

# Monthly Generation Report

## January-23

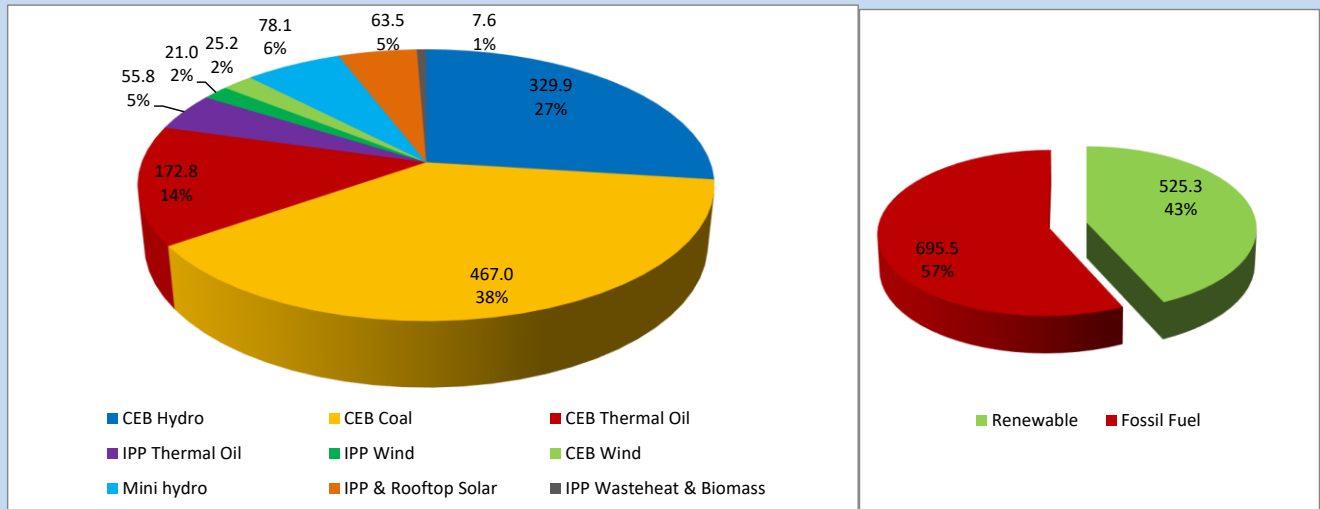


**PUBLIC UTILITIES COMMISSION OF SRI LANKA**

# 1 Generation Mix

## 1.1 Monthly Generation Mix in GWh

January-23

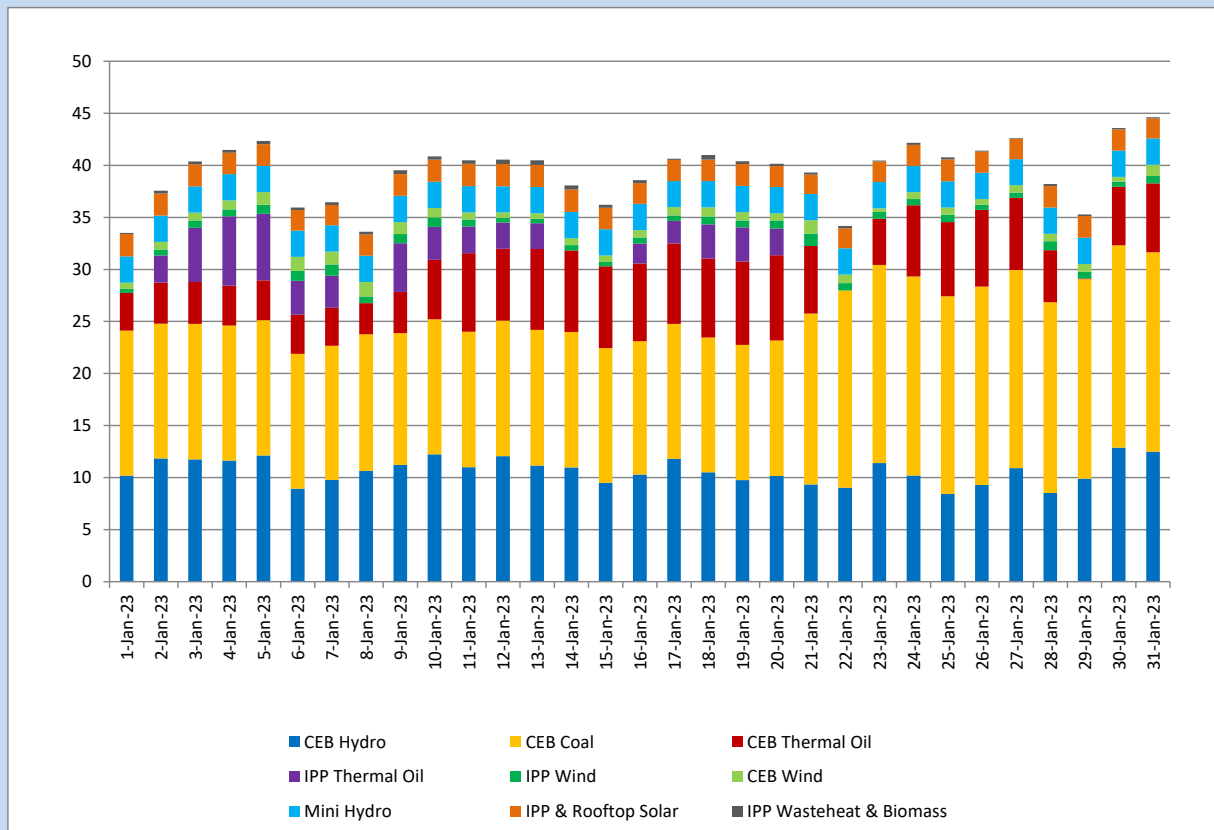


Total Generation = 1,221 GWh

Total Estimated Unserved Energy duty power cut = 57.25 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





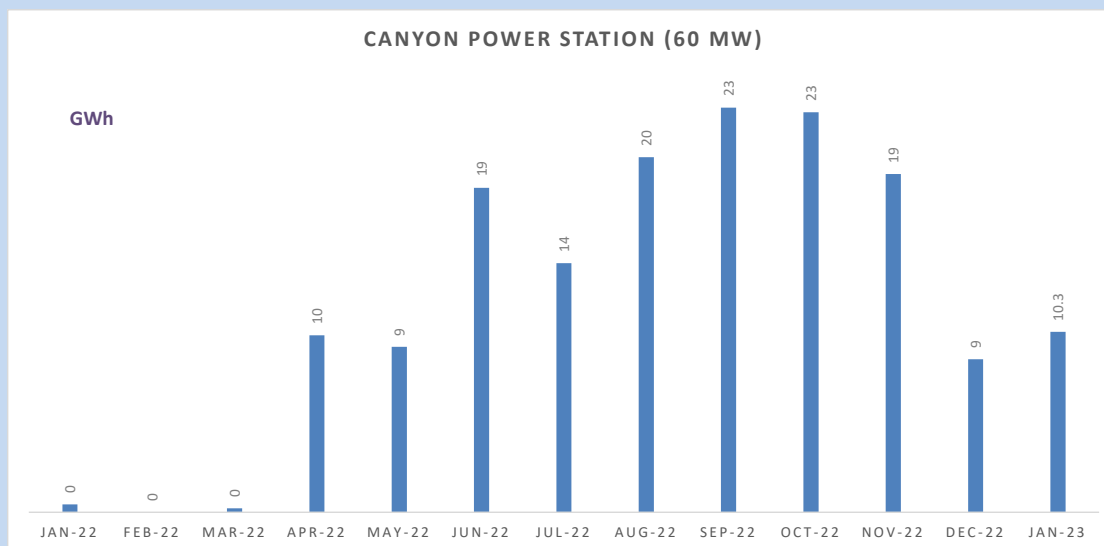
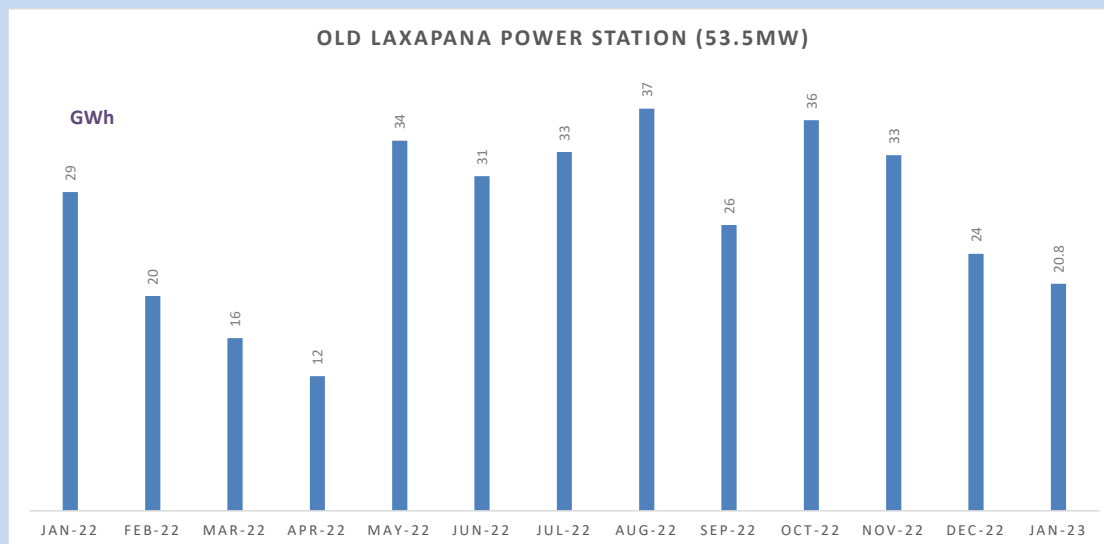
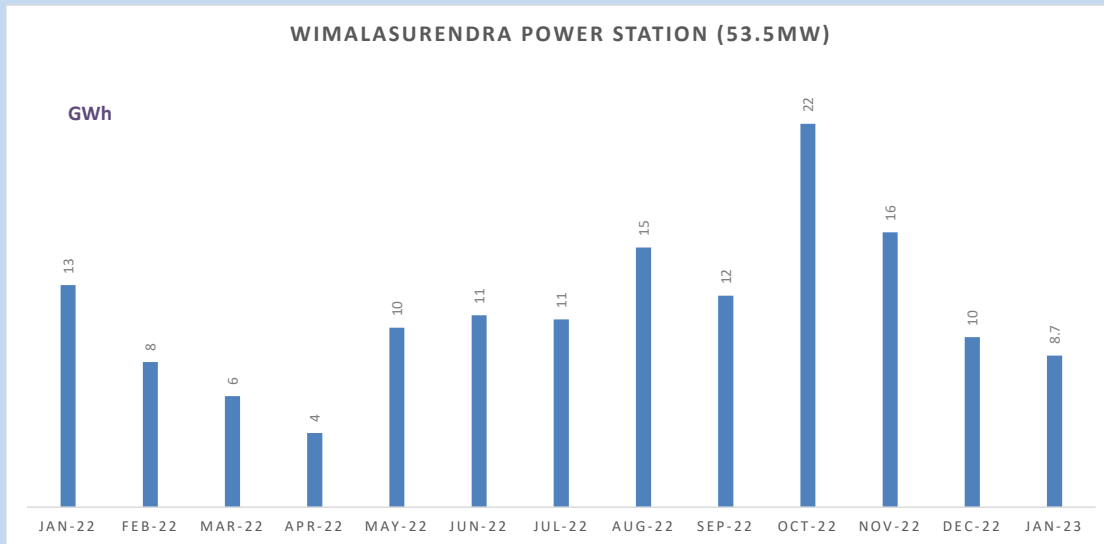
## 2 Major Plant Dispatch

### 2.1 Dispatch from all Generation Major Plants in

January-23

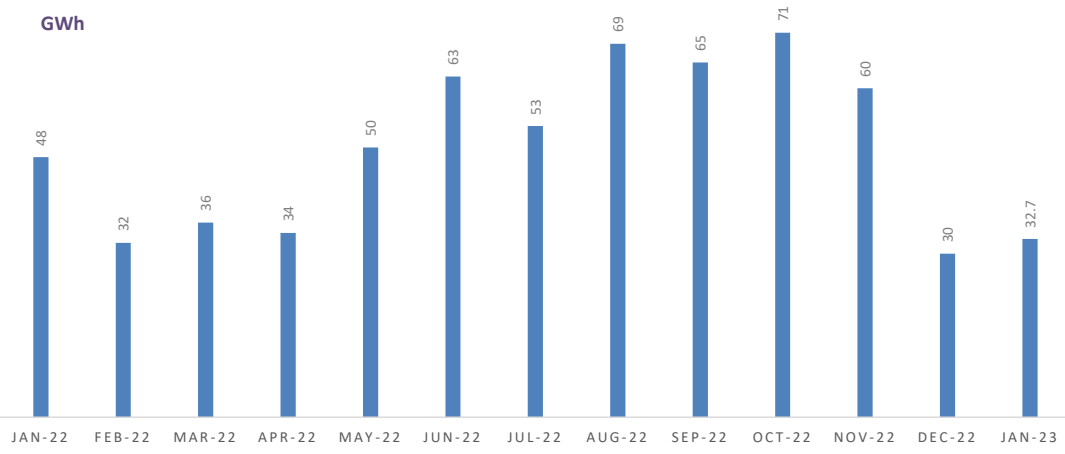
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	8,703	23.4%
Old Laxapana	54	20,845	51.9%
Canyon	60	10,341	23.2%
New Laxapana	100	32,729	44.0%
Polpitiya	90	28,484	42.5%
Broadlands	35	2,325	8.9%
Kotmale	201	29,910	20.0%
Victoria	225	71,487	42.7%
Randenigala	114	35,761	42.2%
Rantambe	50	18,325	49.3%
Ukuwela	37	15,014	54.5%
Bowatenna	40	7,012	23.6%
Upper Kotmale	150	15,016	13.5%
Nilambe	3	753	33.7%
Samanalawewa	120	29,087	32.6%
Kukule	75	763	1.4%
Inginiyagala	11	1,912	23.4%
Udawalawe	6	1,428	32.0%
Puttalam Coal I	270	71,404	35.5%
Puttalam Coal II	270	196,868	98.0%
Puttalam Coal III	270	198,681	98.9%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	161	70,171	58.6%
Sapugaskanda A	70	22,435	43.1%
Sapugaskanda B	70	38,212	73.4%
Uthura Janani	26	9,660	49.9%
Barge CEB	60	32,262	72.3%
CEB - Thulhiriya	10	0	0.0%
CEB - Kolonnawa	20	1	0.0%
CEB - Mathugama	20	19	0.1%
Sojitz Kelanitissa	163	0	0.0%
West Coast	270	55,803	27.8%
ACE Embilipitiya	93	0	0.0%

## 2.3 Generation of Major Power Plants From Last Year



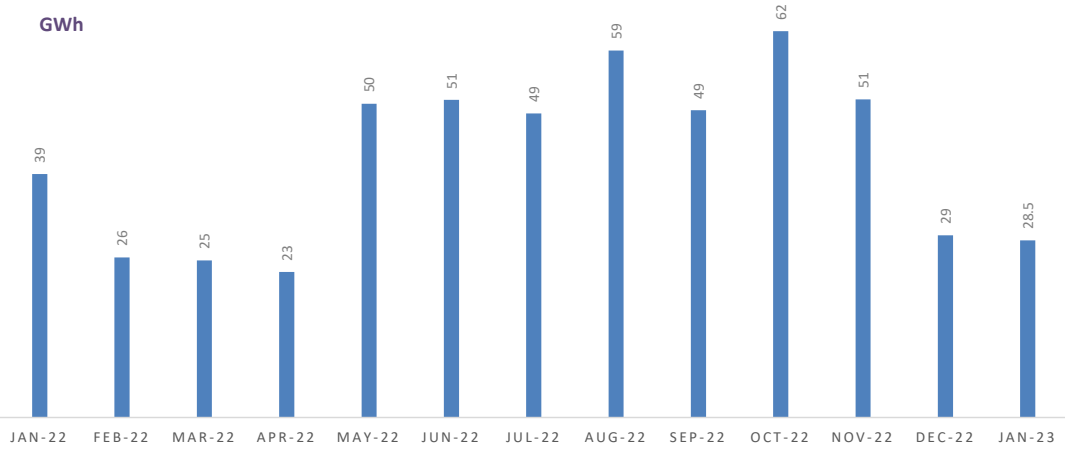
### NEW LAXAPANA POWER STATION (115 MW)

GWh



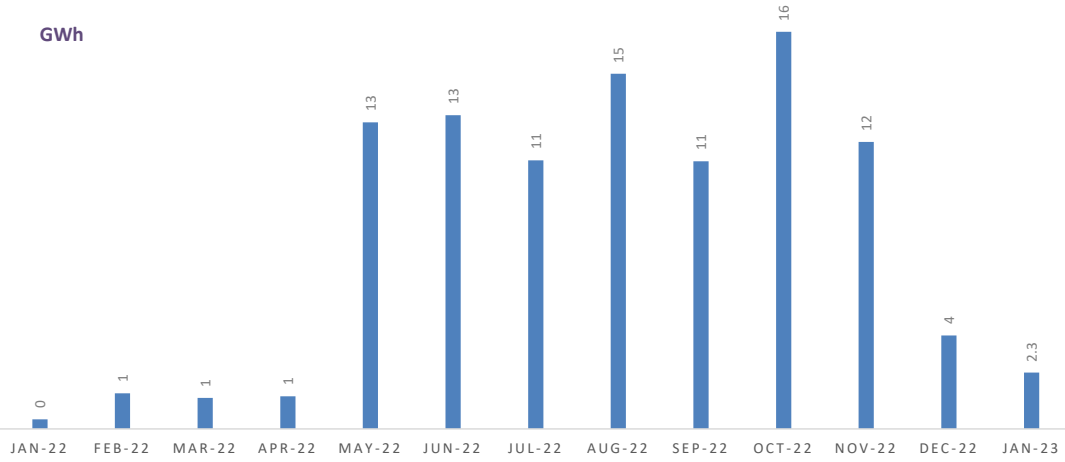
### POLPITIYA POWER STATION (90 MW)

GWh



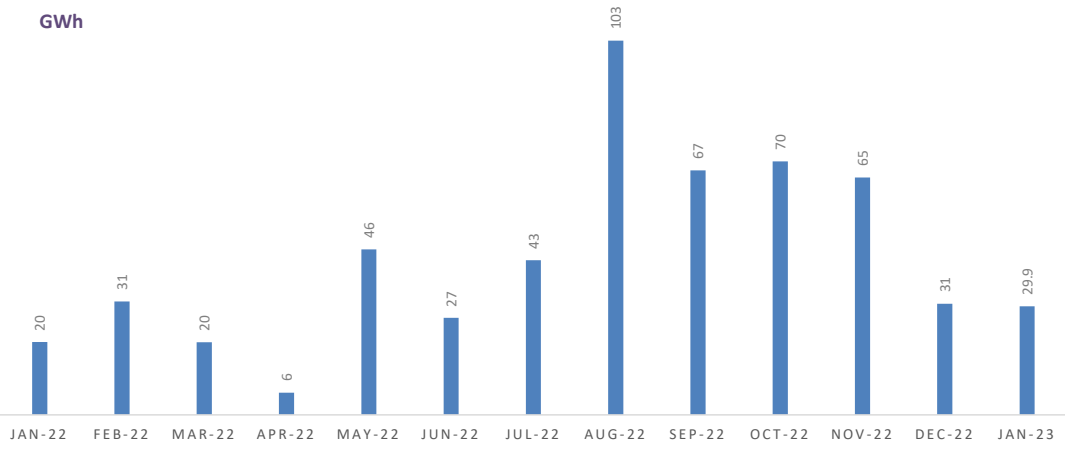
### BROADLANDS POWER STATION (35 MW)

GWh



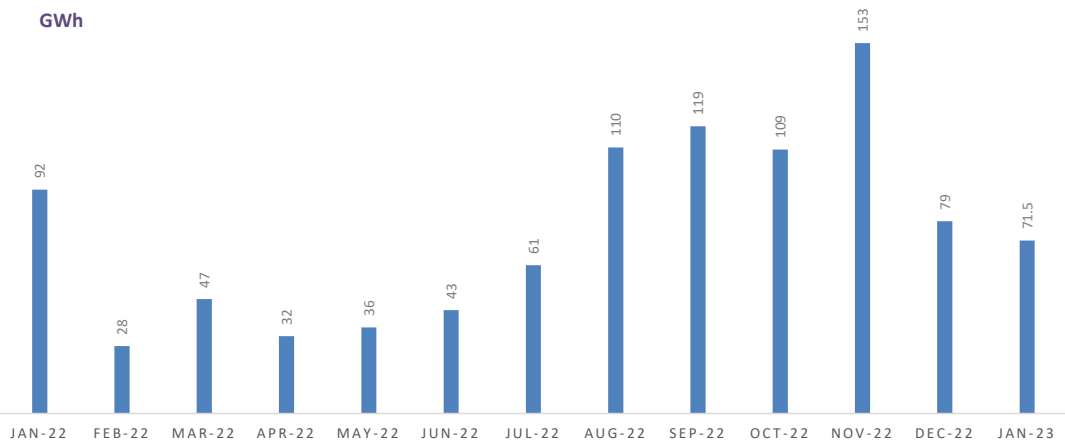
### KOTMALE POWER STATION (201 MW)

GWh



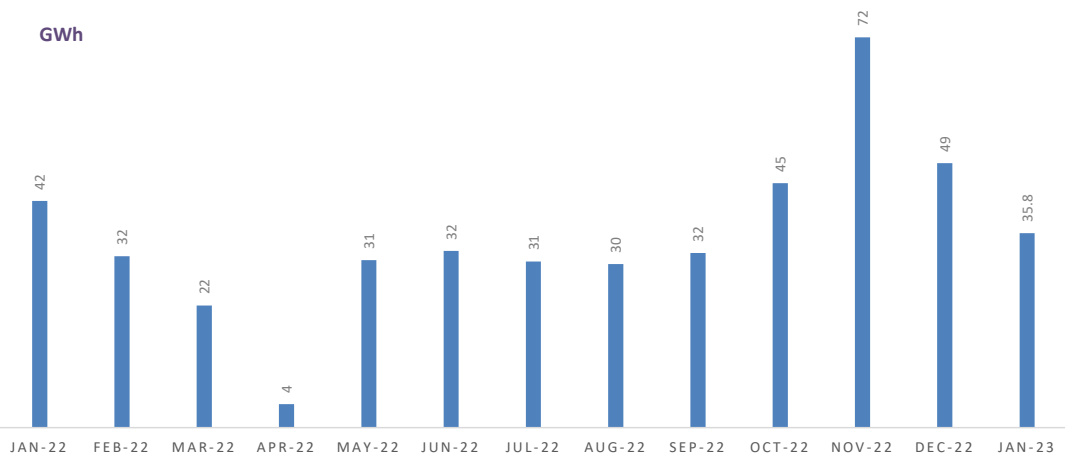
### VICTORIA POWER STATION (225 MW)

GWh



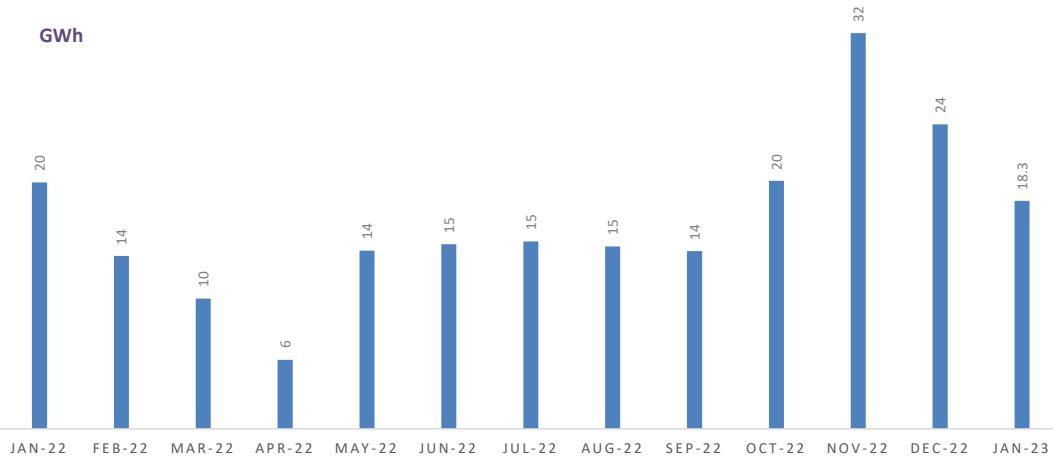
### RANDENIGALA POWER STATION (114 MW)

GWh



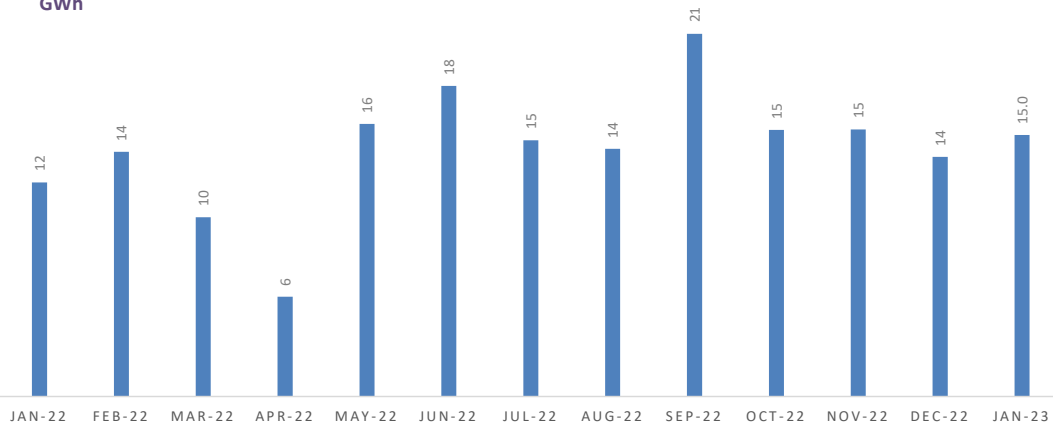
### RANTAMBE POWER STATION (50 MW)

GWh



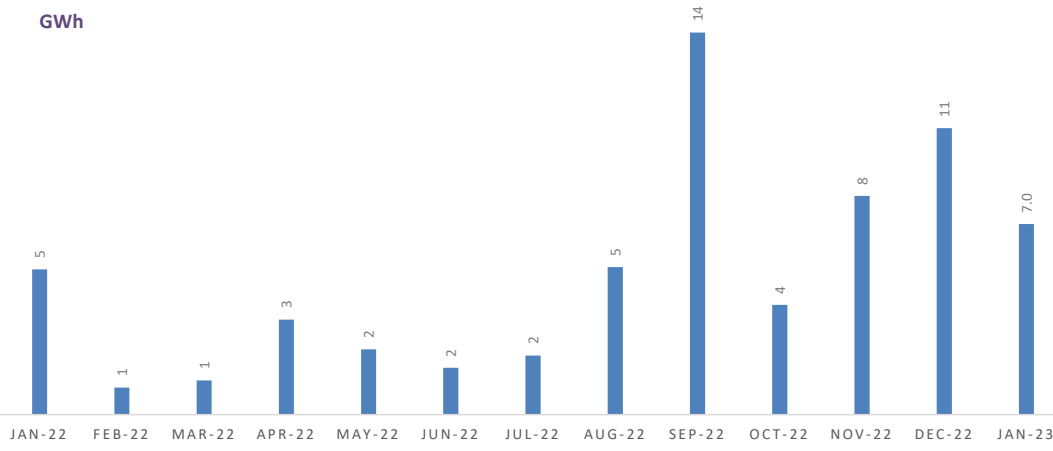
### UKUWELA POWER STATION (37 MW)

GWh



### BOWATHENNA POWER STATION (40 MW)

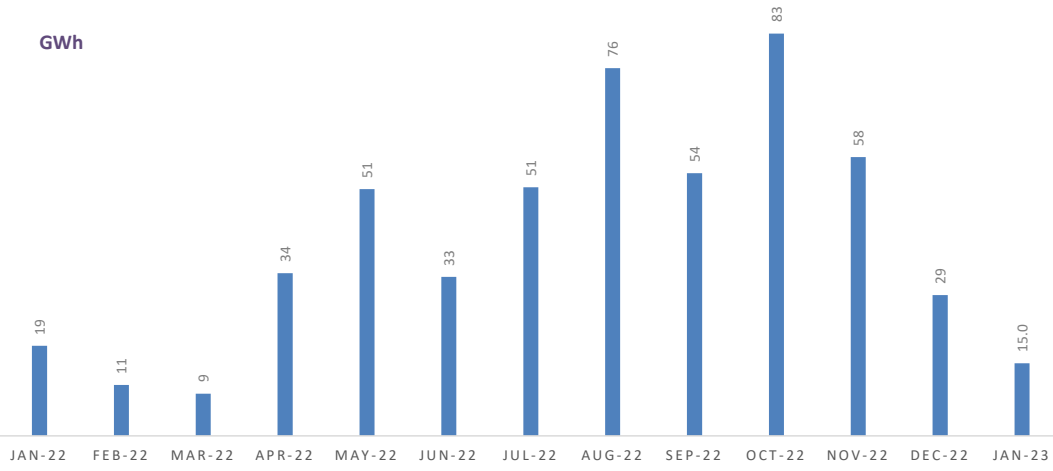
GWh





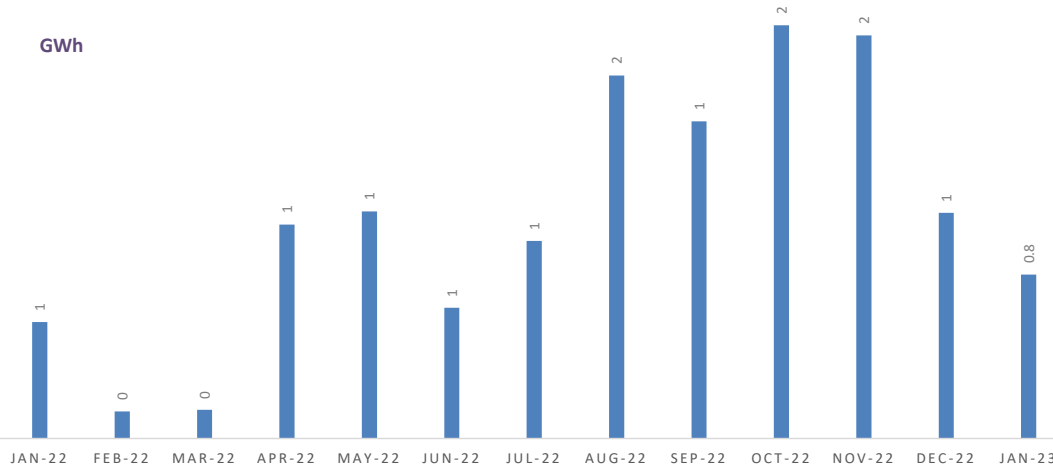
### UPPER KOTMALE POWER STATION (150 MW)

GWh



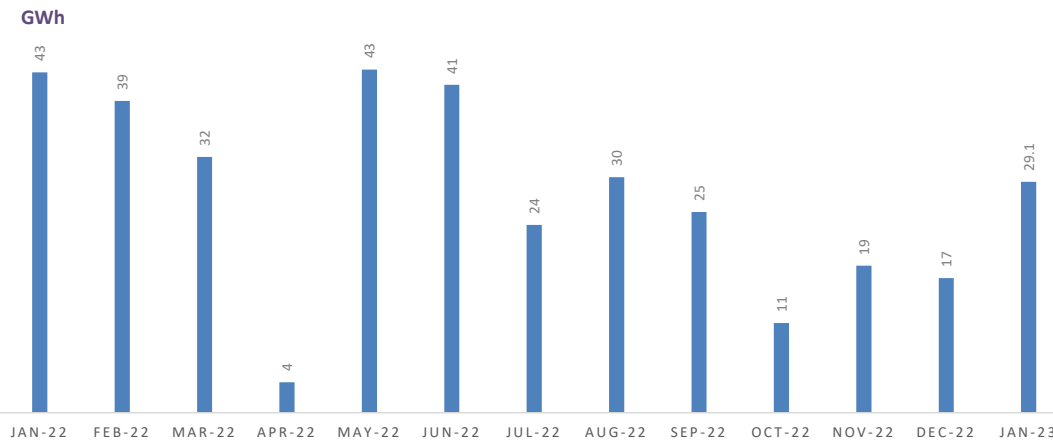
### NILLAMBE POWER STATION (3 MW)

GWh



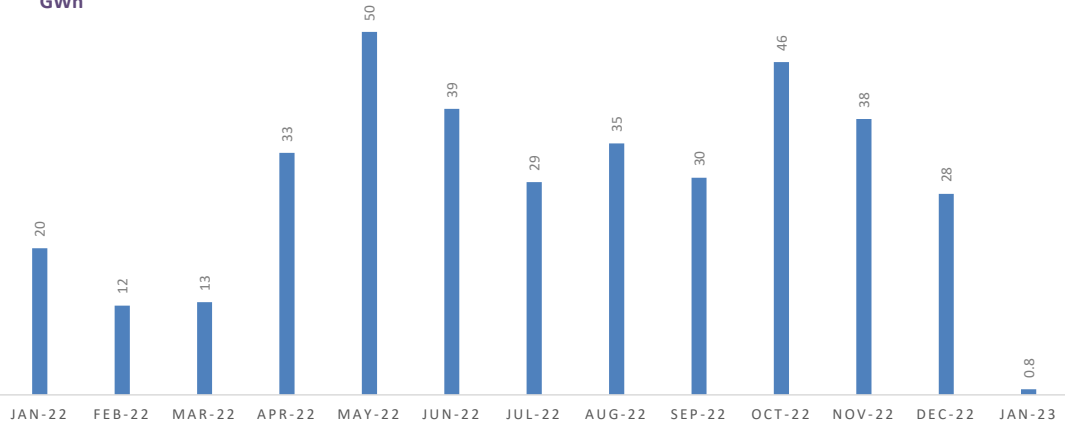
### SAMANALAWEWA POWER STATION (120 MW)

GWh



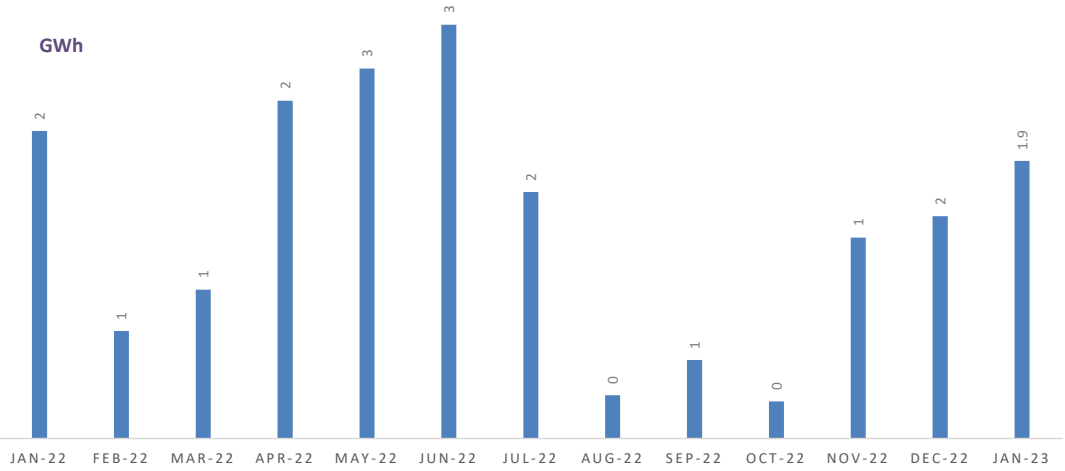
### KUKULE POWER STATION (75 MW)

GWh



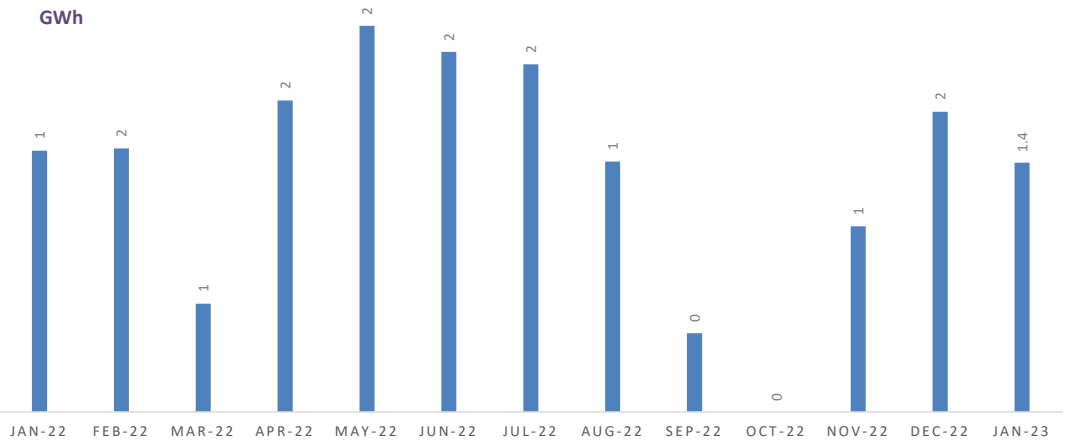
### INGINIYAGALA POWER STATION (11 MW)

GWh

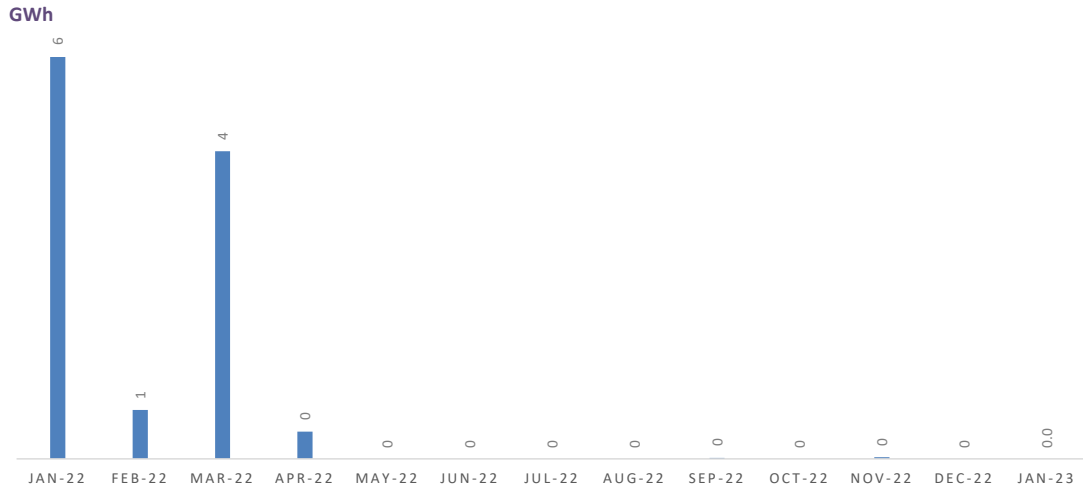


### UDAWALAWE POWER STATION (6 MW)

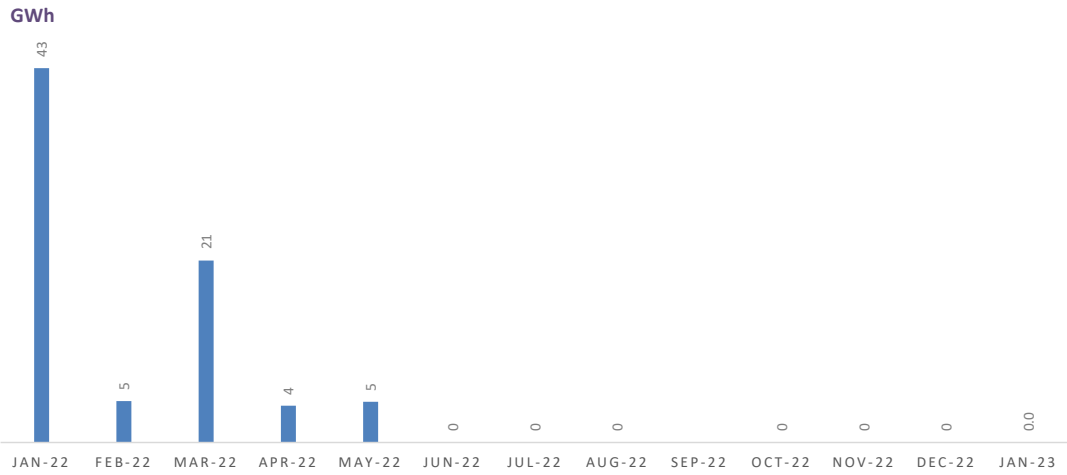
GWh



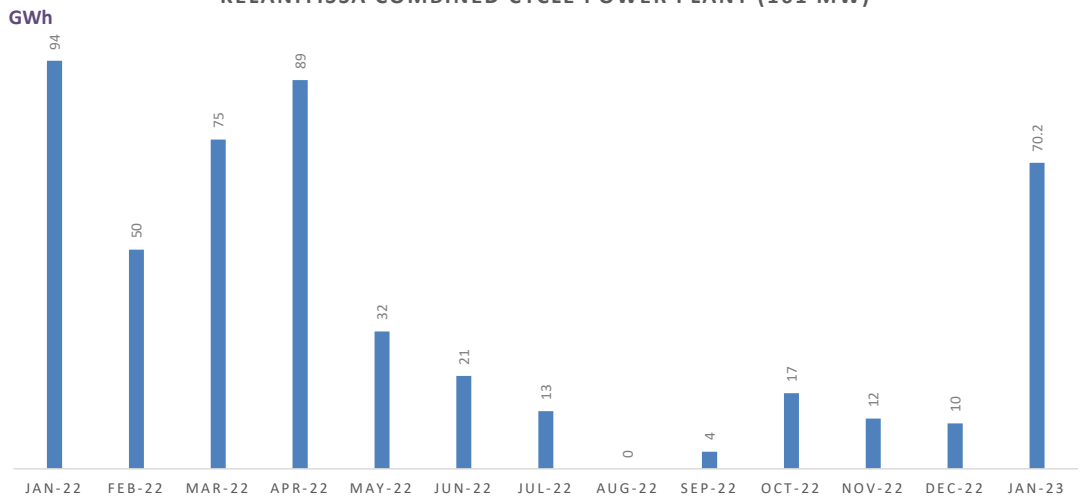
**KELANITISSA SMALL GAS TURBINES (4 × 16 MW)**



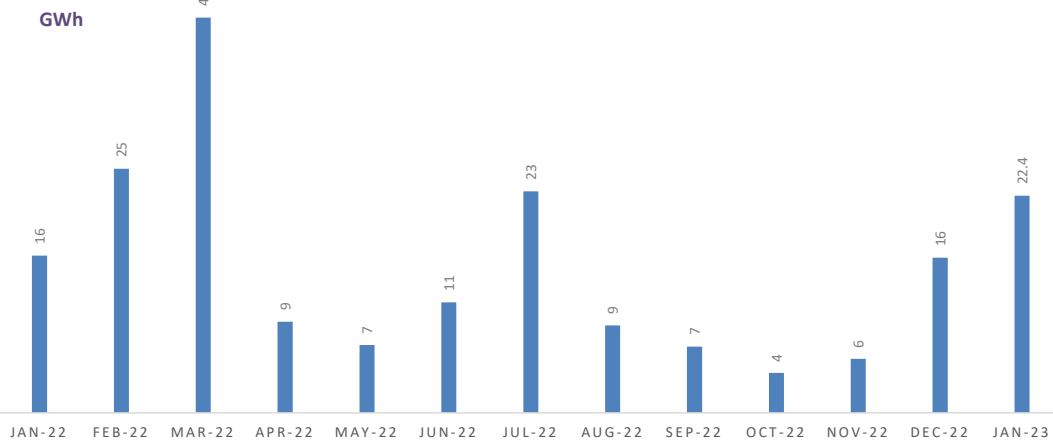
**KELANITISSA GT 7 (115 MW)**



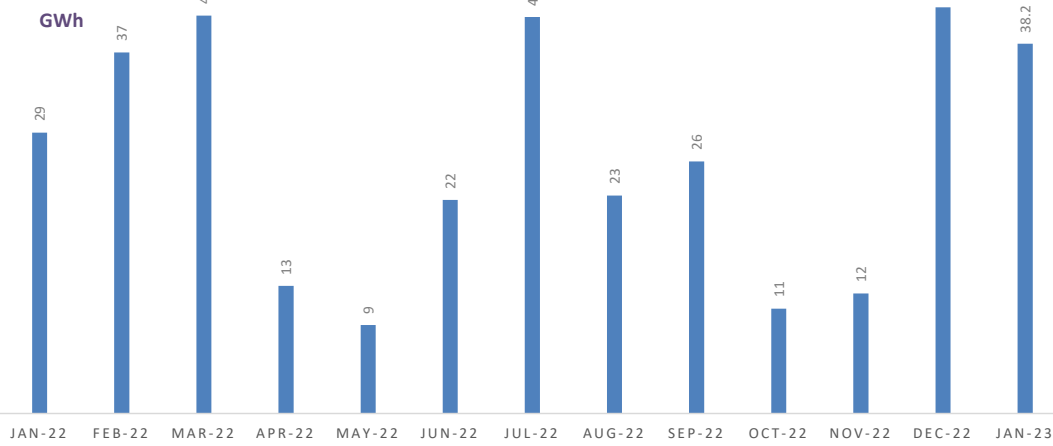
**KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)**



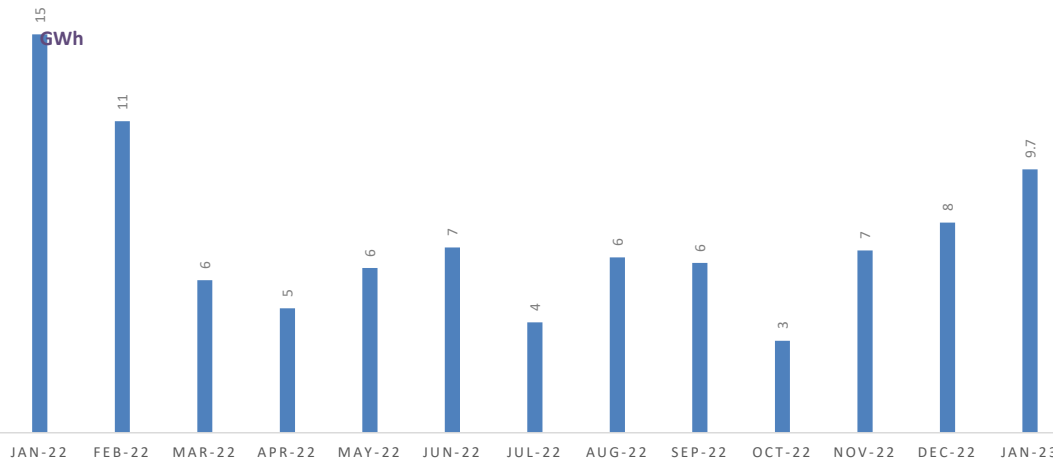
### SAPUGASKANDA - A POWER STATION (80 MW)



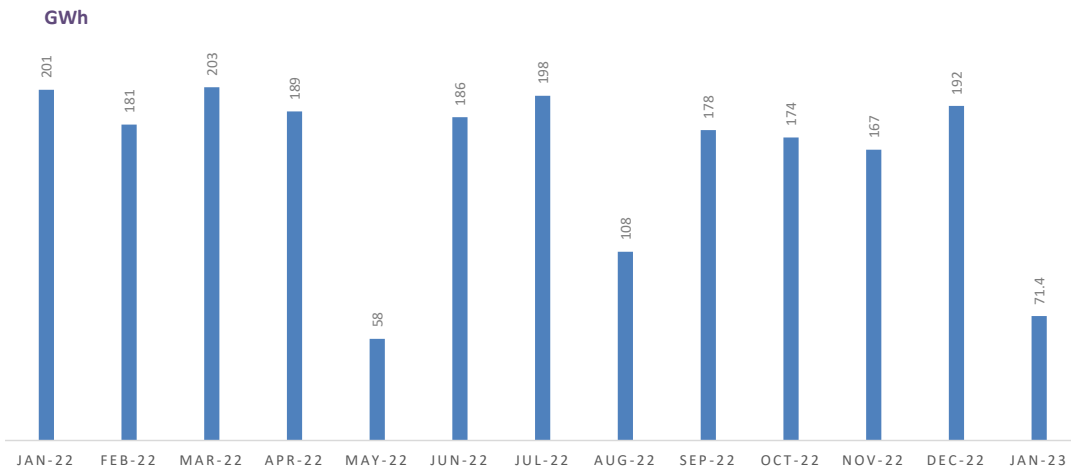
### SAPUGASKANDA - B POWER STATION (80 MW)



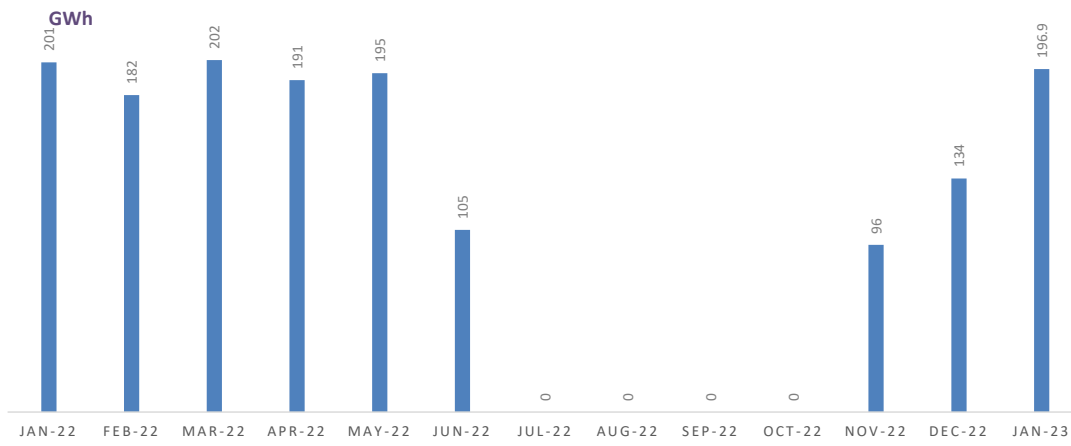
### UTHURU JANANEE POWER STATION (26 MW)



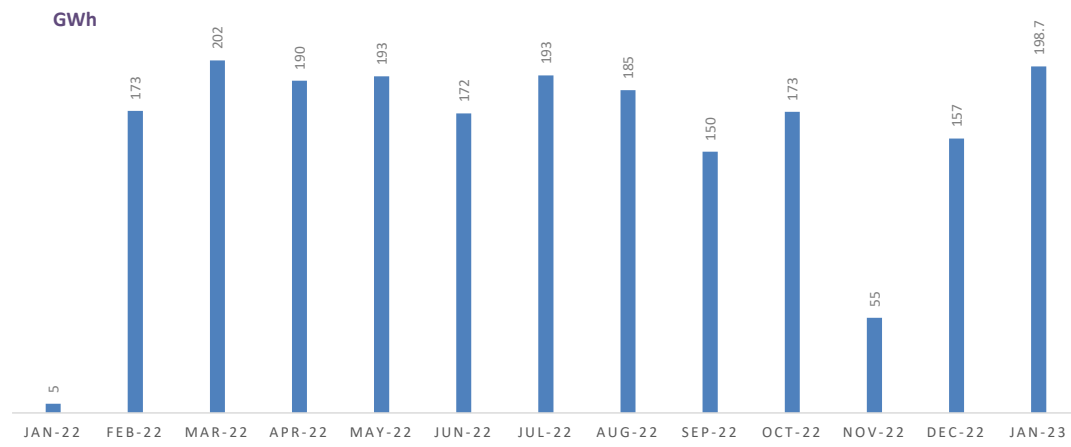
### LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



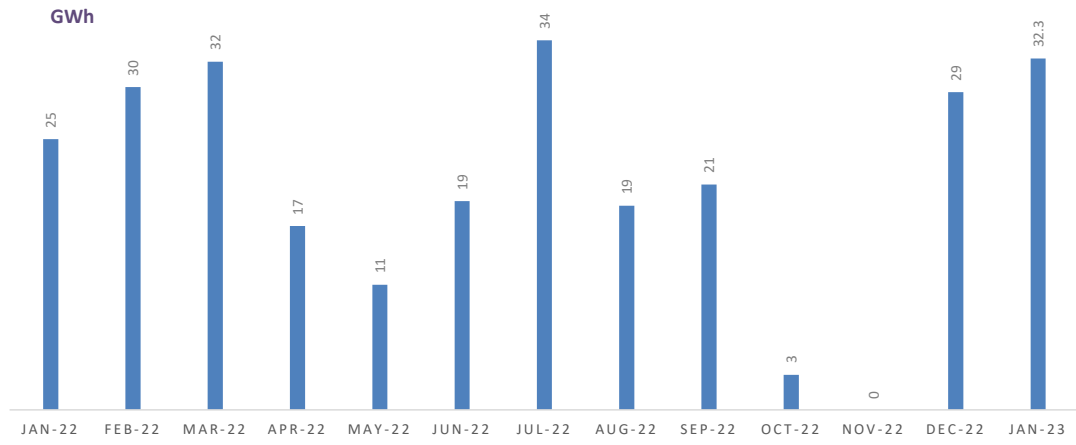
### LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



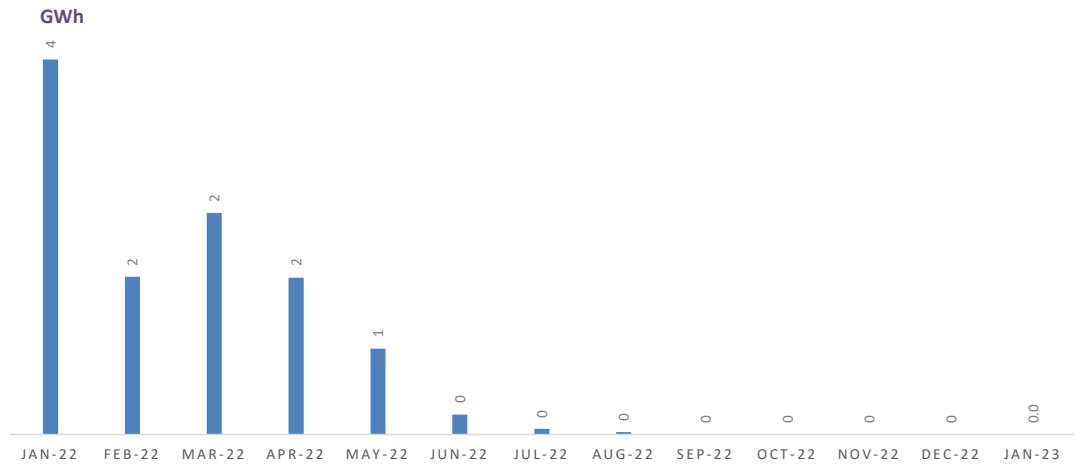
### LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



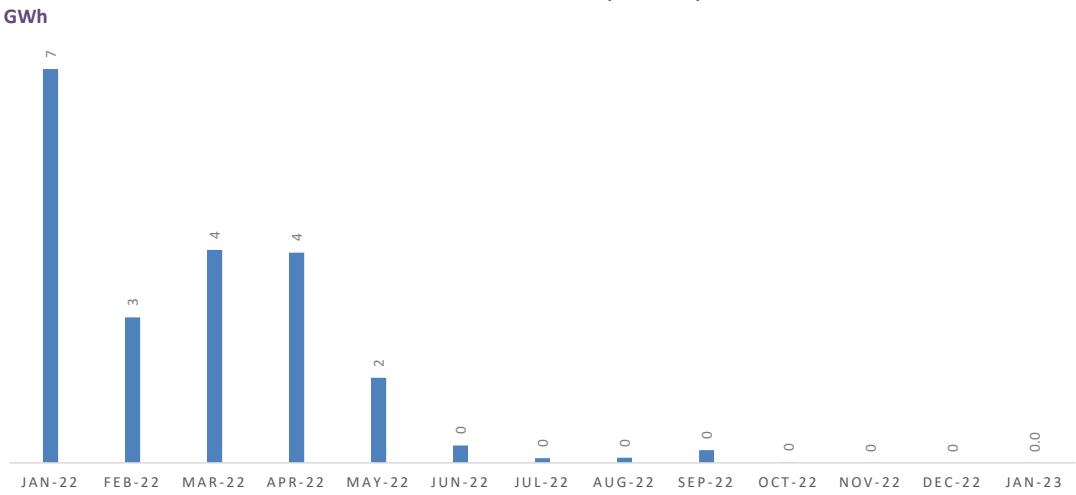
### BARGE POWER STATION - CEB (60 MW)



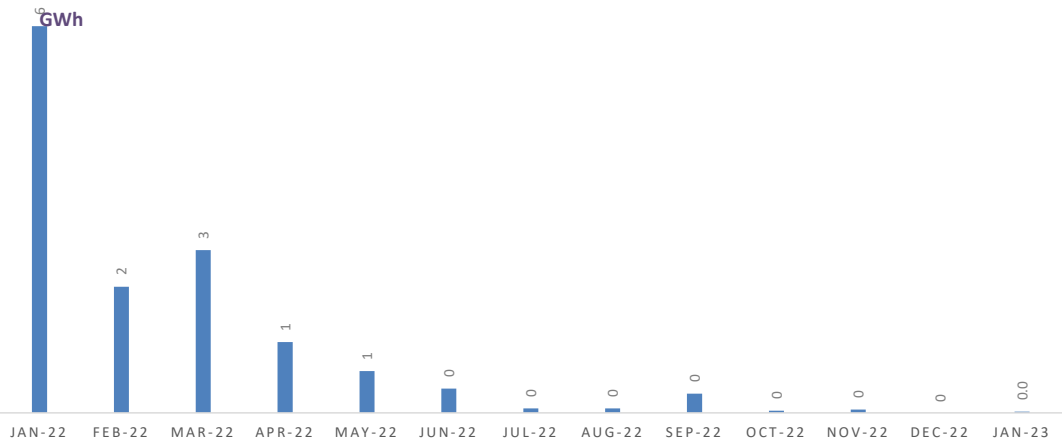
### THULHIRIYA - CEB (10 MW)



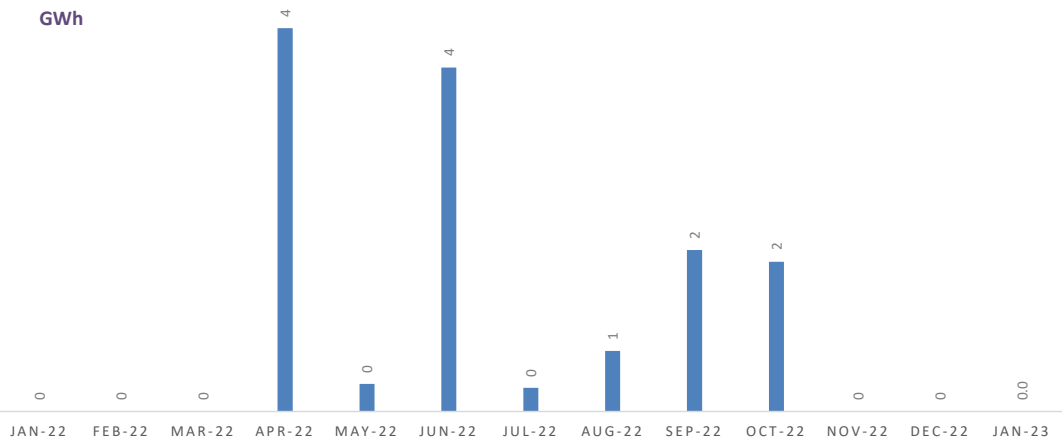
### KOLONNAWA - CEB (20 MW)



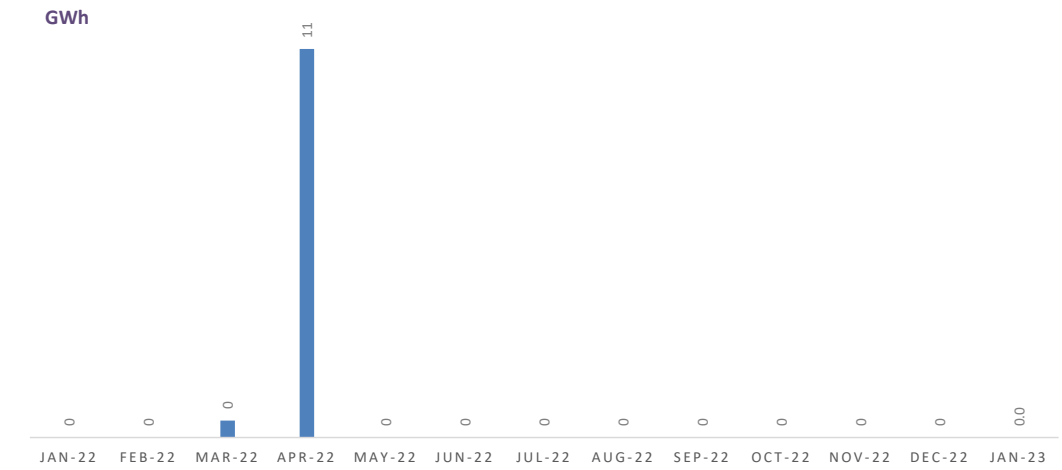
### MATHUGAMA - CEB (20 MW)



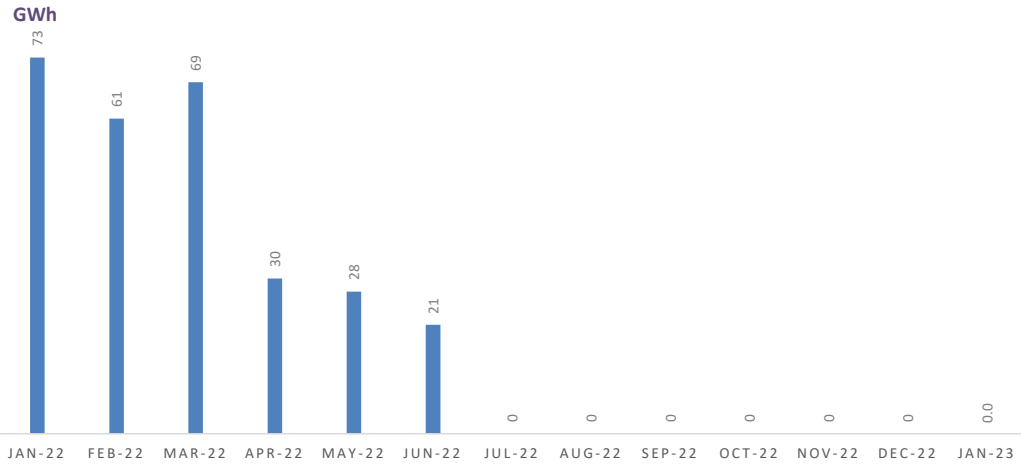
### ACE MATARA POWER STATION (24 MW)



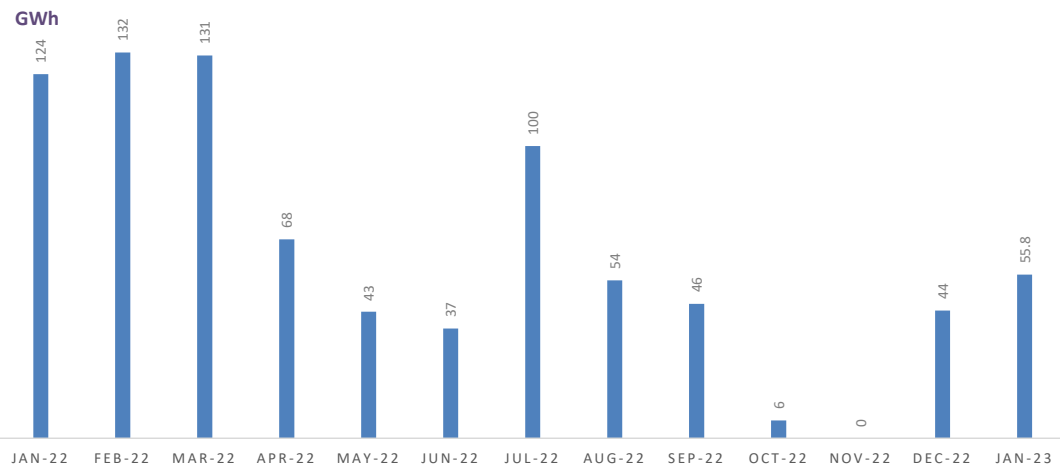
### ASIA POWER STATION (51 MW)



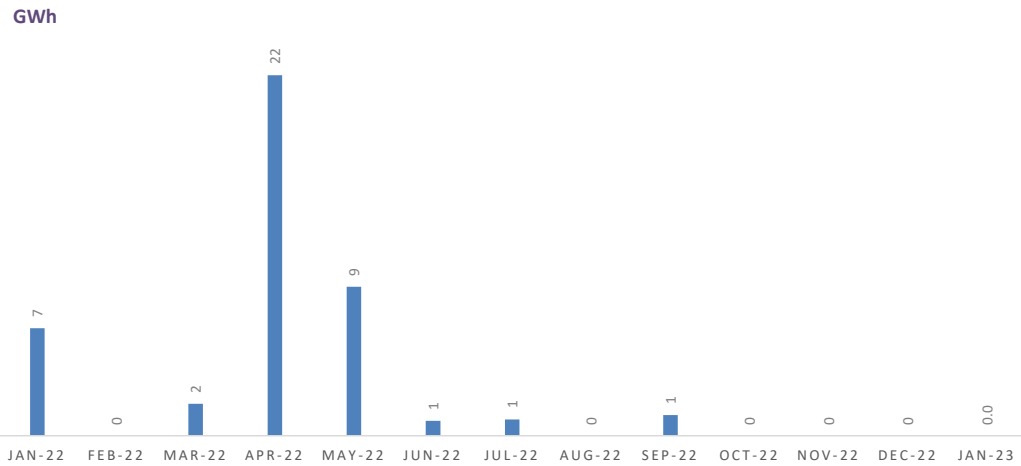
### SOJITZ KELANITHISSA POWER STATION (163 MW)



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



### ACE EMBILIPITIYA POWER STATION (93 MW)





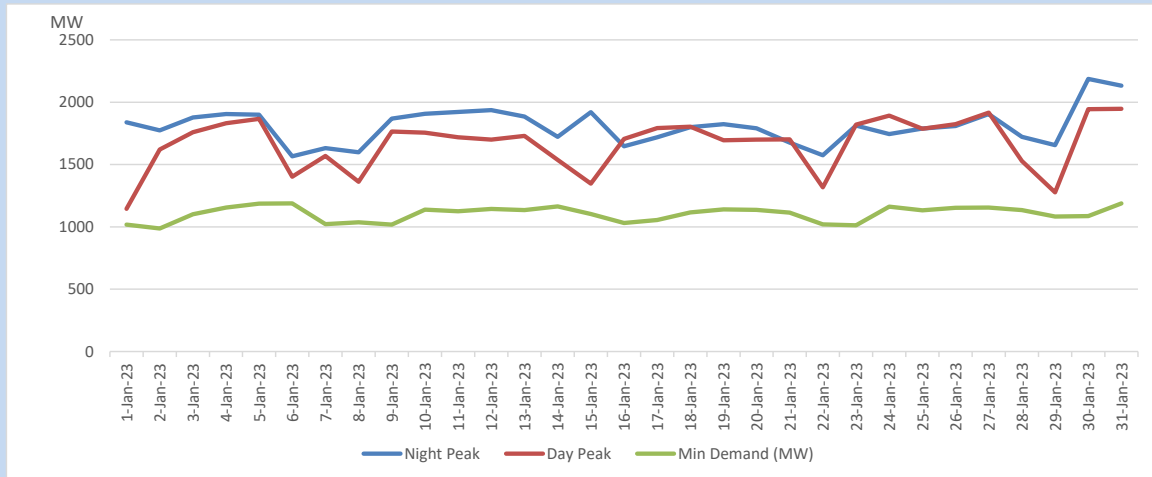
### 3 Peak Demand

During the month;

Highest Peak Demand	2,187 MW on	30-Jan
Lowest Peak Demand	1,566 MW on	6-Jan
Highest Day Peak Demand	1,945 MW on	30-Jan
Minimum Demand	987 MW on	2-Jan

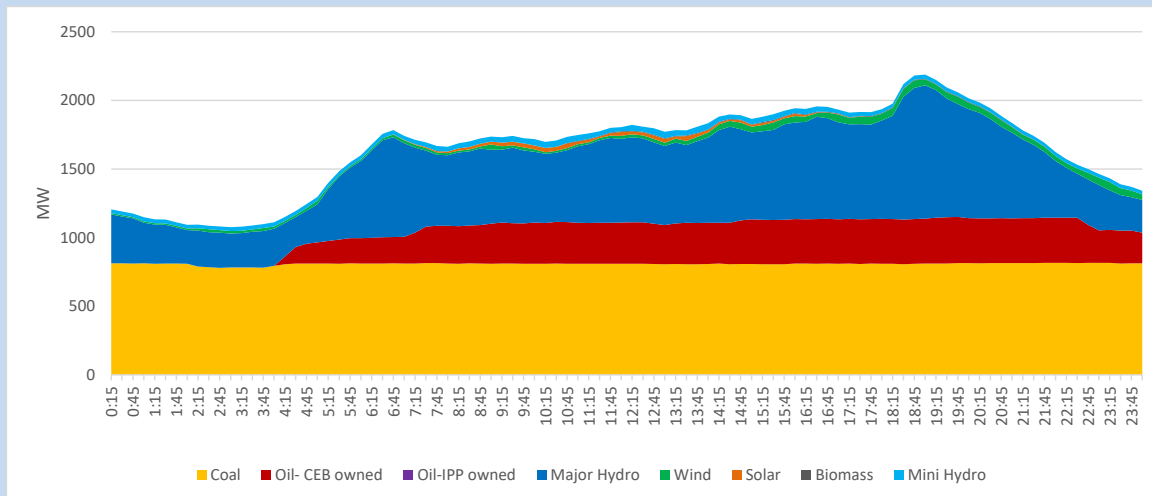
\*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

#### 3.1 Demand Variation During the year

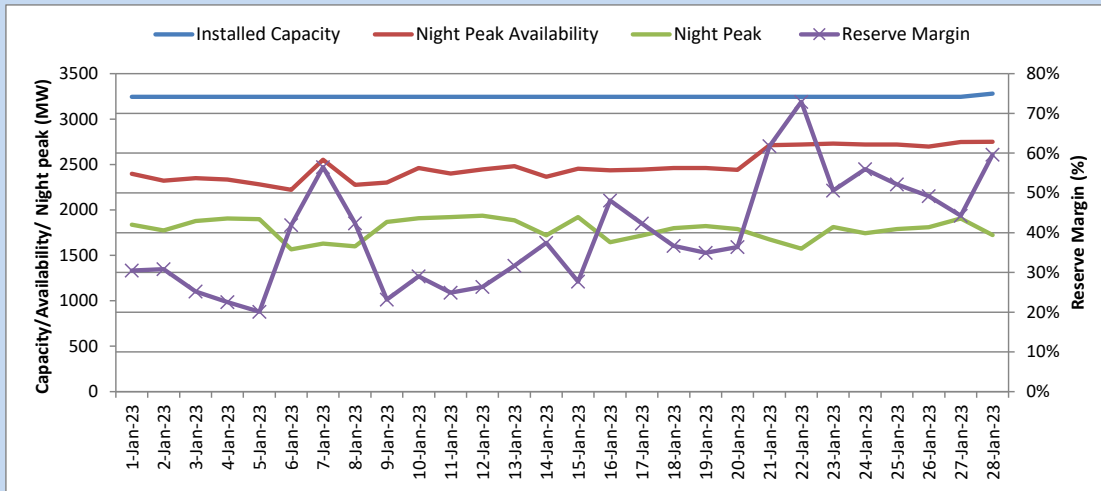


#### 3.2 Load Curve of the Day with Highest Night Peak ,

30-Jan



### 3.3 Variation of Reserve Margin During Night Peak

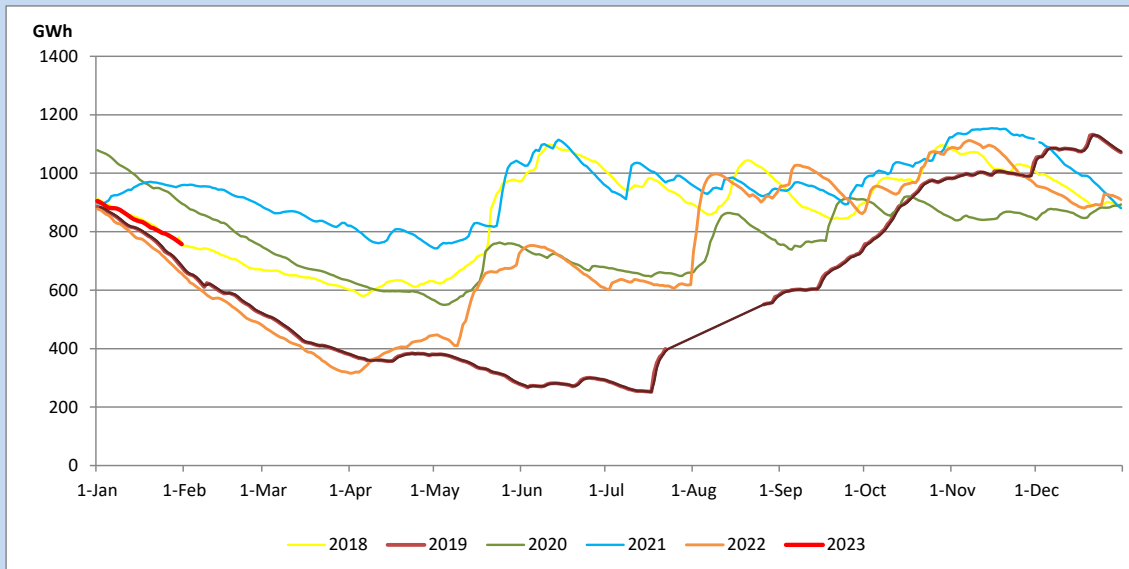


Note: Contribution from NCRE plants is not included

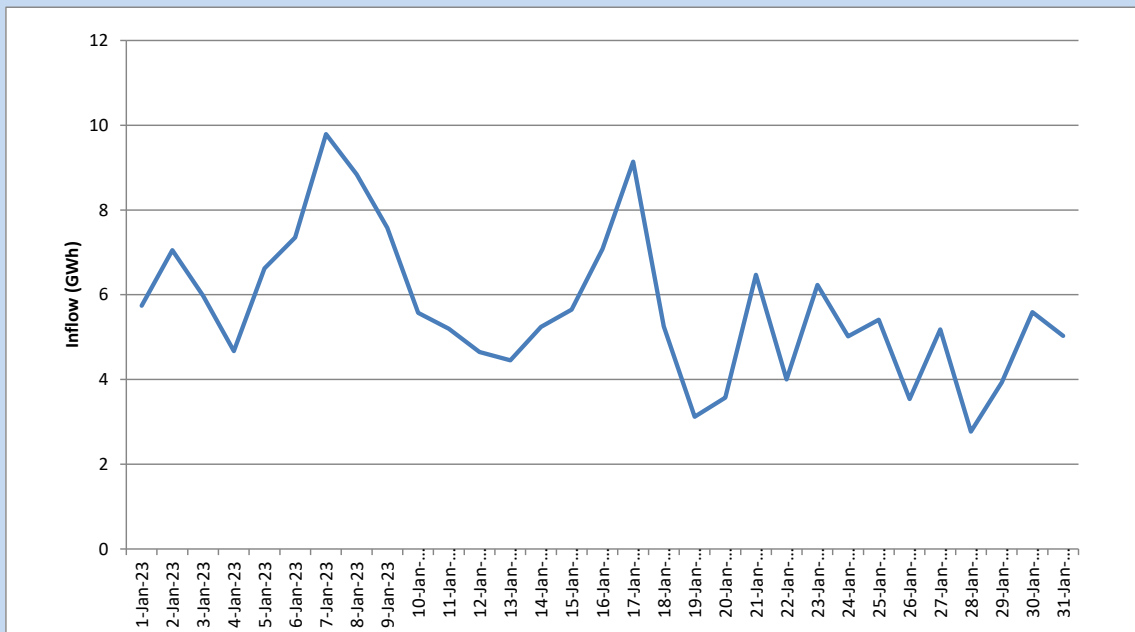
## 4 Reservoir Statistics

Total Reservoir level at the beginning of the month	910 GWh
Total Reservoir level at the end of the month	757 GWh
Total Inflow	176 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

