

# Monthly Generation Report

**May-22**

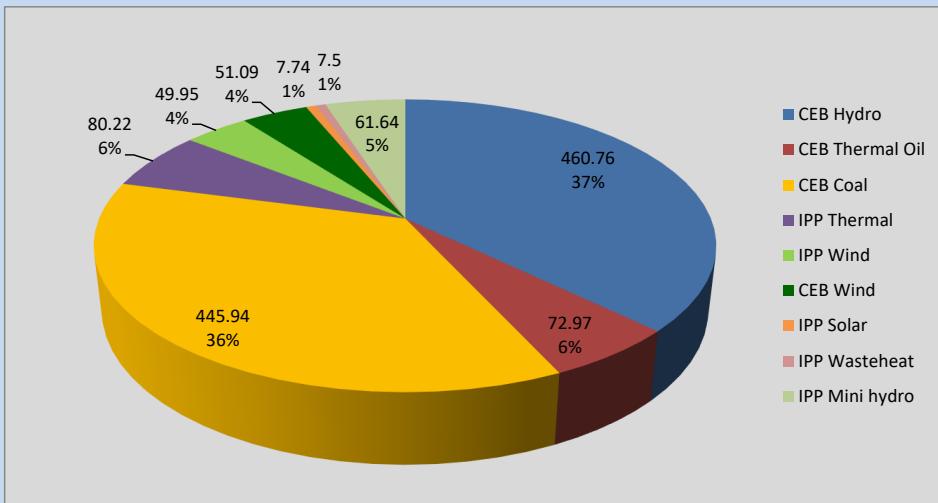


PUBLIC UTILITIES COMMISSION OF SRI LANKA

# 1 Generation Mix

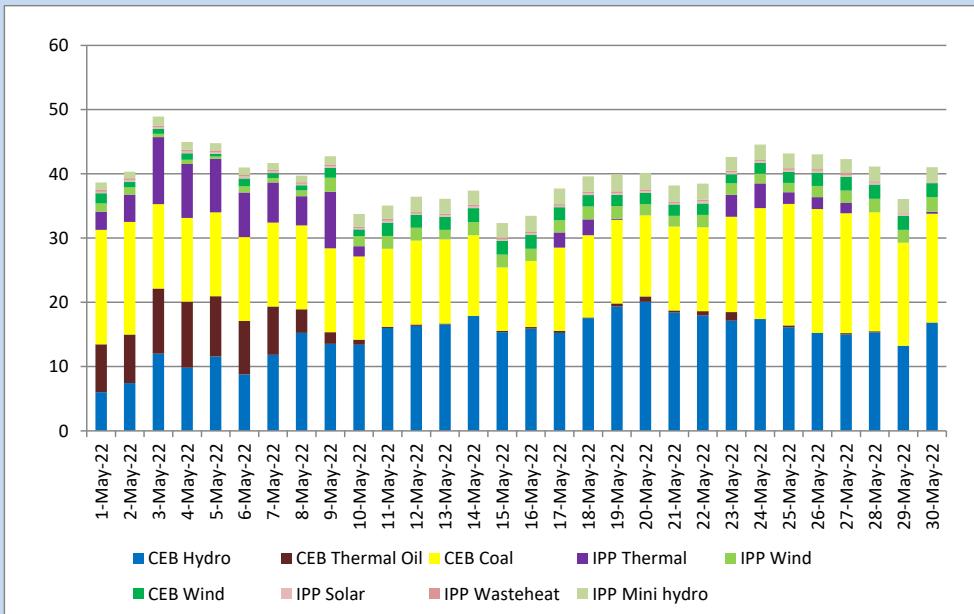
## 1.1 Monthly Generation Mix in GWh

May-22



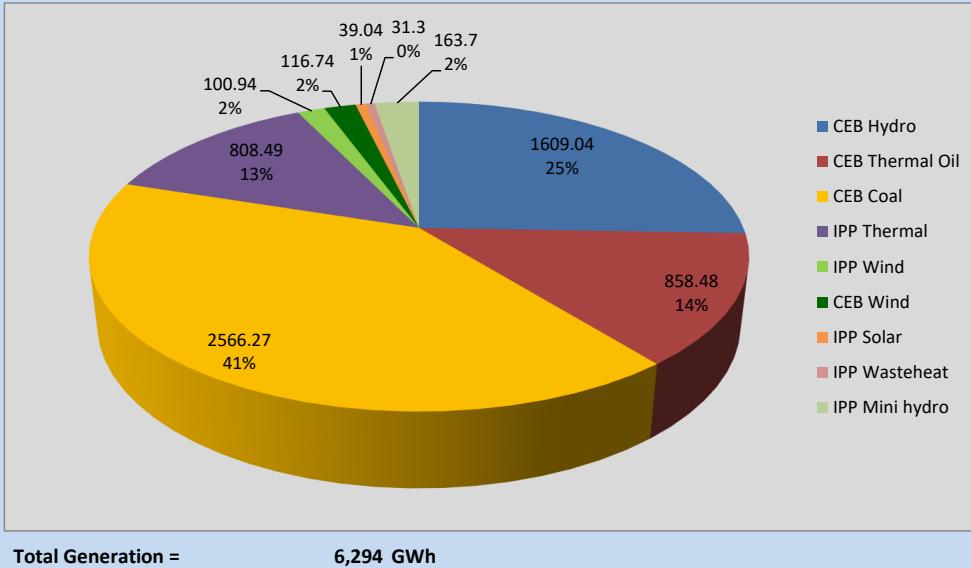
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

## 1.2 Variation of Daily Generation Mix during the month



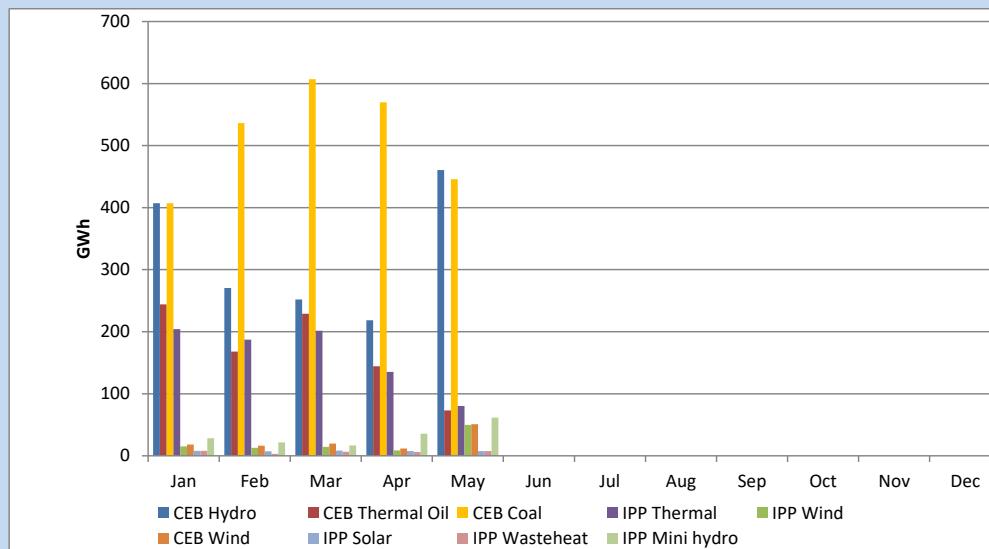
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

### 1.3 Annual Cumulative Generation



Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

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



Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants.

## 2 Major Plant Dispatch

### 2.1 Dispatch from all Generation Major Plants in

May-22

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	10,294	27.7%
Old Laxapana	54	33,991	84.6%
Canyon	60	9,481	21.2%
New Laxapana	100	49,543	66.6%
Polpitiya	90	50,421	75.3%
Broadlands	35	2,849	10.9%
Kotmale	201	45,600	30.5%
Victoria	225	35,581	21.3%
Randenigala	114	30,821	36.3%
Rantambe	50	14,325	38.5%
Ukuwela	37	15,643	56.8%
Bowatenna	40	2,402	8.1%
Upper Kotmale	150	50,990	45.7%
Nilambe	3	1,043	46.7%
Samanalawewa	120	43,205	48.4%
Kukule	75	50,007	89.6%
Inginiyagala	11	2,548	31.1%
Udawalawe	6	2,212	49.6%
Puttalam Coal I	270	58,363	29.1%
Puttalam Coal II	270	194,573	96.9%
Puttalam Coal III	270	192,978	96.1%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	4,664	5.5%
KCCP	161	31,514	26.3%
Sapugaskanda A	70	7,002	13.4%
Sapugaskanda B	70	9,132	17.5%
Uthura Janani	26	6,047	31.3%
Barge CEB	60	11,486	25.7%
CEB - Thulhiriya	10	888	11.9%
CEB - Kolonnawa	20	1,562	10.5%
CEB - Mathugama	20	672	4.5%
ACE Matara	24	285	1.6%
Asia Power	51	0	0.0%
Sojitz Kelanitissa	163	27,727	22.9%
West Coast	270	43,130	21.5%
ACE Embilipitiya	93	9,076	13.1%

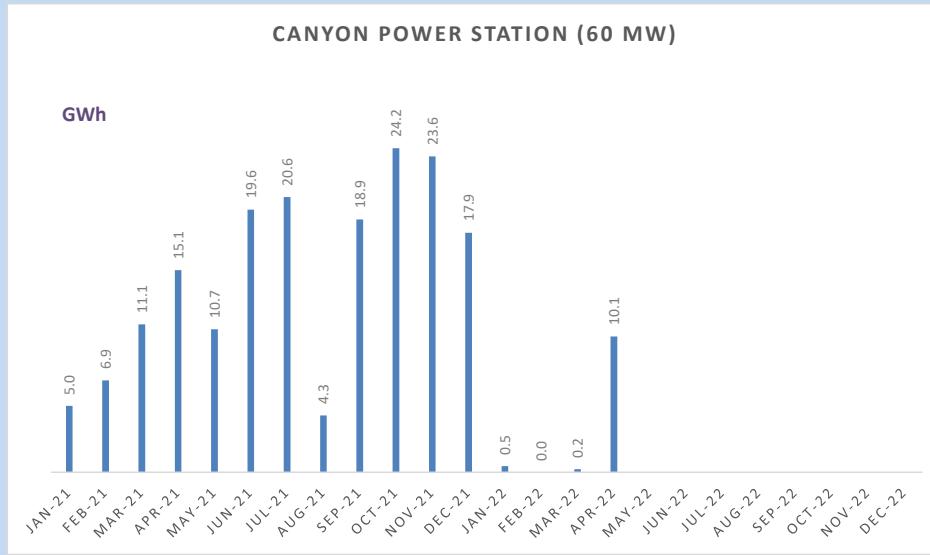
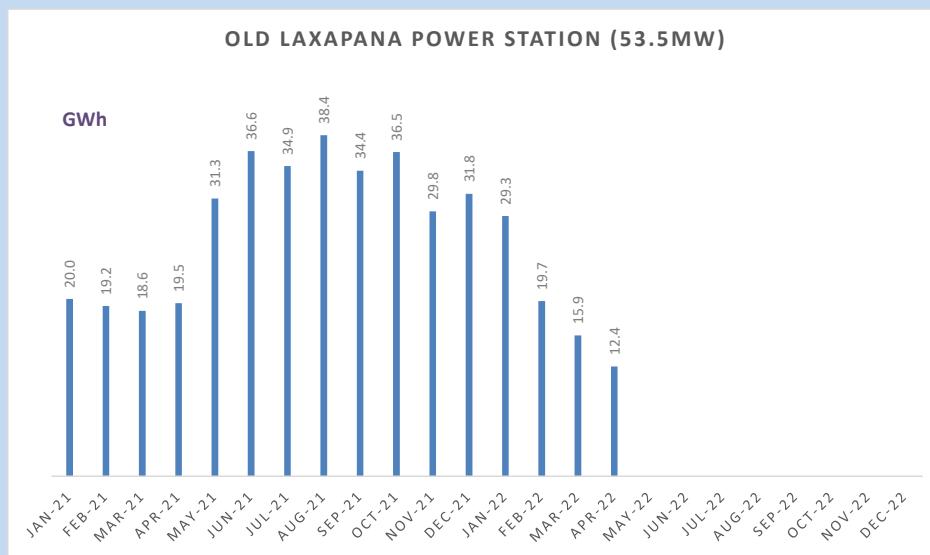
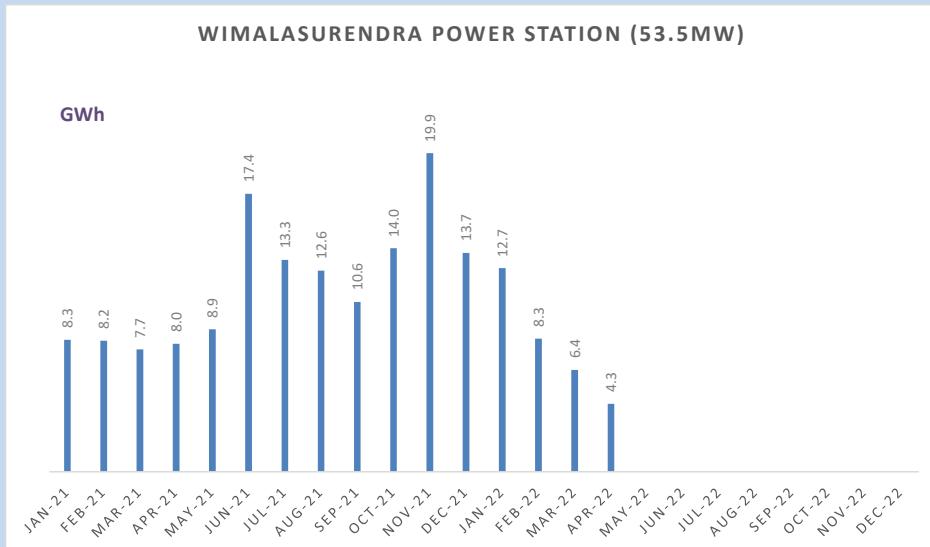
## 2.2 Running Plant Factors of Major Plants in

May-22

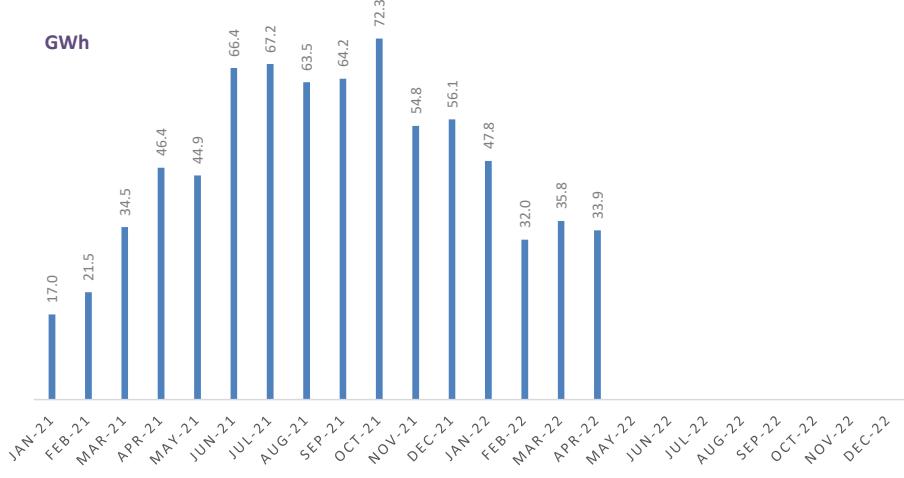
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

Power Station	Availability (GWh)	Generation (GWh)	Running PF (%)
Wimalasurendra	18.6	10.3	55.3%
Old Laxapana	40.2	34.0	84.6%
Canyon	44.6	9.5	21.2%
New Laxapana	74.4	49.5	66.6%
Polpitiya	67.0	50.4	75.3%
Broadlands	4.6	2.8	61.7%
Kotmale	102.0	45.6	44.7%
Victoria	153.0	35.6	23.3%
Randenigala	84.8	30.8	36.3%
Rantambe	37.2	14.3	38.5%
Ukuwela	26.8	15.6	58.4%
Bowatenna	29.8	2.4	8.1%
Upper Kotmale	111.6	51.0	45.7%
Nilambe	1.5	1.0	70.1%
Samanalawewa	89.3	43.2	48.4%
Kukule	55.8	50.0	89.6%
Inginiyagala	3.8	2.5	67.2%
Udawalawe	1.5	2.2	148.7%
Puttalam Coal I	87.4	58.4	66.8%
Puttalam Coal II	200.9	194.6	96.9%
Puttalam Coal III	200.9	193.0	96.1%
KPS Small GTs	11.9	0.0	0.0%
KPS GT 7	82.8	4.7	5.6%
KCCP	108.5	31.5	29.1%
Sapugaskanda A	15.1	7.0	46.3%
Sapugaskanda B	10.4	9.1	88.1%
Uthura Janani	11.5	6.0	52.5%
Barge CEB	12.6	11.5	91.2%
CEB - Thulhiriya	4.5	0.9	19.5%
CEB - Kolonnawa	6.8	1.6	23.0%
CEB - Mathugama	6.7	0.7	10.1%
ACE Matara	1.2	0.3	24.7%
Asia Power	0.0	0.0	#DIV/0!
Sojitz Kelanitissa	104.7	27.7	26.5%
West Coast	200.9	43.1	21.5%
ACE Embilipitiya	11.1	9.1	81.7%

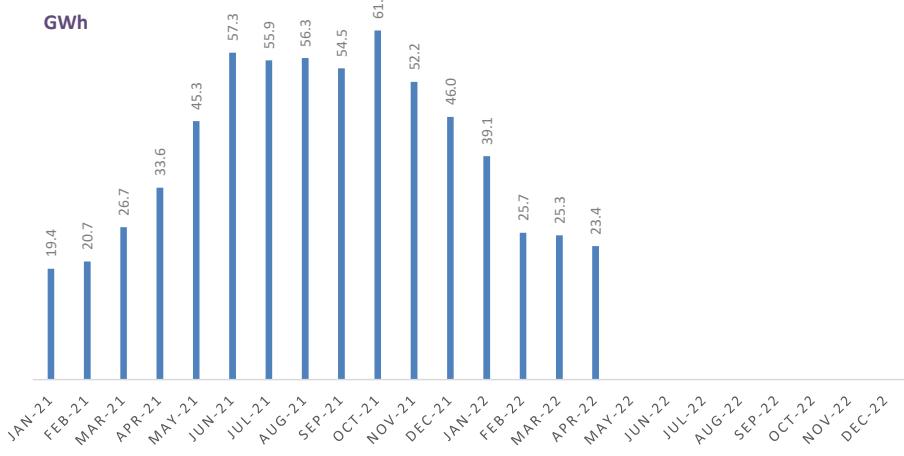
## 2.3 Generation of Major Power Plants From Last Year



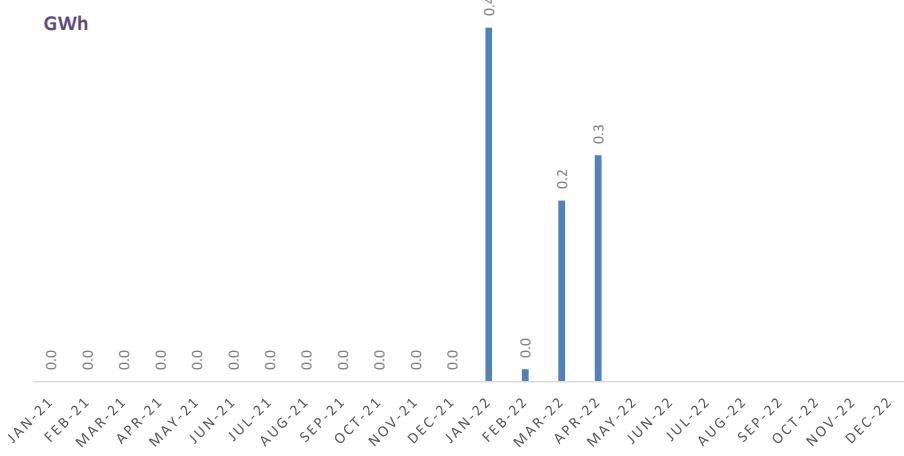
### NEW LAXAPANA POWER STATION (115 MW)



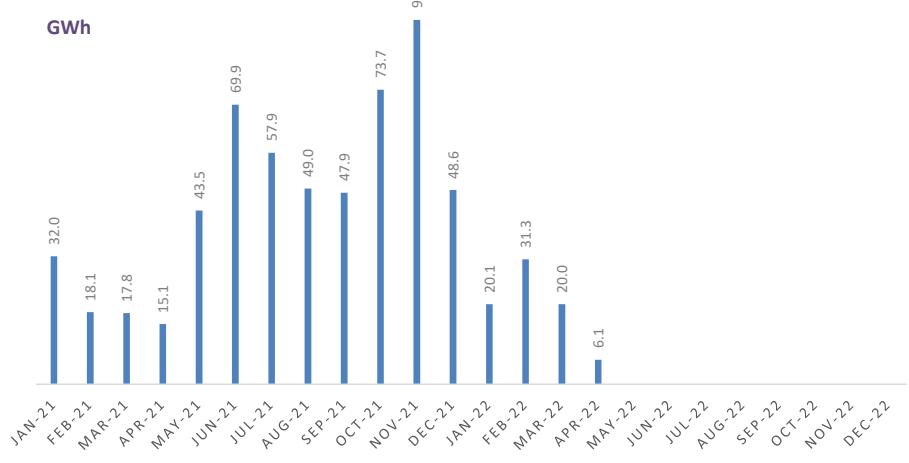
### POLPITIYA POWER STATION (90 MW)



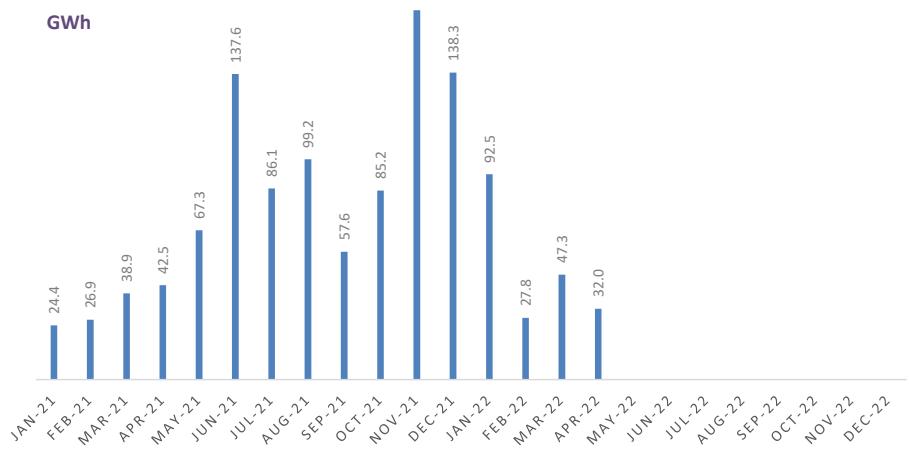
### BROADLANDS POWER STATION (35 MW)



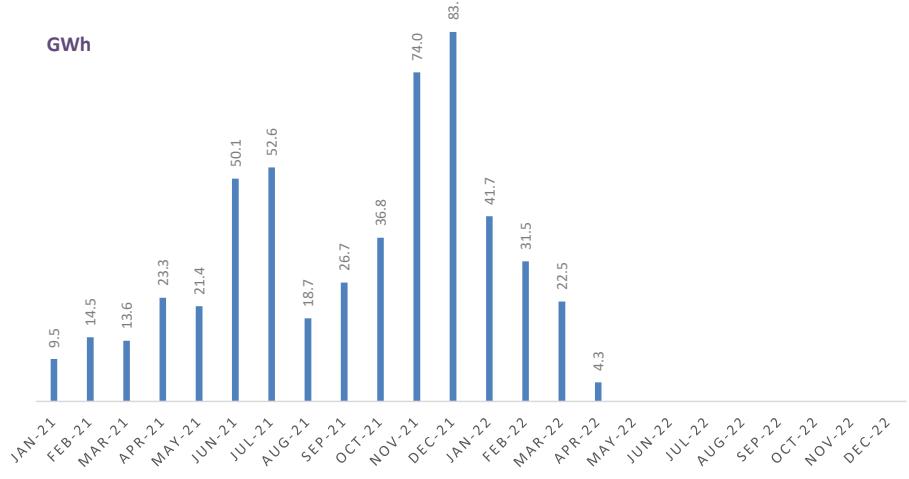
### KOTMALE POWER STATION (201 MW)



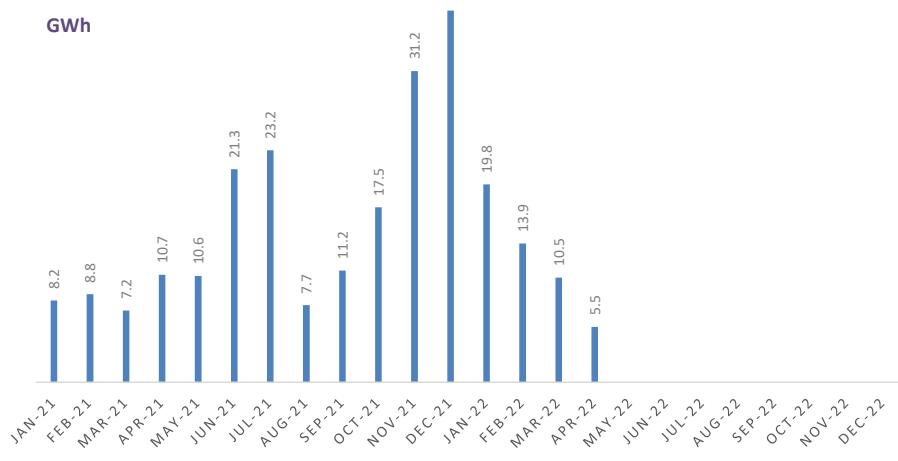
### VICTORIA POWER STATION (225 MW)



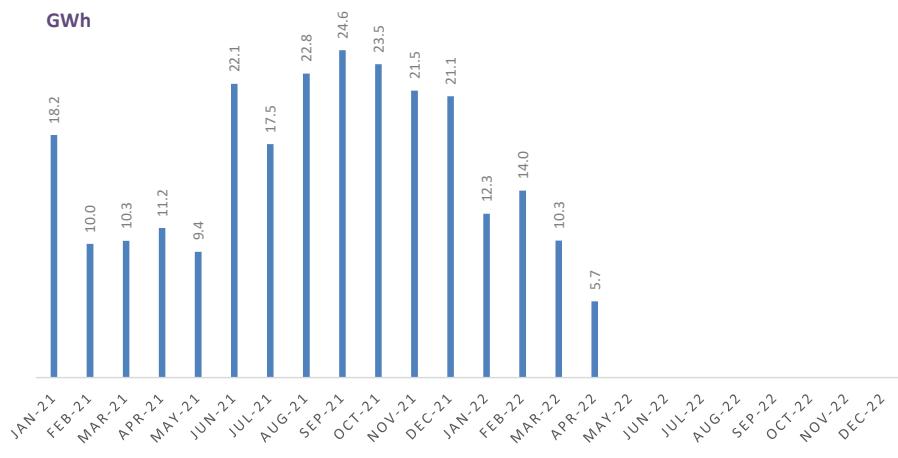
### RANDENIGALA POWER STATION (114 MW)



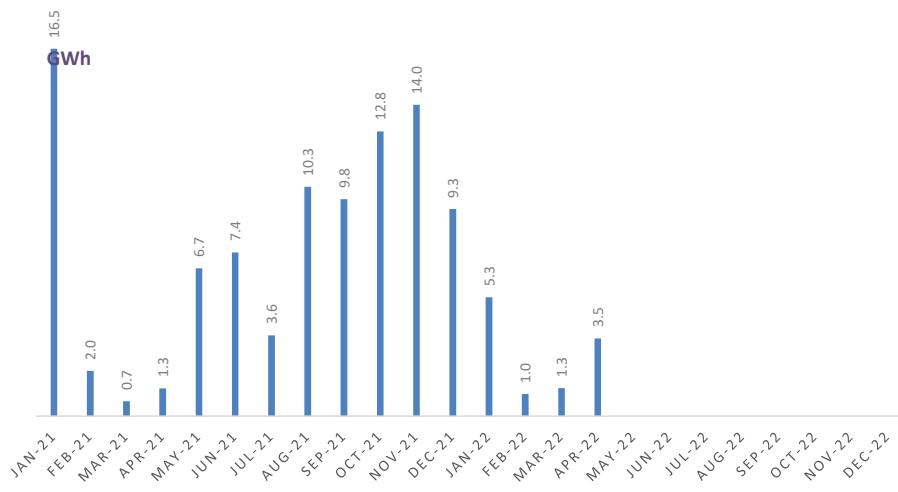
### RANTAMBE POWER STATION (50 MW)



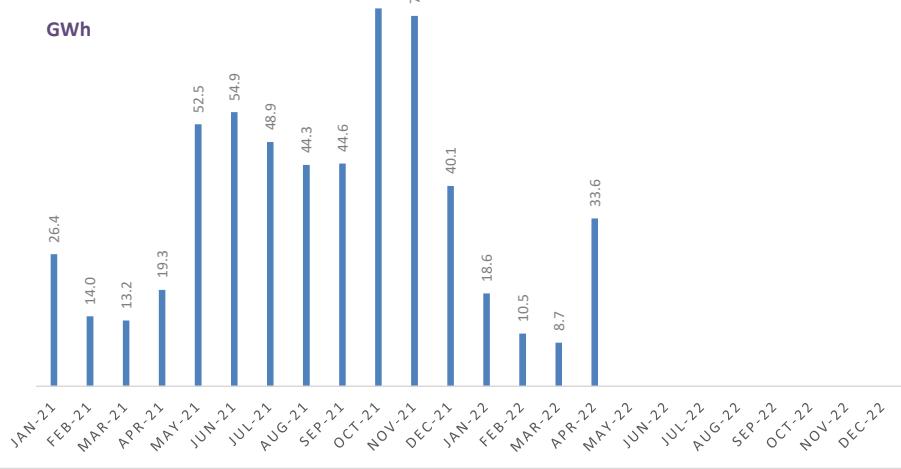
### UKUWELA POWER STATION (37 MW)



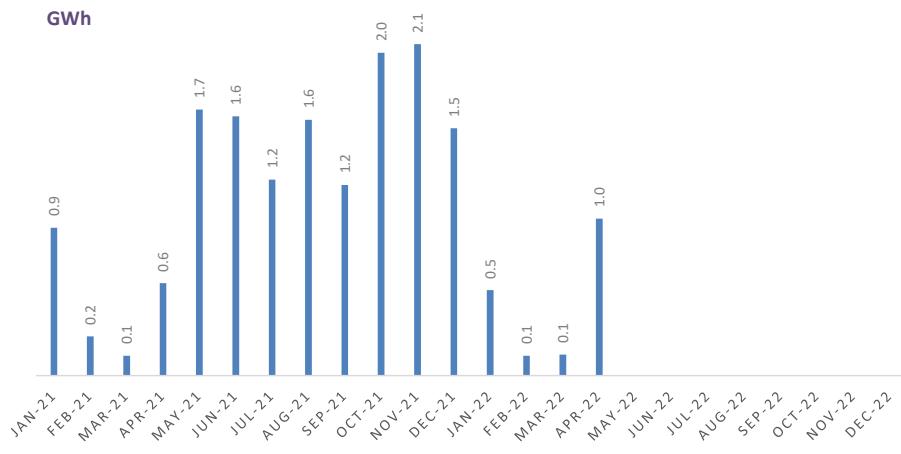
### BOWATHENNA POWER STATION (40 MW)



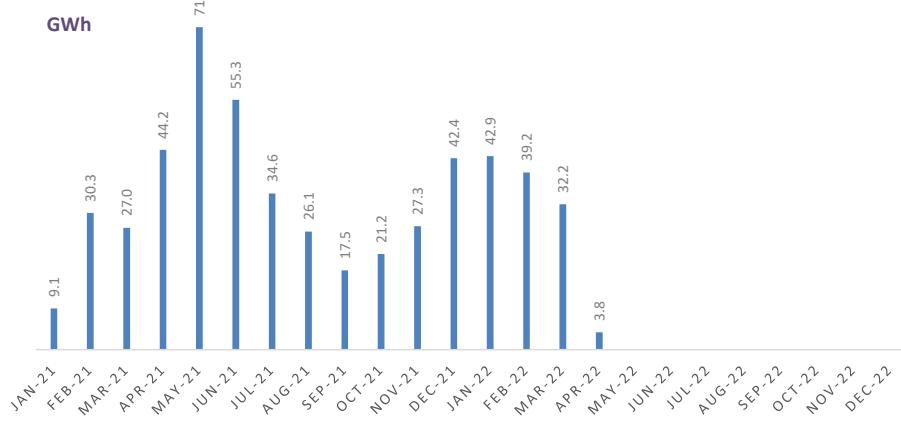
### UPPER KOTMATEL POWER STATION (150 MW)



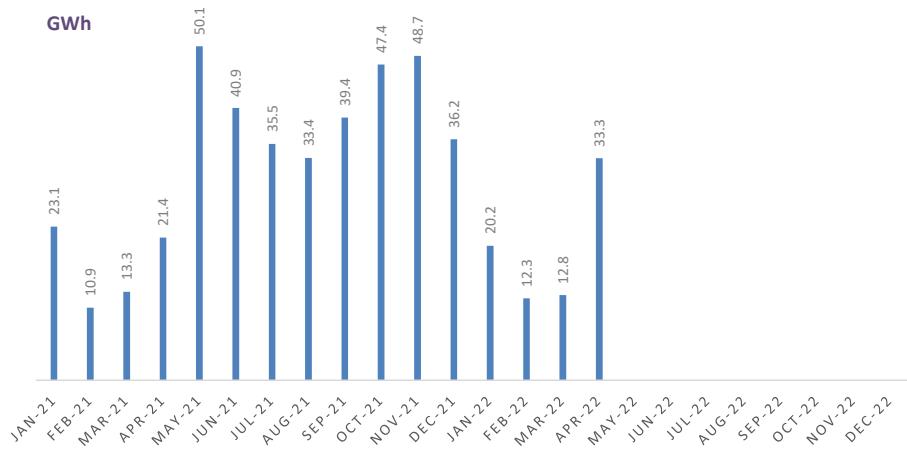
### NILLAMBE POWER STATION (3 MW)



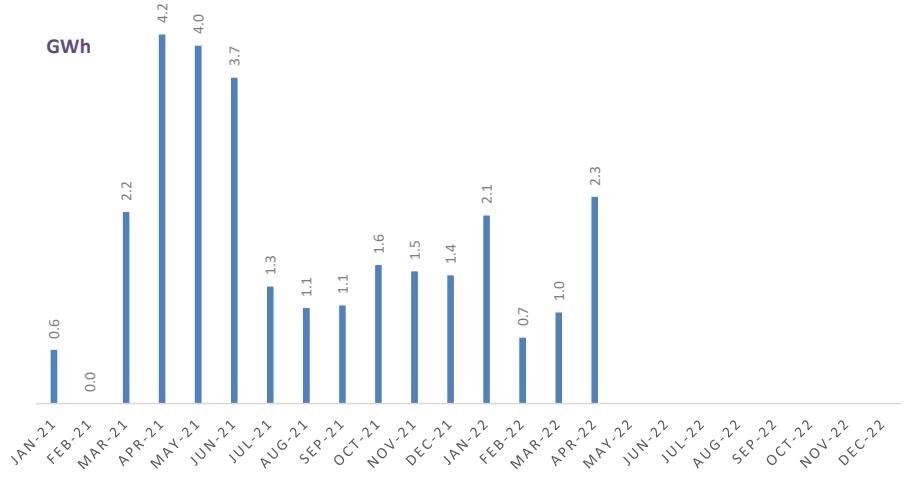
### SAMANALAWEWA POWER STATION (120 MW)



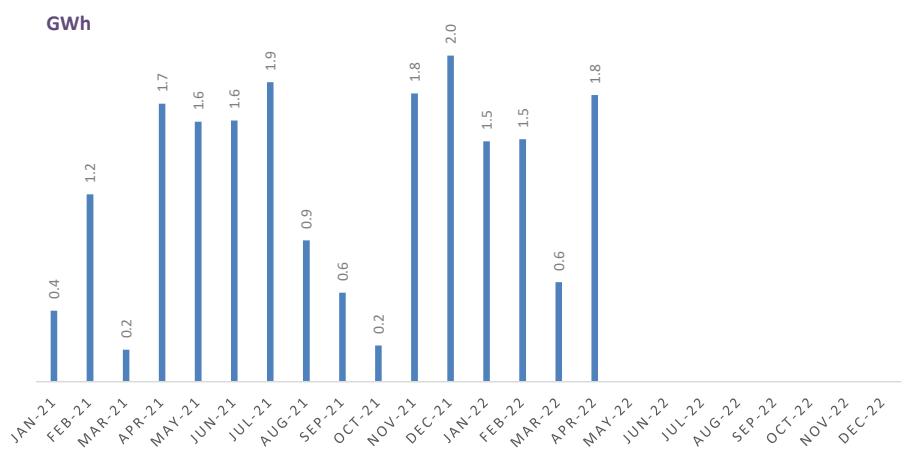
### KUKULE POWER STATION (75 MW)



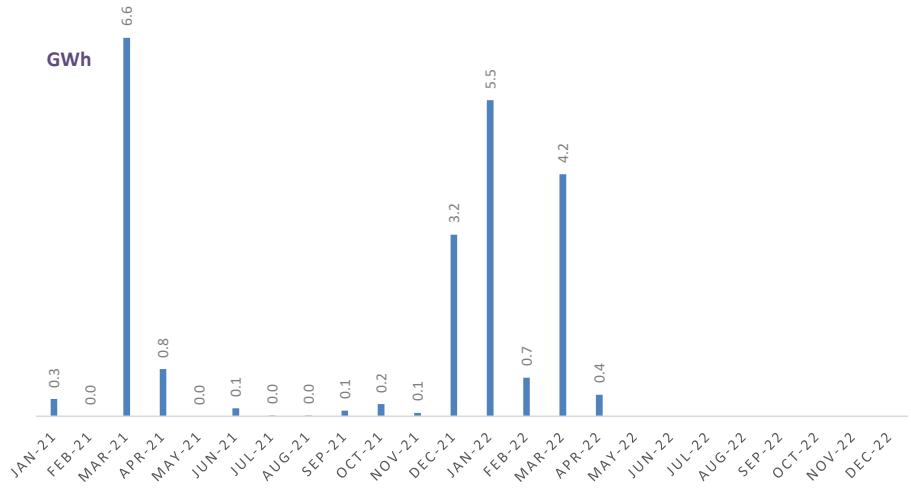
### INGINIWAGALA POWER STATION (11 MW)



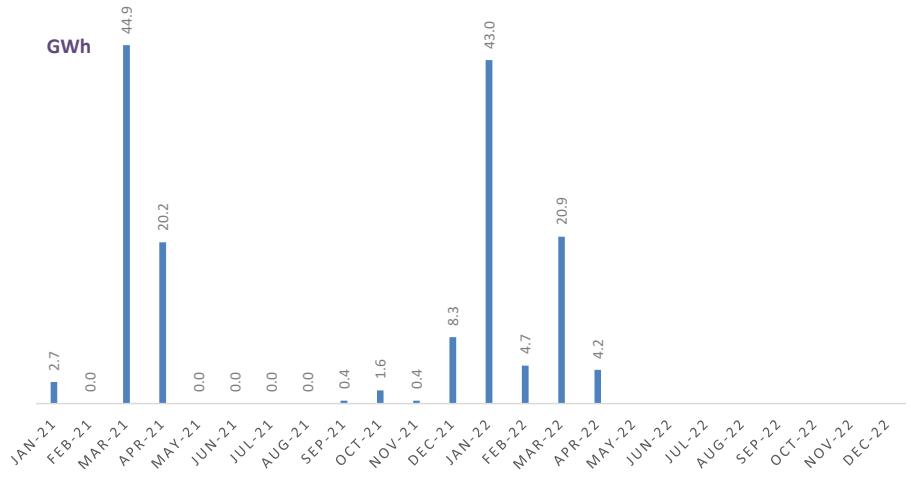
### UDAWALAWE POWER STATION (6 MW)



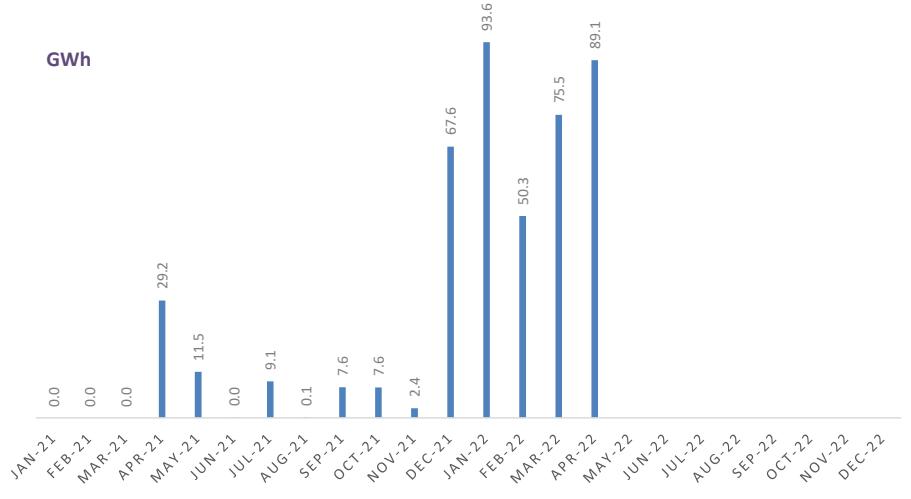
### KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



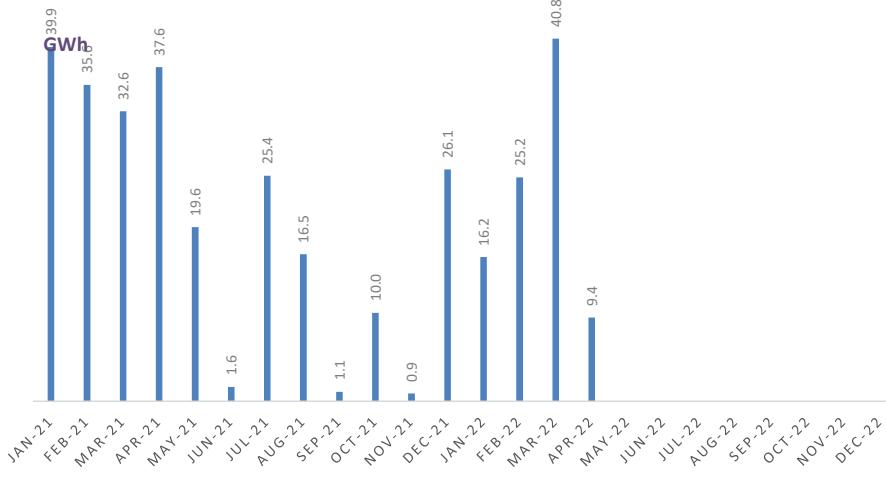
### KELANITISSA GT 7 (115 MW)



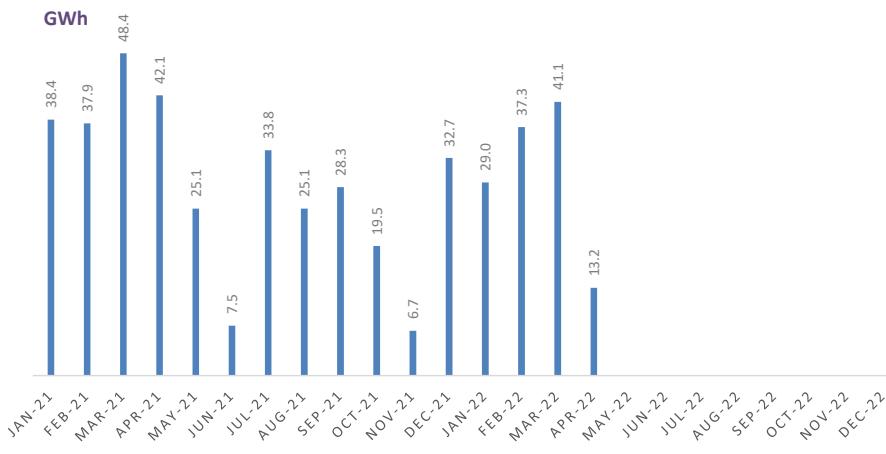
### KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



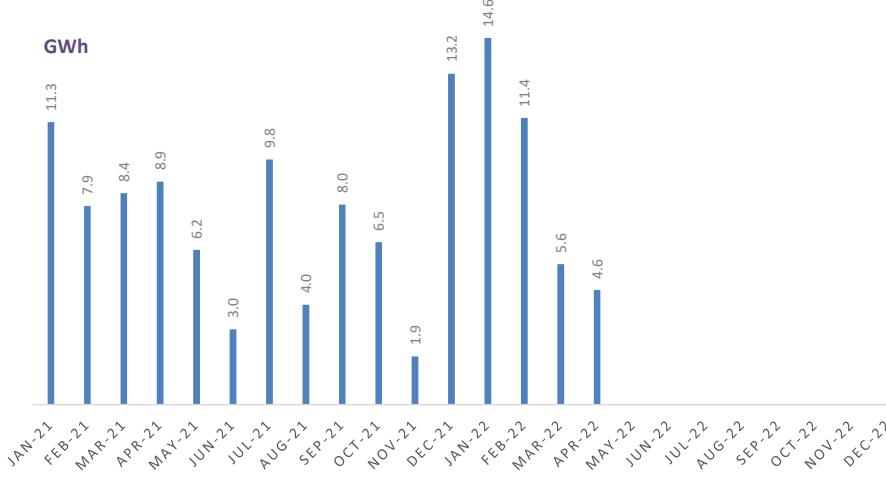
### SAPUGASKANDA - A POWER STATION (80 MW)



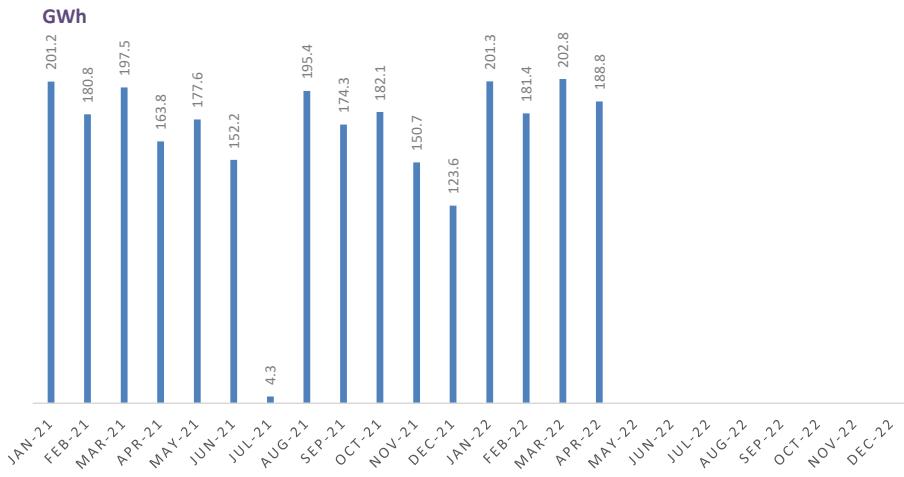
### SAPUGASKANDA - B POWER STATION (80 MW)



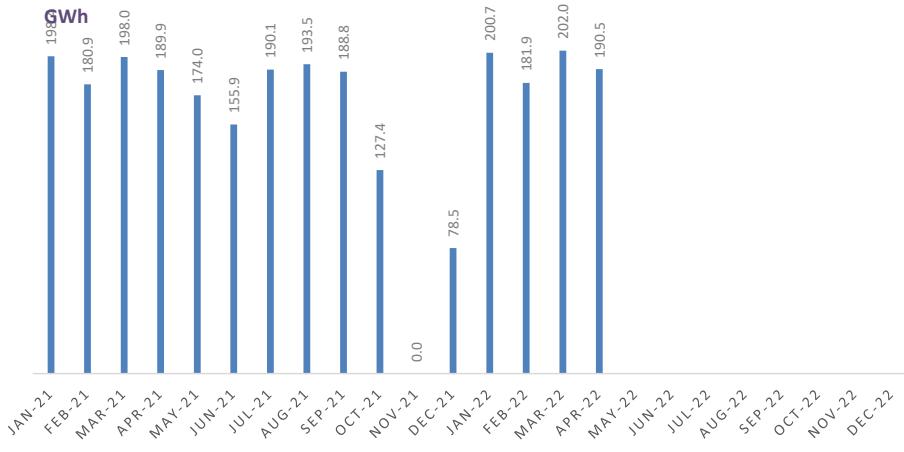
### UTHURU JANANEEL POWER STATION (26 MW)



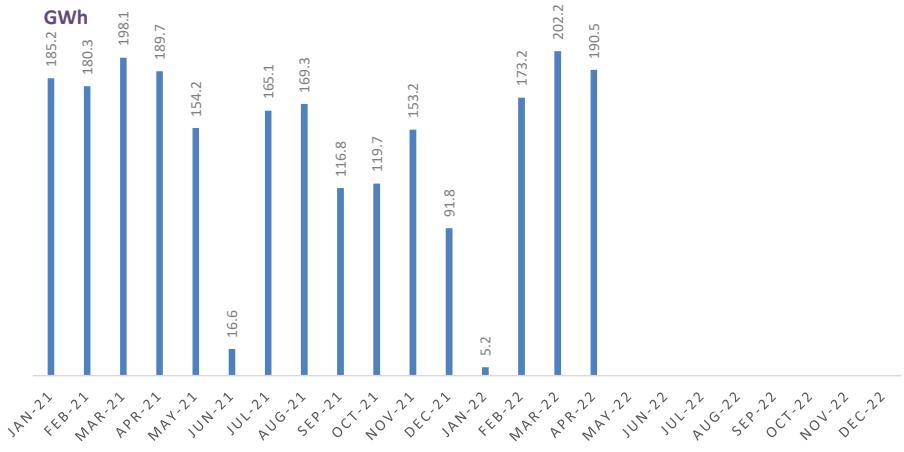
### LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



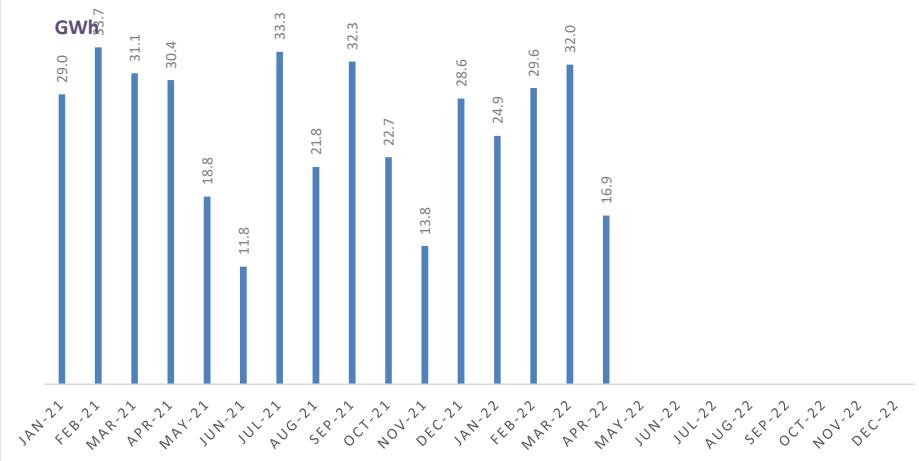
### LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



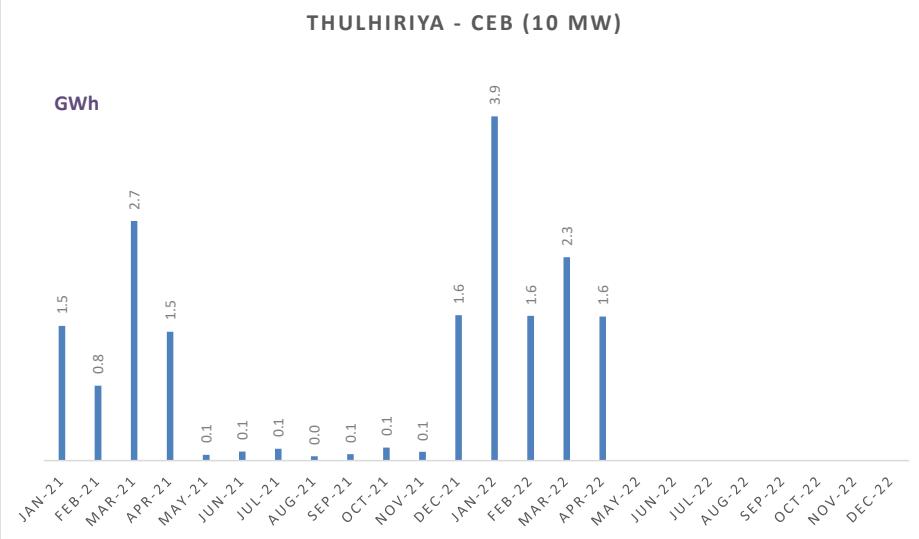
### LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



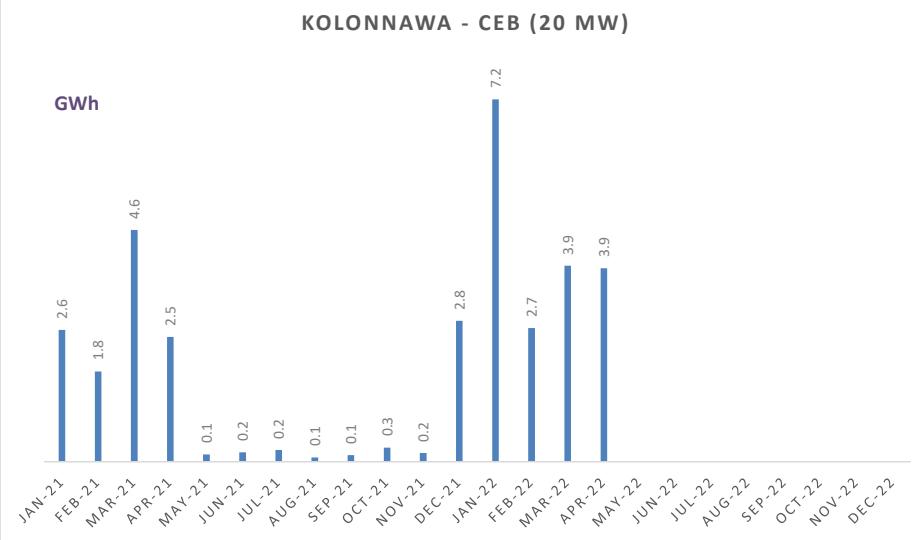
### BARGE POWER STATION - CEB (60 MW)



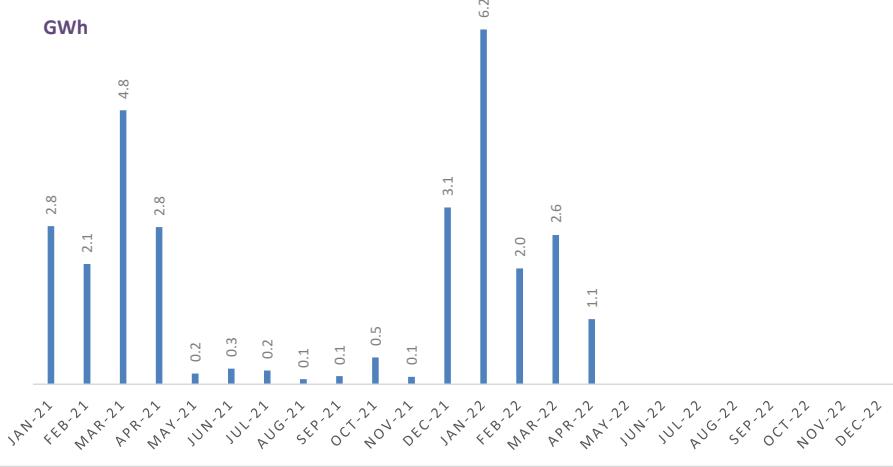
### THULHIRIYA - CEB (10 MW)



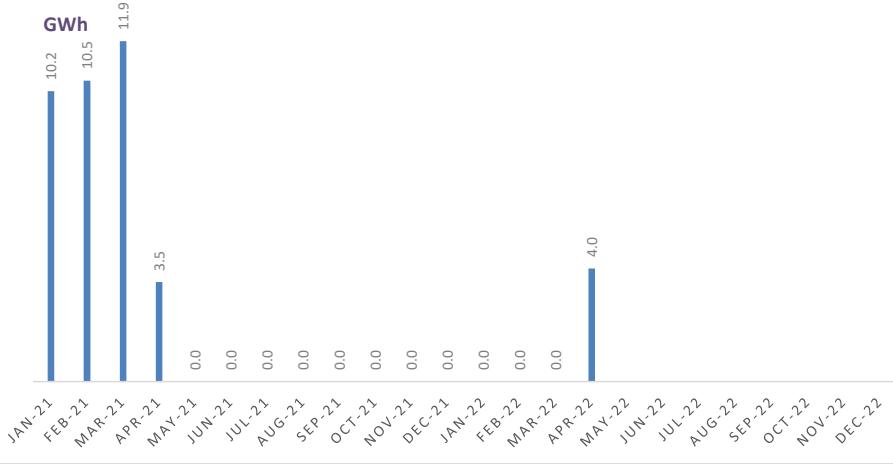
### KOLONNAWA - CEB (20 MW)



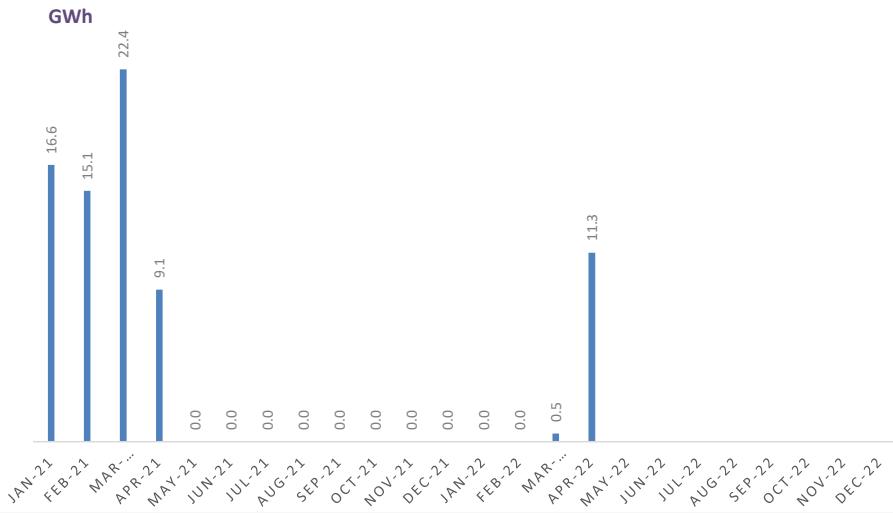
### MATHUGAMA - CEB (20 MW)

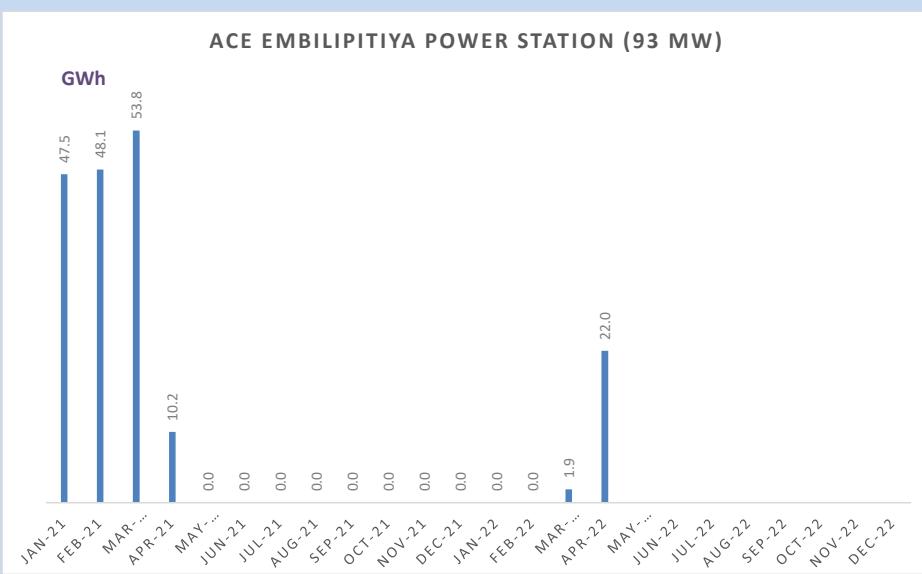
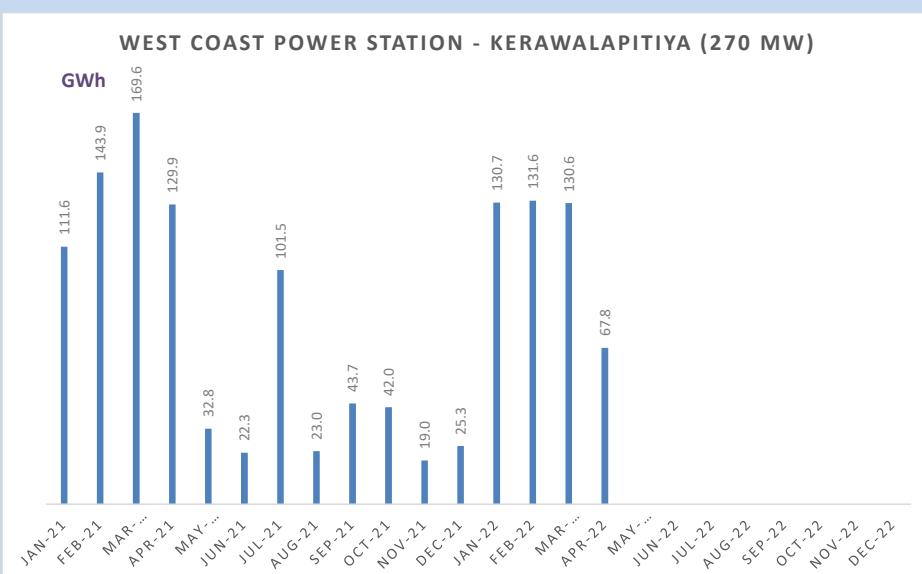
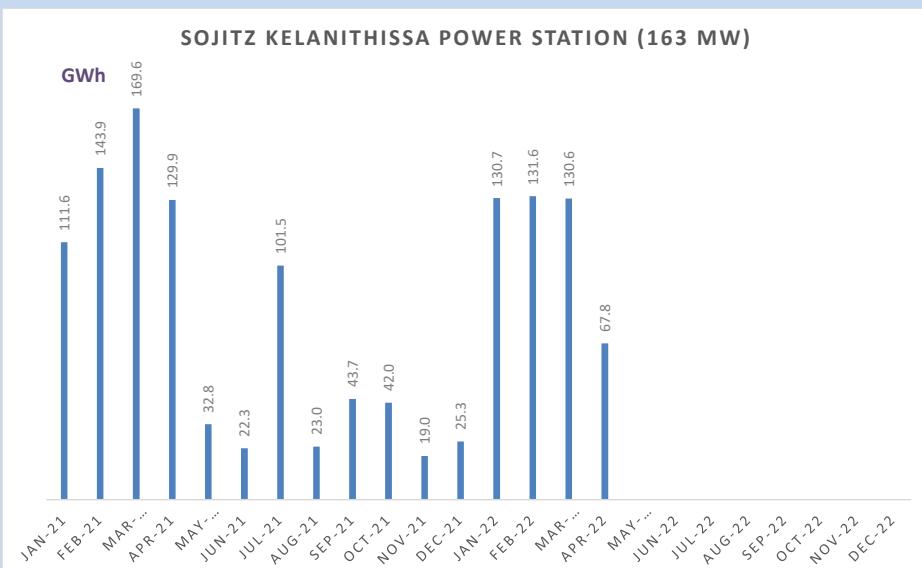


### ACE MATARA POWER STATION (24 MW)



### ASIA POWER STATION (51 MW)





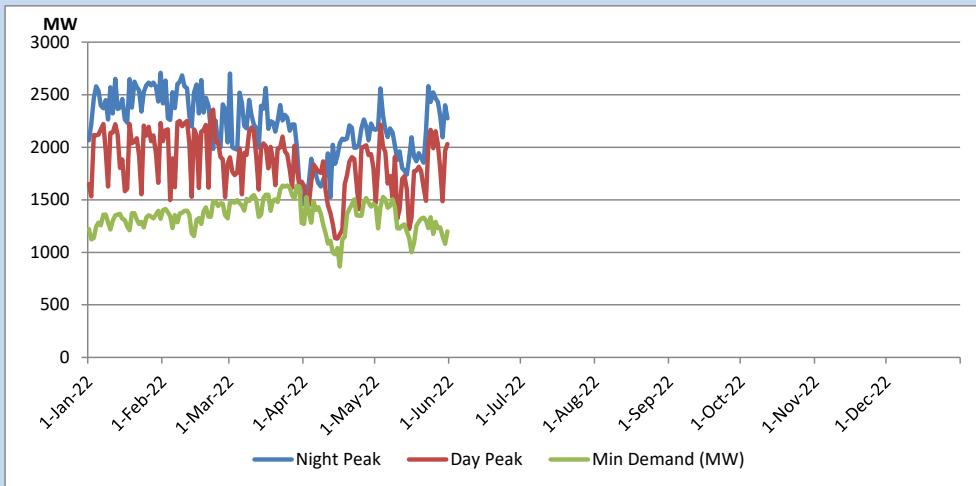
### 3 Peak Demand

During the month;

Highest Peak Demand	2,581 MW on	23-May
Lowest Peak Demand	1,740 MW on	14-May
Highest Day Peak Demand	2,215 MW on	3-May
Minimum Demand	1,000 MW on	16-May

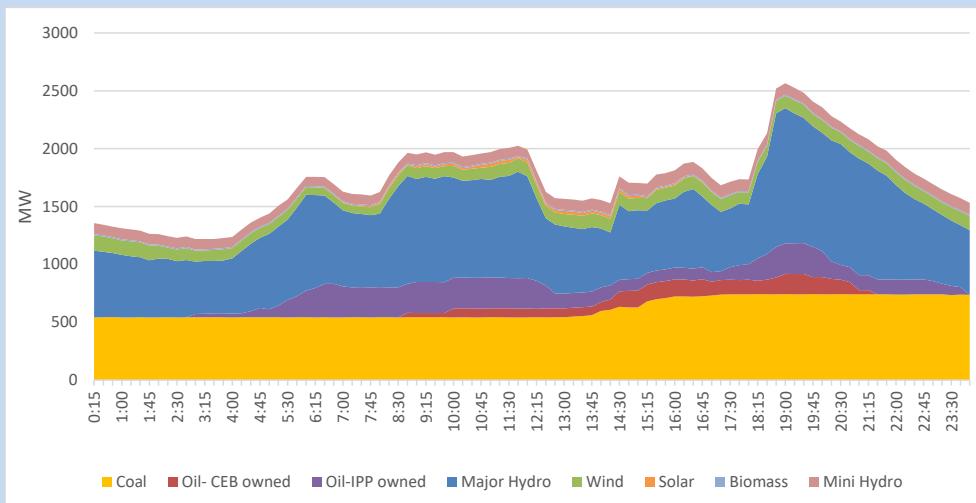
\*Demand figures are excluding the contribution from minihydro and biomass plants

#### 3.1 Demand Variation During the year

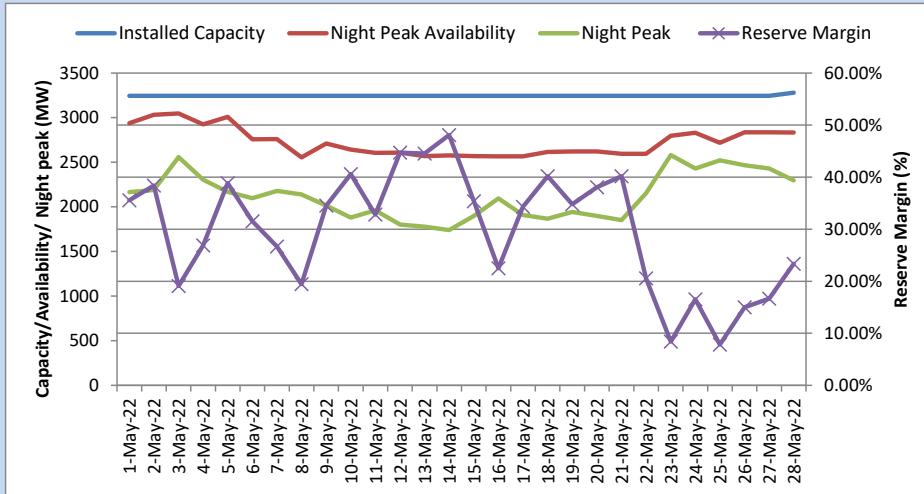


#### 3.2 Load Curve of the Day with Highest Night Peak ,

23-May



### 3.3 Variation of Reserve Margin During Night Peak

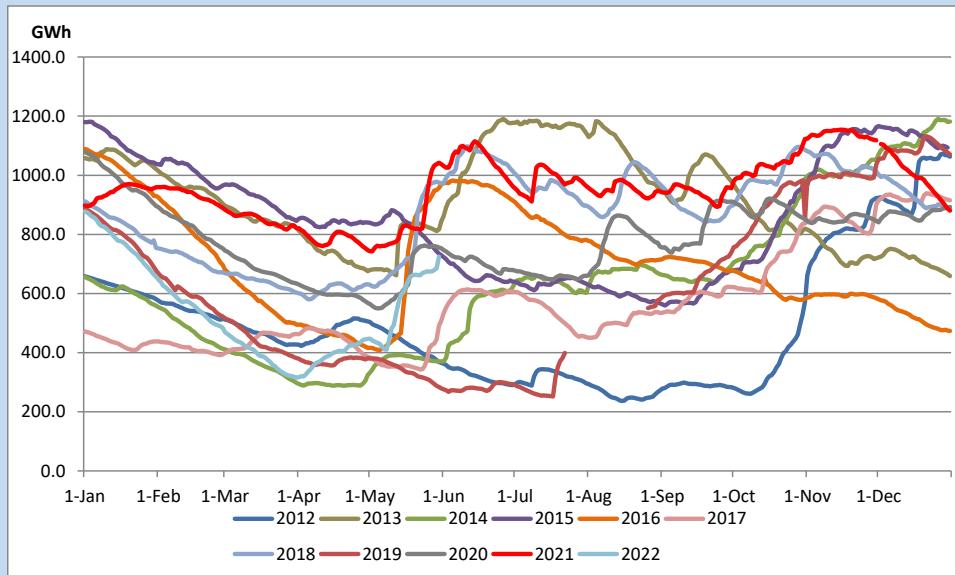


Note: Contribution from NCRE plants is not included

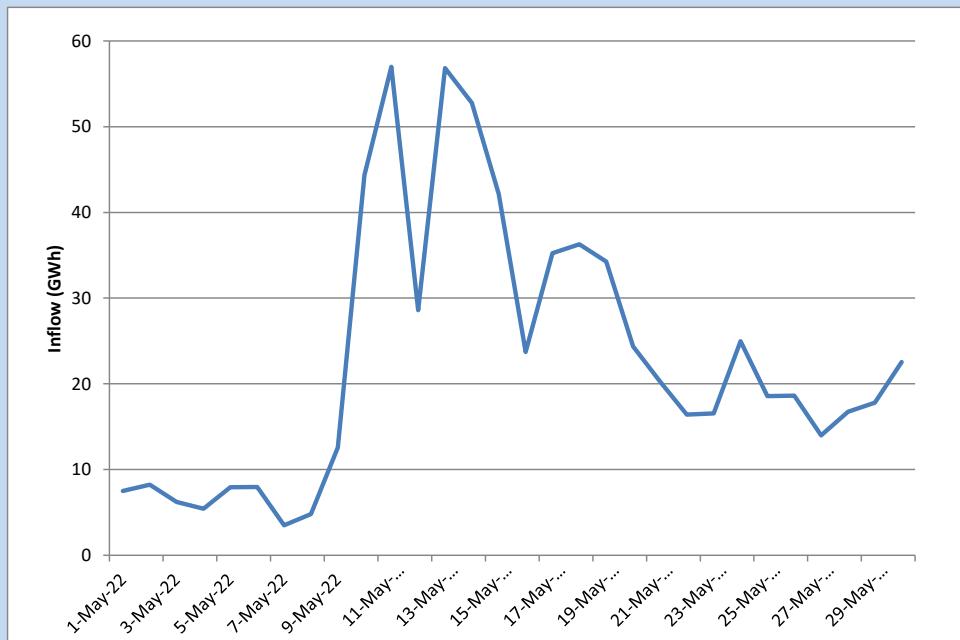
## 4 Reservoir Statistics

Total Reservoir level at the beginning	877.2 GWh
Total Reservoir level at the end	573.5 GWh
Total Inflow	178.83 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

