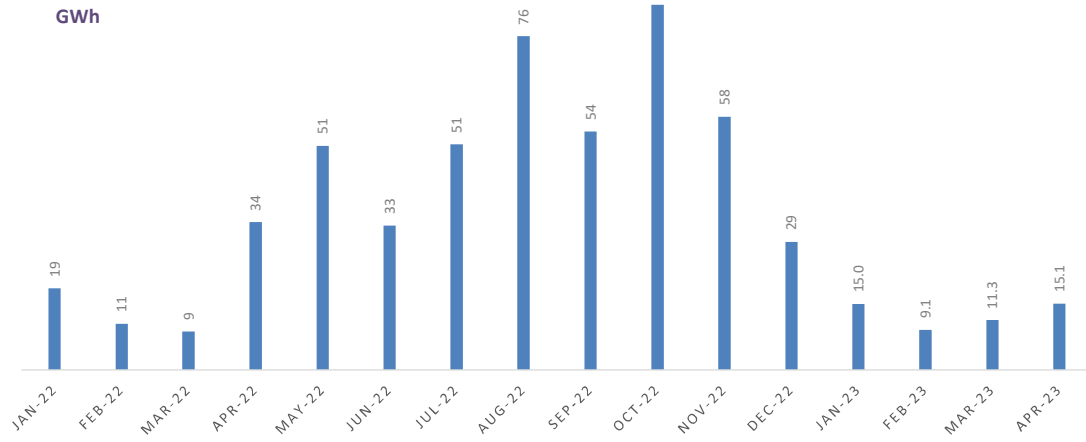


### BOWATHENNA POWER STATION (40 MW)

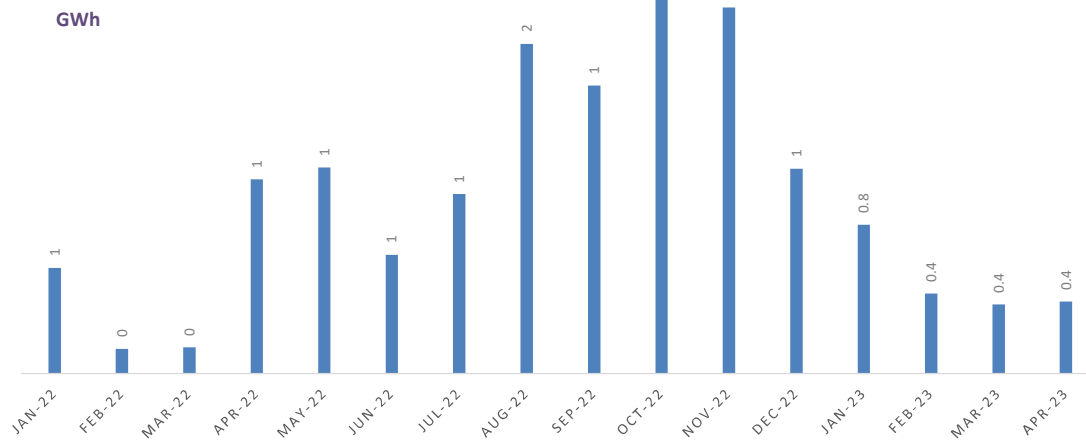




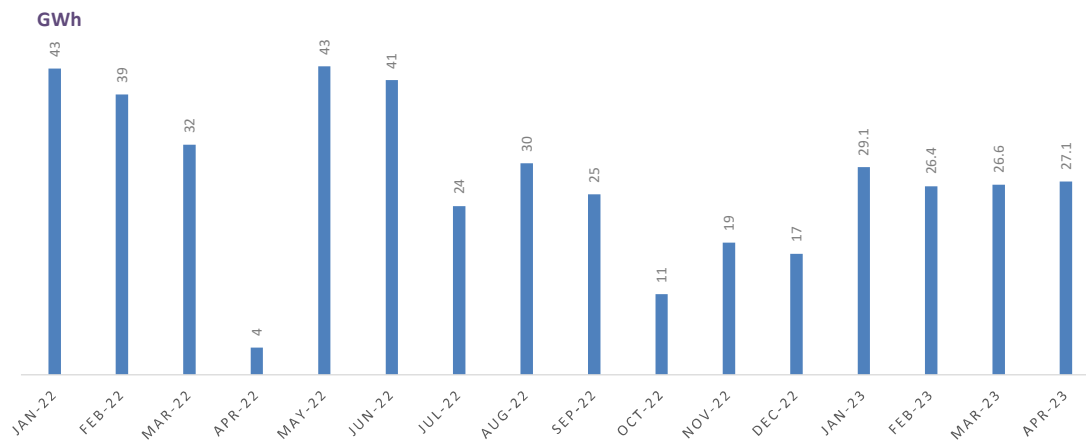
### UPPER KOTMALE POWER STATION (150 MW)



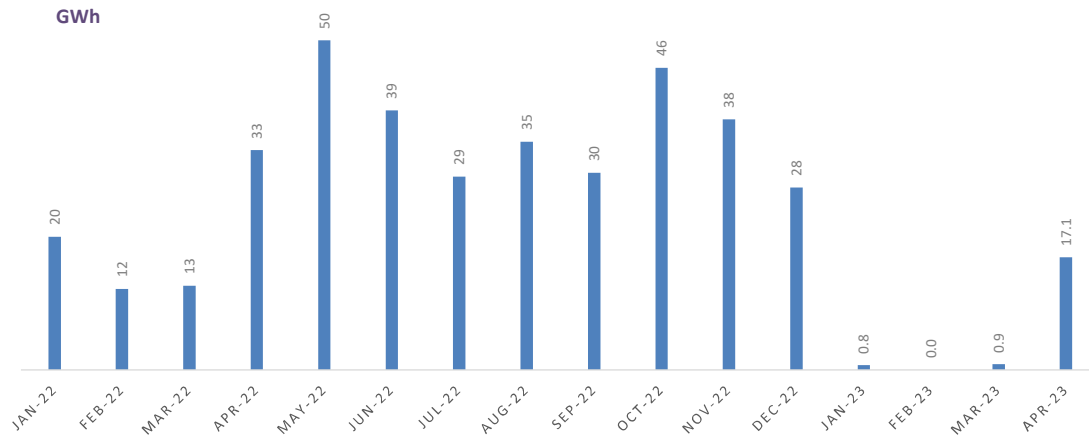
### NILLAMBE POWER STATION (3 MW)



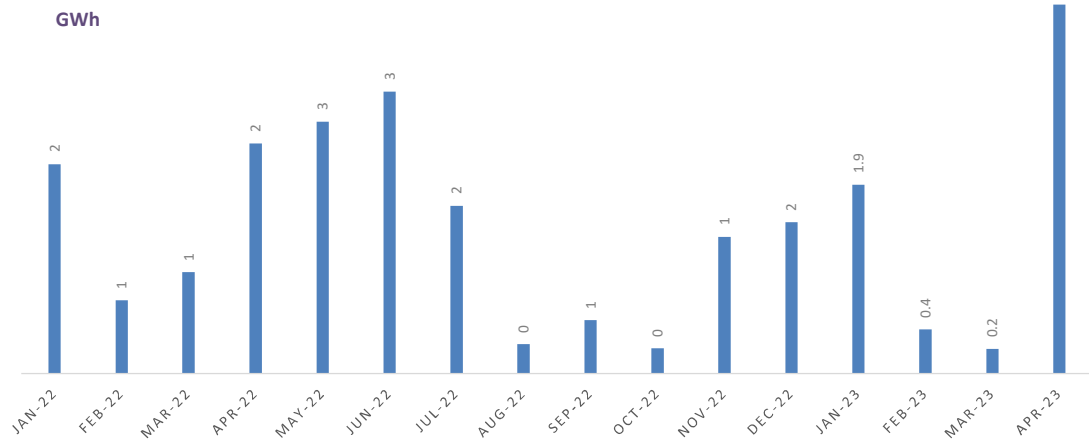
### SAMANALAWEWA POWER STATION (120 MW)



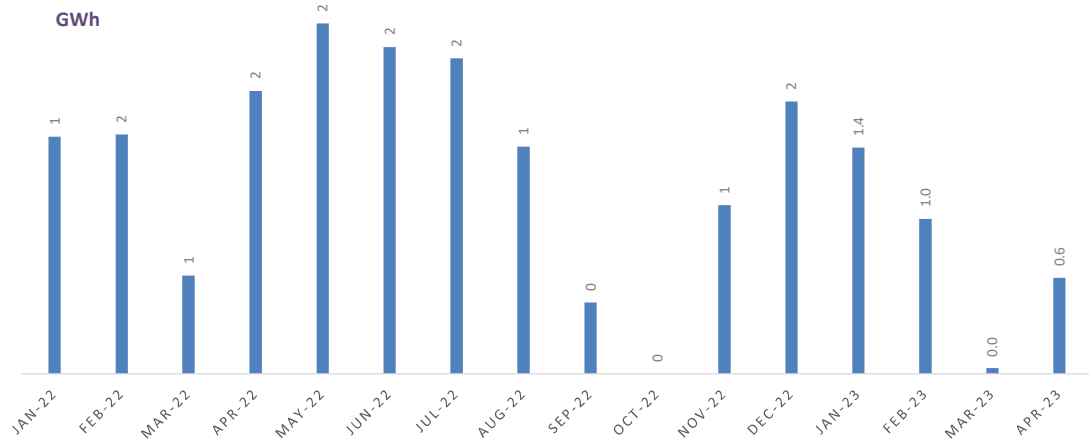
### KUKULE POWER STATION (75 MW)

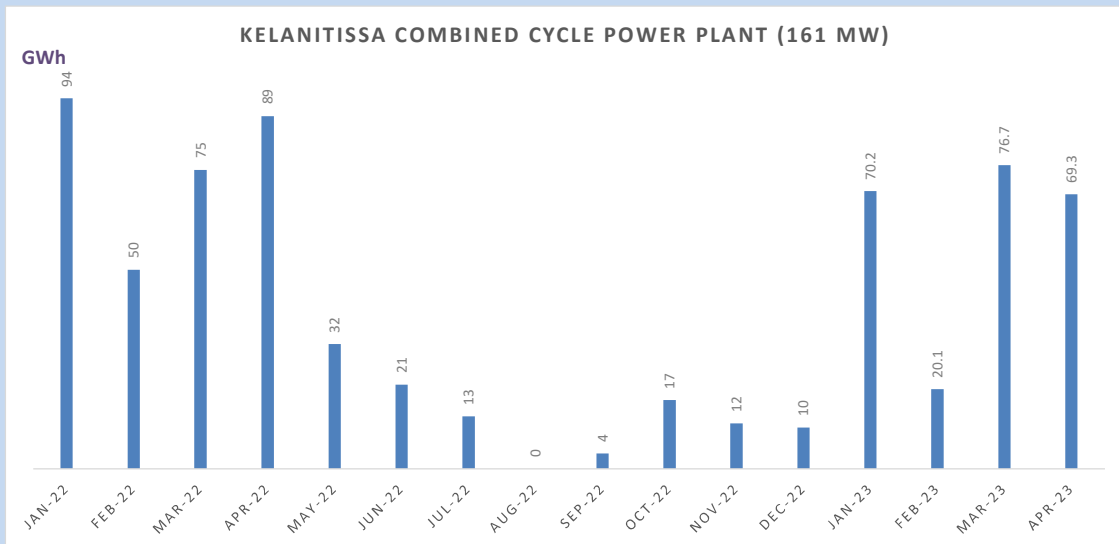
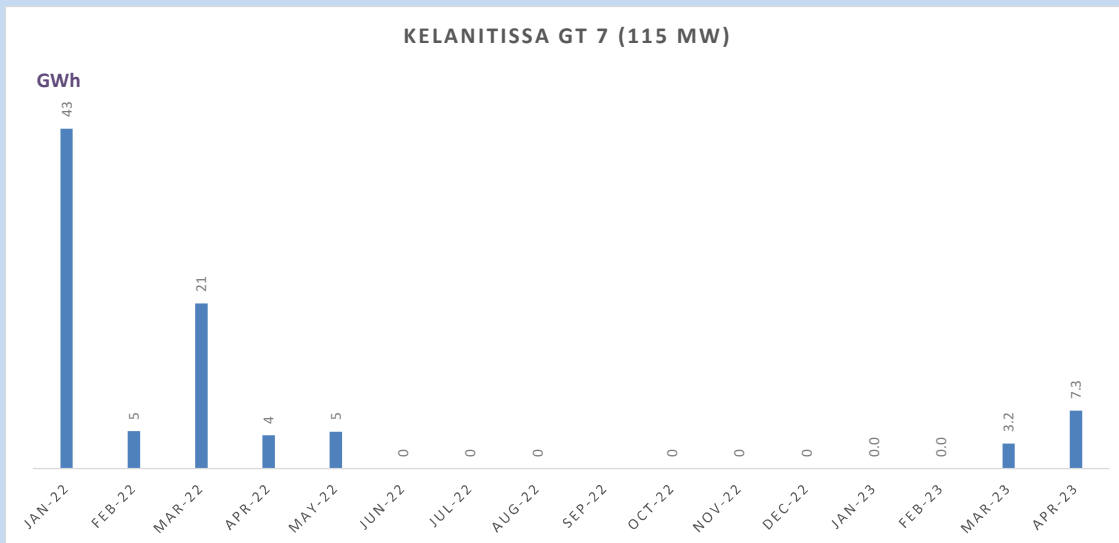
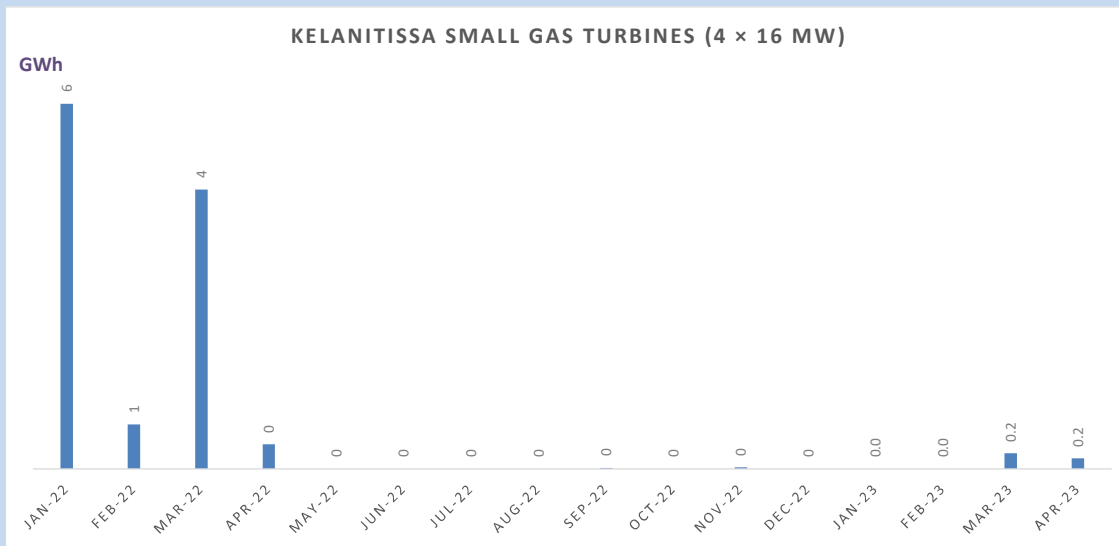


### INGINIYAGALA POWER STATION (11 MW)

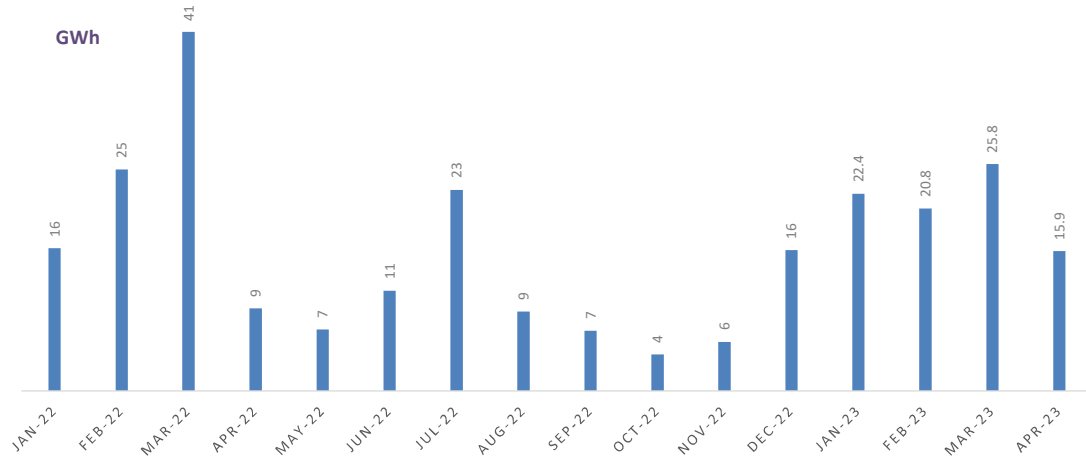


### UDAWALAWE POWER STATION (6 MW)

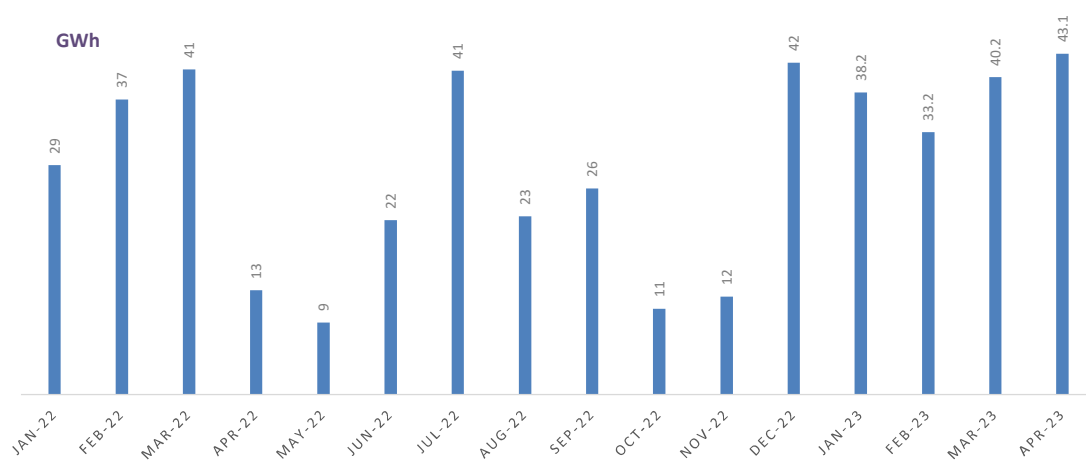




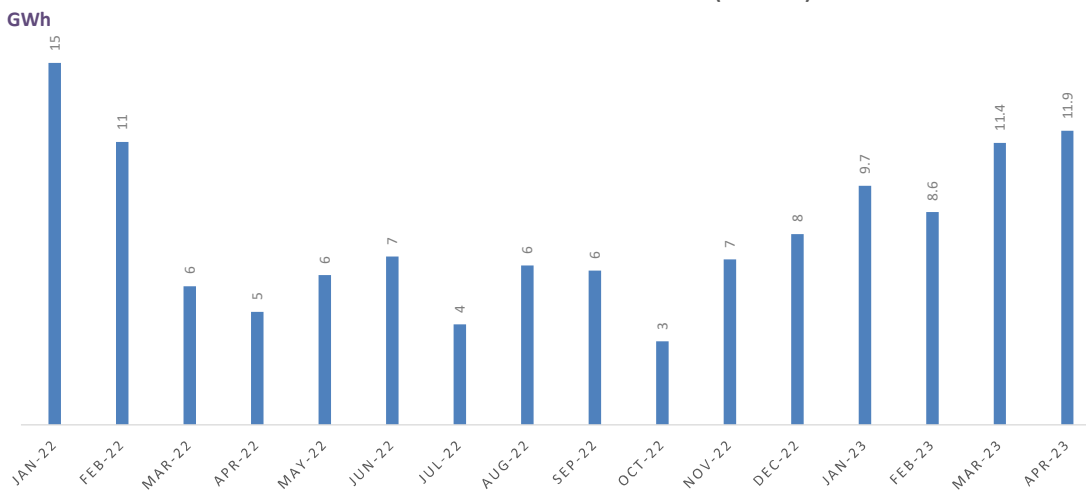
### SAPUGASKANDA - A POWER STATION (80 MW)



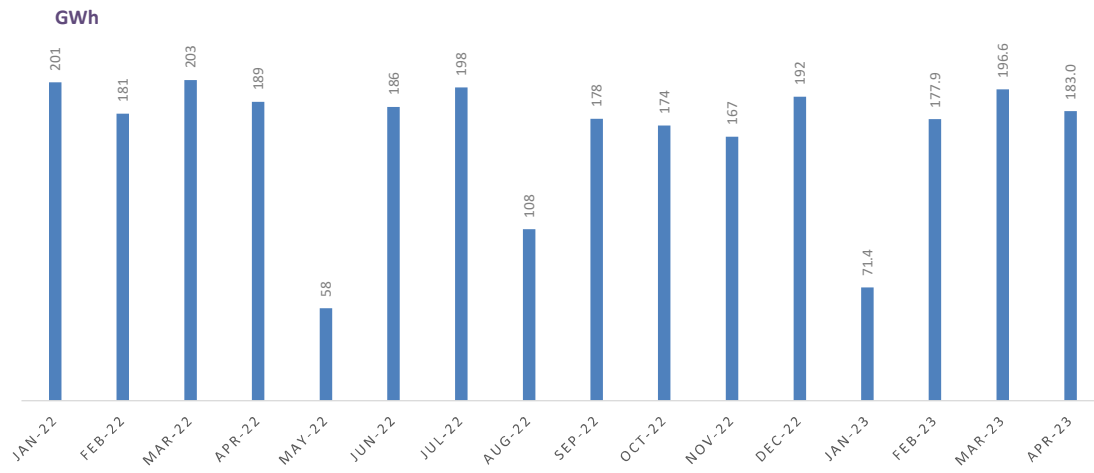
### SAPUGASKANDA - B POWER STATION (80 MW)



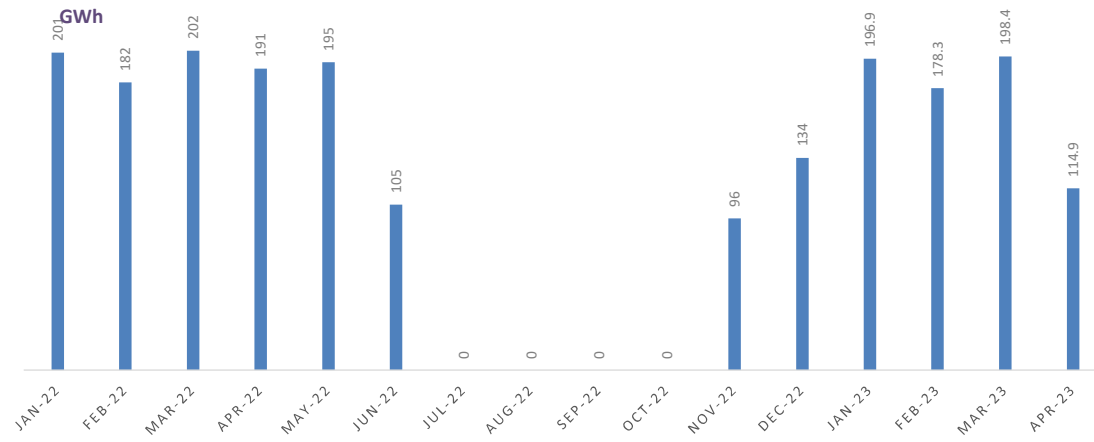
### UTHURU JANANEE POWER STATION (26 MW)



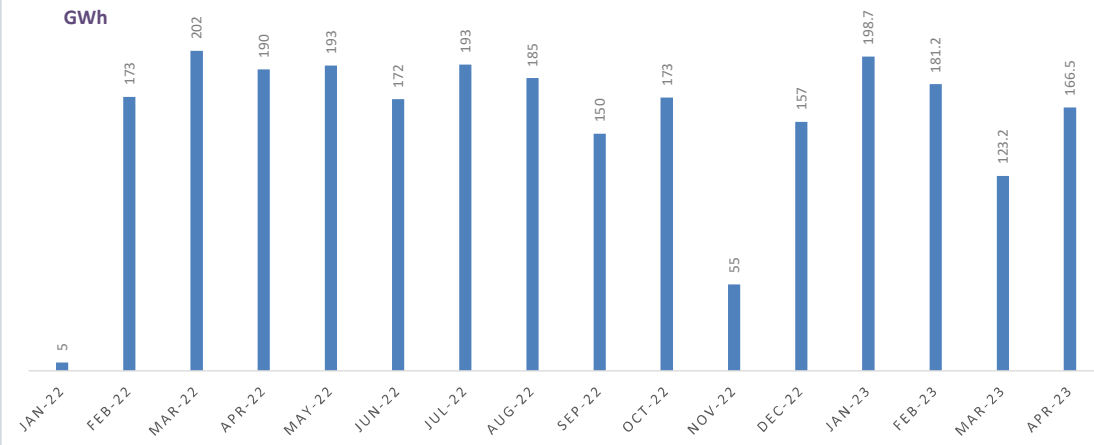
### LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



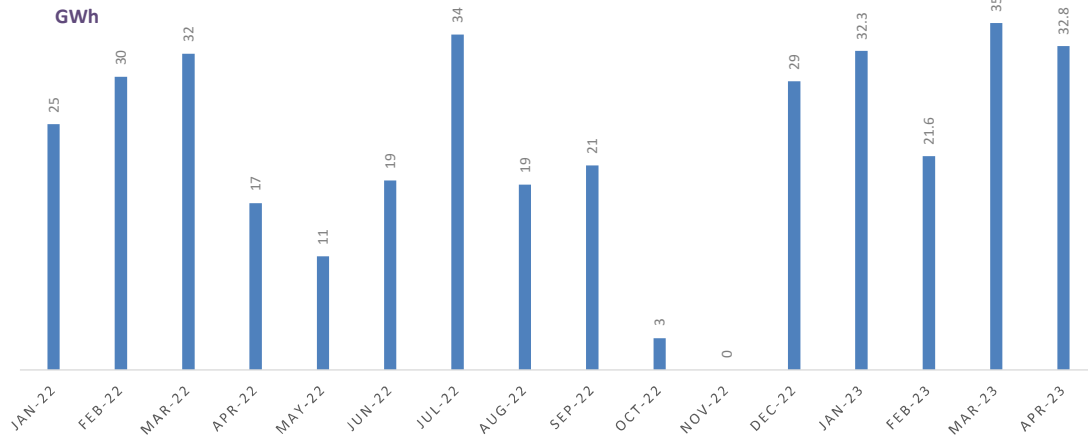
### LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



### LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



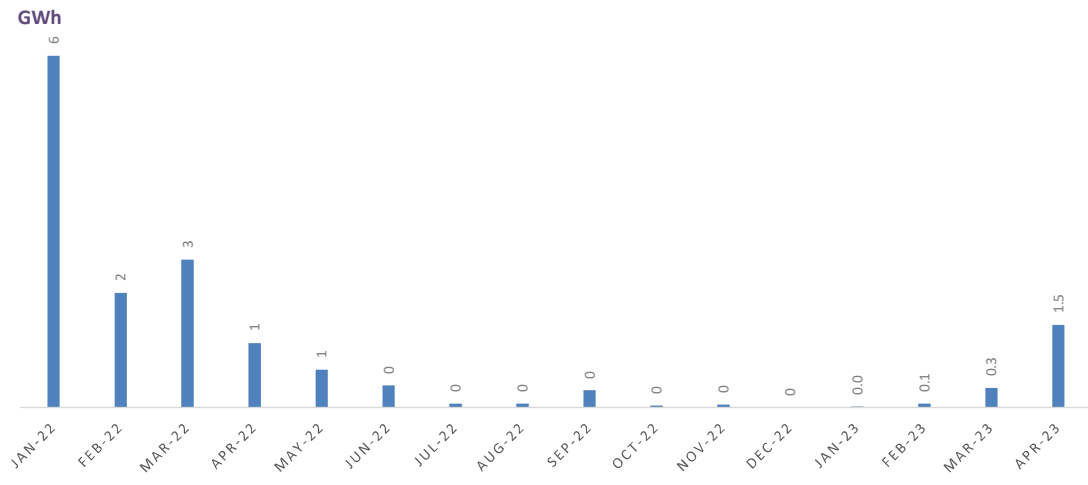
### BARGE POWER STATION - CEB (60 MW)



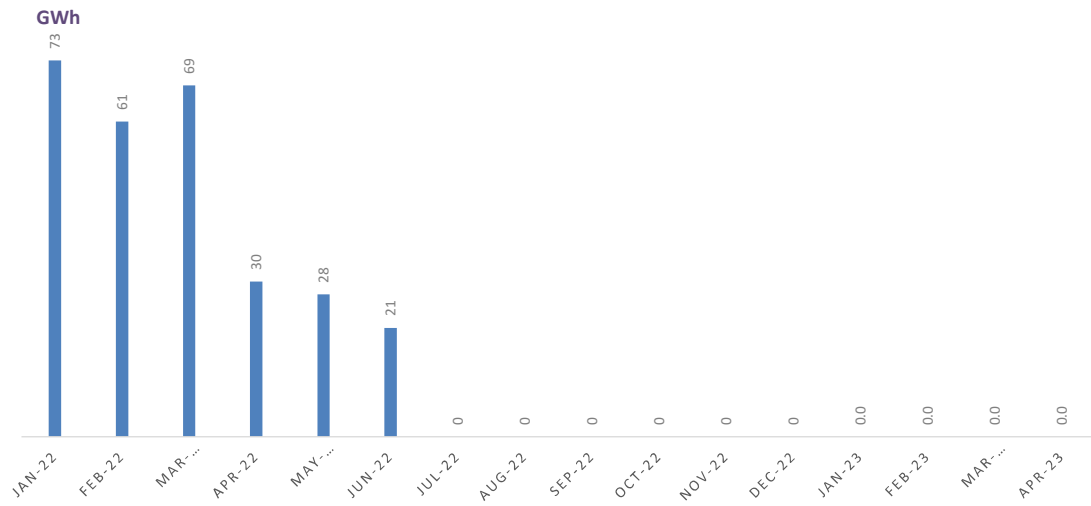
### HAMBANTOTA - CEB (30 MW)



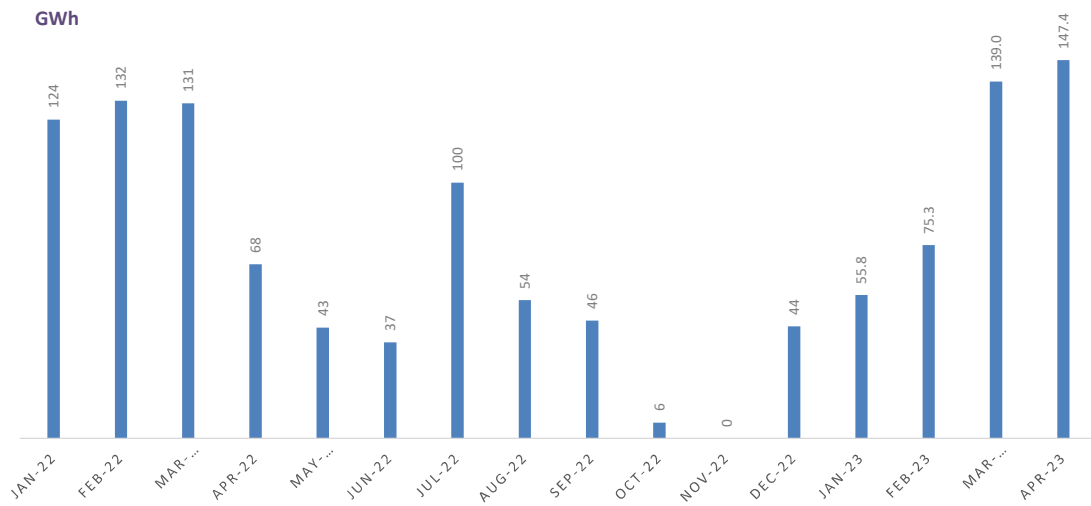
### MATHUGAMA - CEB (20 MW)



### SOJITZ KELANITHISSA POWER STATION (163 MW)



### WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



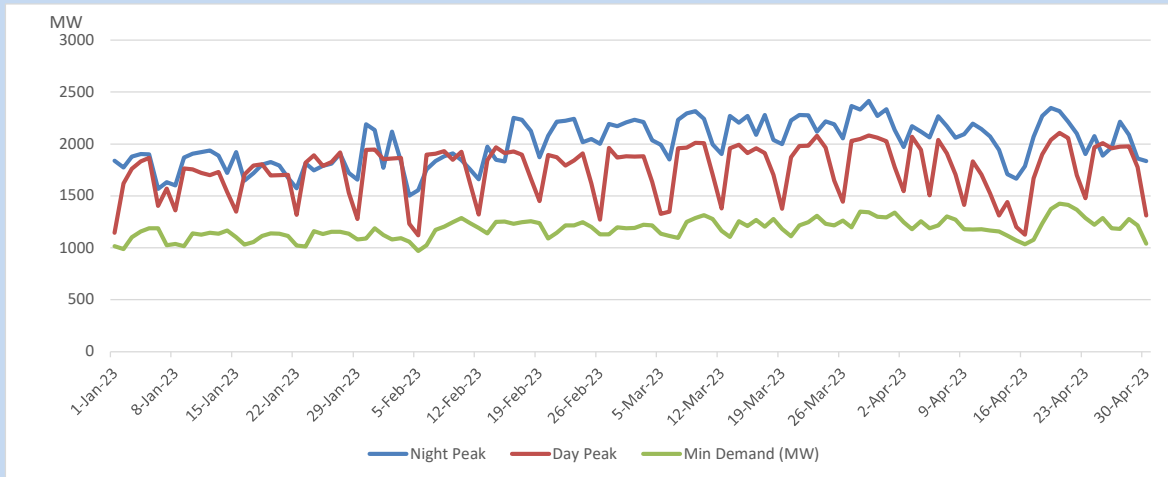
### 3 Peak Demand

During the month;

Highest Peak Demand	2,345 MW on	19-Apr
Lowest Peak Demand	1,668 MW on	15-Apr
Highest Day Peak Demand	2,106 MW on	20-Apr
Minimum Demand	1,035 MW on	16-Apr

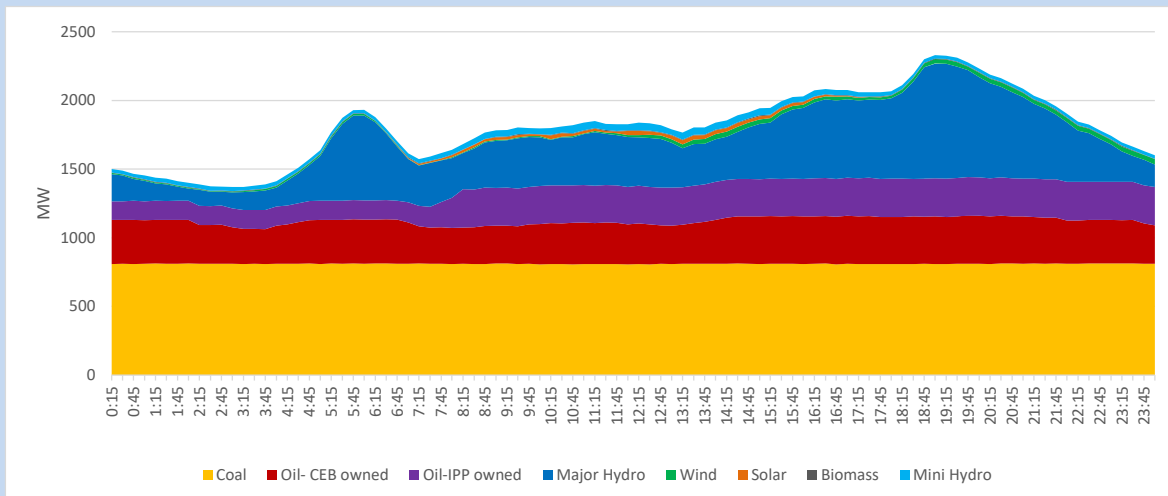
\*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

#### 3.1 Demand Variation During the year



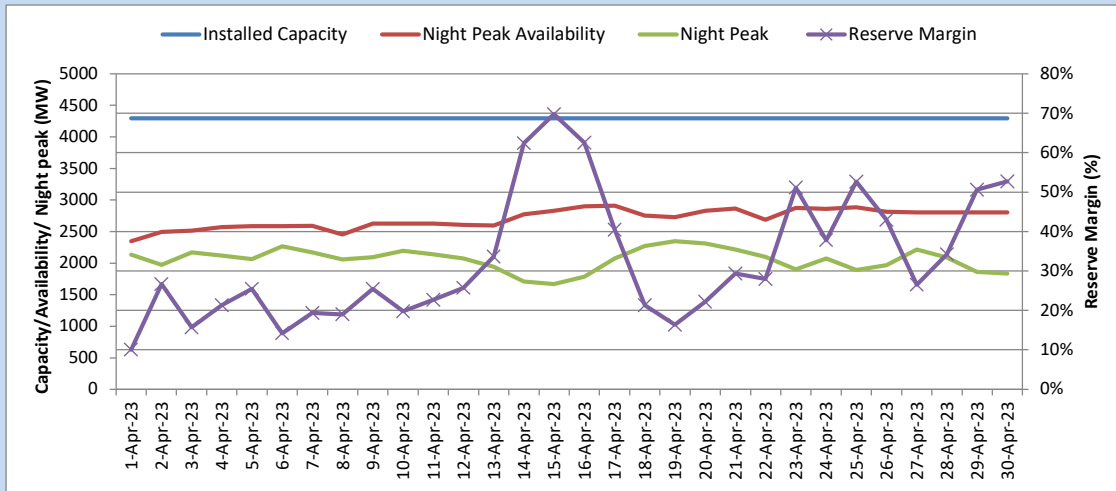
#### 3.2 Load Curve of the Day with Highest Night Peak ,

19-Apr





### 3.3 Variation of Reserve Margin During Night Peak

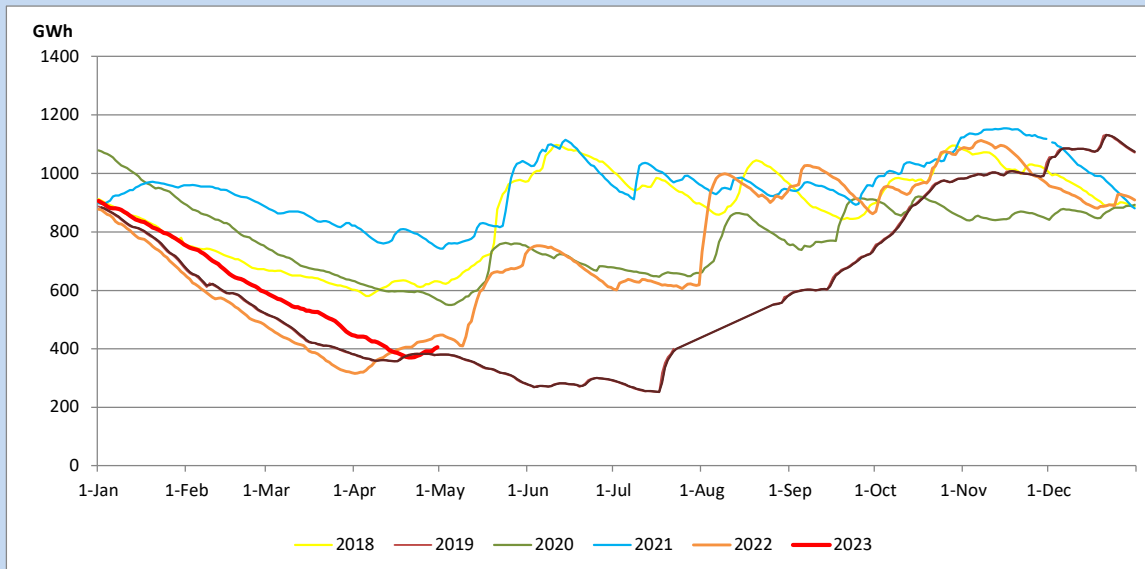


Note: Contribution from NCRE plants is not included

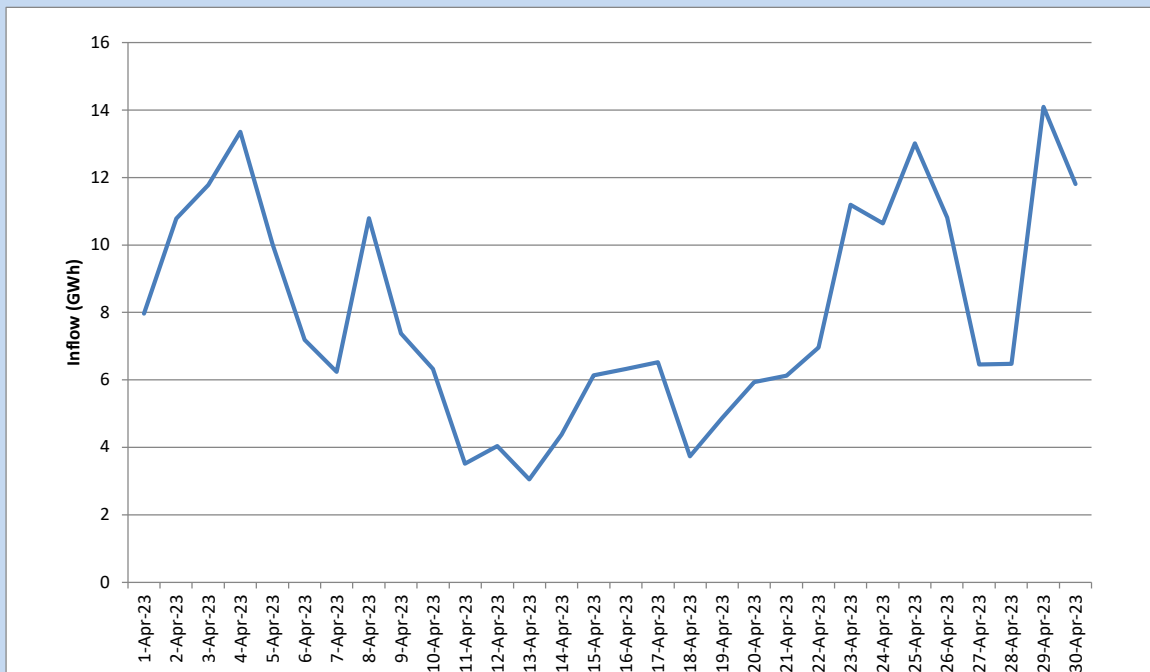
## 4 Reservoir Statistics

Total Reservoir level at the beginning of the month	447.1 GWh
Total Reservoir level at the end of the month	404.7 GWh
Total Inflow	237.9 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

