

Monthly Generation Report

March-22

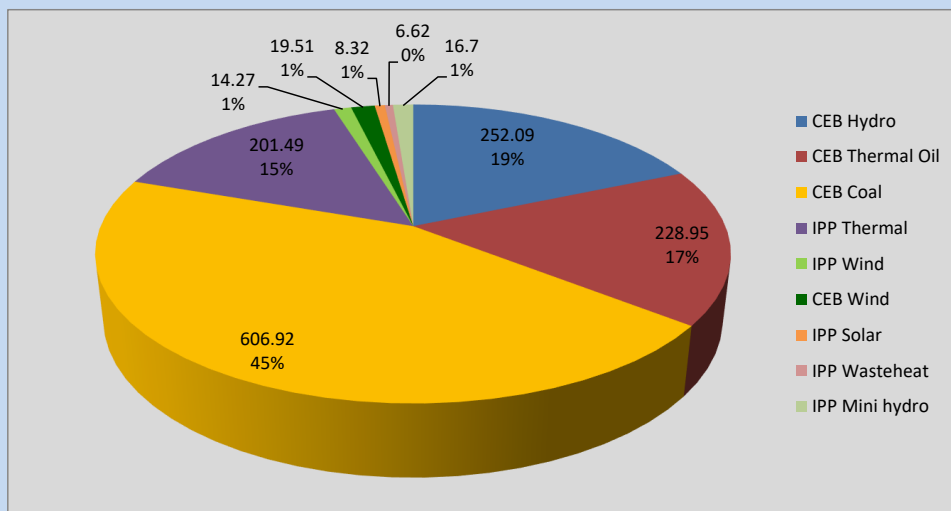


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

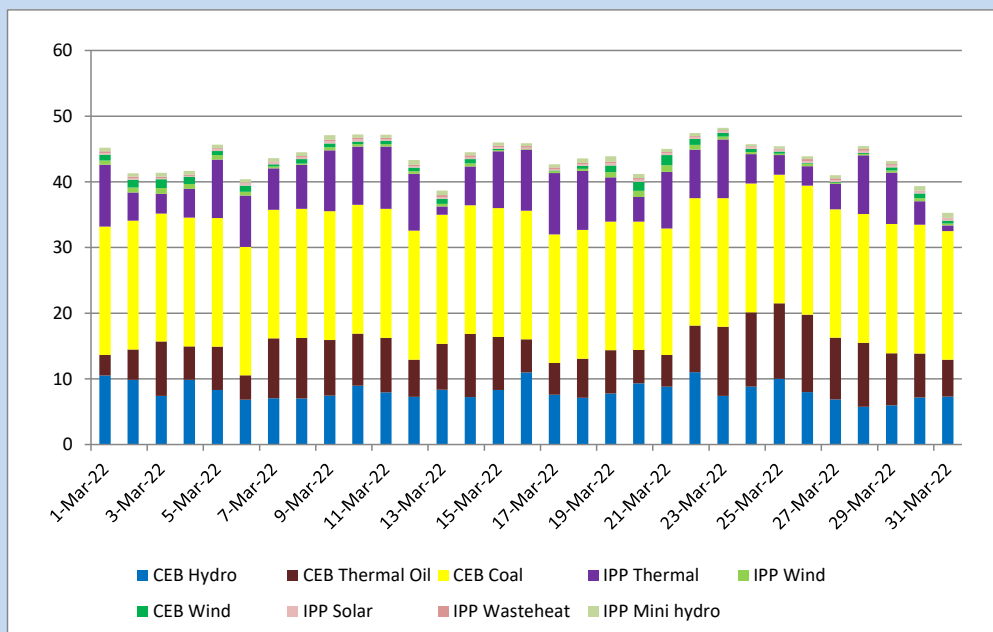
March-22



Total Generation = 1,355 GWh

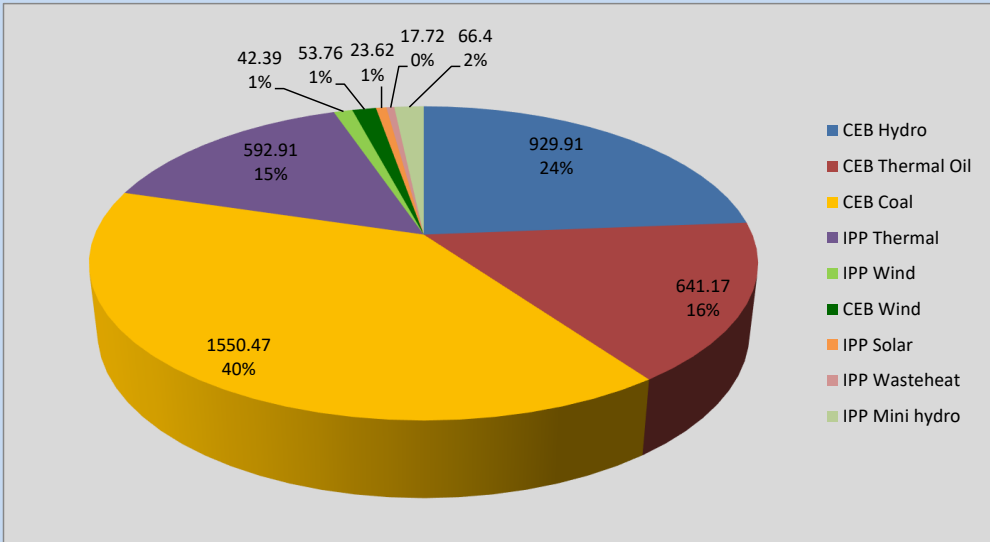
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

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

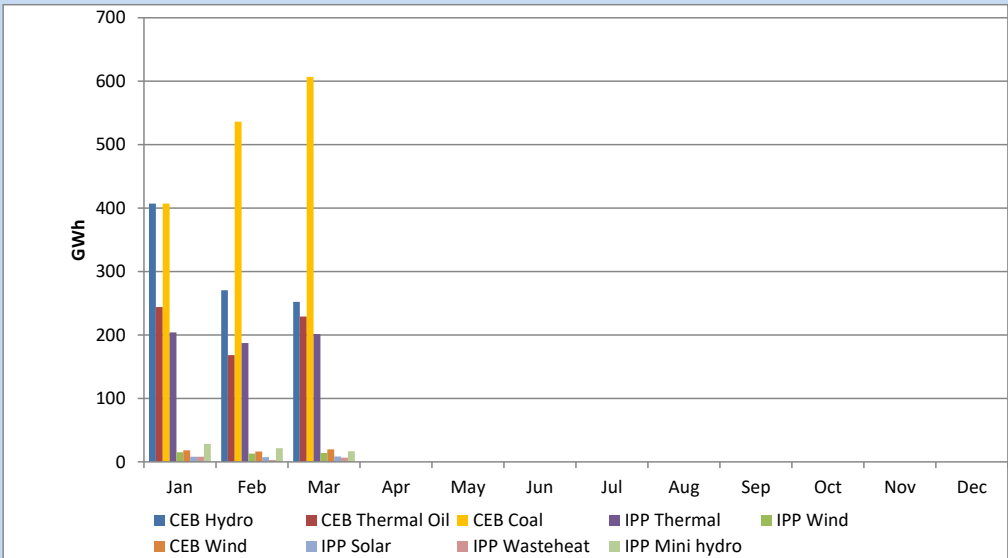
1.3 Annual Cumulative Generation



Total Generation = 3,918 GWh

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 March-22

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	6,372	17.1%
Old Laxapana	54	15,867	39.5%
Canyon	60	225	0.5%
New Laxapana	100	35,764	48.1%
Polpitiya	90	25,255	37.7%
Broadlands	35	203	0.8%
Kotmale	201	20,020	13.4%
Victoria	225	47,271	28.2%
Randenigala	114	22,457	26.5%
Rantambe	50	10,477	28.2%
Ukuwela	37	10,290	37.4%
Bowatenna	40	1,259	4.2%
Upper Kotmale	150	8,724	7.8%
Nilambe	3	132	5.9%
Samanalawewa	120	32,209	36.1%
Kukule	75	12,786	22.9%
Inginiyagala	11	1,025	12.5%
Udawalawe	6	620	13.9%
Puttalam Coal I	270	202,753	100.9%
Puttalam Coal II	270	201,996	100.6%
Puttalam Coal III	270	202,156	100.6%
KPS Small GTs	64	4,238	8.9%
KPS GT 7	115	20,881	24.4%
KCCP	161	75,488	63.0%
Sapugaskanda A	70	40,834	78.4%
Sapugaskanda B	70	41,110	78.9%
Uthura Janani	26	5,599	28.9%
Barge CEB	60	31,983	71.6%
CEB - Thulhiriya	10	2,289	30.8%
CEB - Kolonnawa	20	3,911	26.3%
CEB - Mathugama	20	2,615	17.6%
Asia Power	51	496	1.3%
Sojitz Kelanitissa	163	68,505	56.5%
West Coast	270	130,555	65.0%
ACE Embilipitiya	93	1,944	2.8%

2.2 Running Plant Factors of Major Plants in

March-22

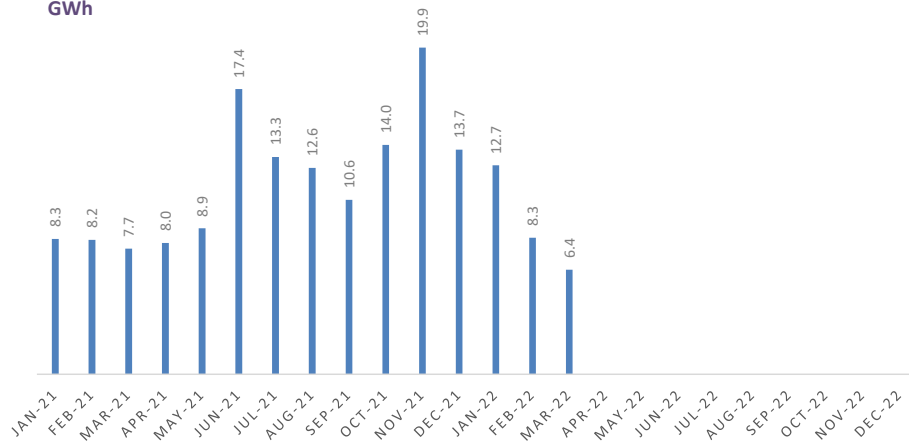
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

Power Station	Availability (GWh)	Generation (GWh)	Running PF (%)
Wimalasurendra	19.8	6.4	32.2%
Old Laxapana	32.7	15.9	48.5%
Canyon	0.7	0.2	31.3%
New Laxapana	74.4	35.8	48.1%
Polpitiya	67.0	25.3	37.7%
Broadlands	4.2	0.2	4.8%
Kotmale	149.5	20.0	13.4%
Victoria	167.4	47.3	28.2%
Randenigala	84.8	22.5	26.5%
Rantambe	37.2	10.5	28.2%
Ukuwela	26.8	10.3	38.4%
Bowatenna	29.8	1.3	4.2%
Upper Kotmale	73.8	8.7	11.8%
Nilambe	1.5	0.1	8.9%
Samanalawewa	89.3	32.2	36.1%
Kukule	52.2	12.8	24.5%
Inginiyagala	3.8	1.0	27.0%
Udawalawe	1.5	0.6	41.7%
Puttalam Coal I	200.9	202.8	100.9%
Puttalam Coal II	200.9	202.0	100.6%
Puttalam Coal III	200.9	202.2	100.6%
KPS Small GTs	9.0	4.2	47.2%
KPS GT 7	38.0	20.9	54.9%
KCCP	94.5	75.5	79.9%
Sapugaskanda A	46.2	40.8	88.3%
Sapugaskanda B	45.1	41.1	91.1%
Uthura Janani	7.3	5.6	77.0%
Barge CEB	34.1	32.0	93.9%
CEB - Thulhiriya	3.3	2.3	70.3%
CEB - Kolonnawa	6.5	3.9	60.2%
CEB - Mathugama	5.7	2.6	45.9%
Asia Power	0.5	0.5	98.4%
Sojitz Kelanitissa	88.0	68.5	77.8%
West Coast	175.0	130.6	74.6%
ACE Embilipitiya	2.3	1.9	84.4%

2.3 Generation of Major Power Plants From Last Year

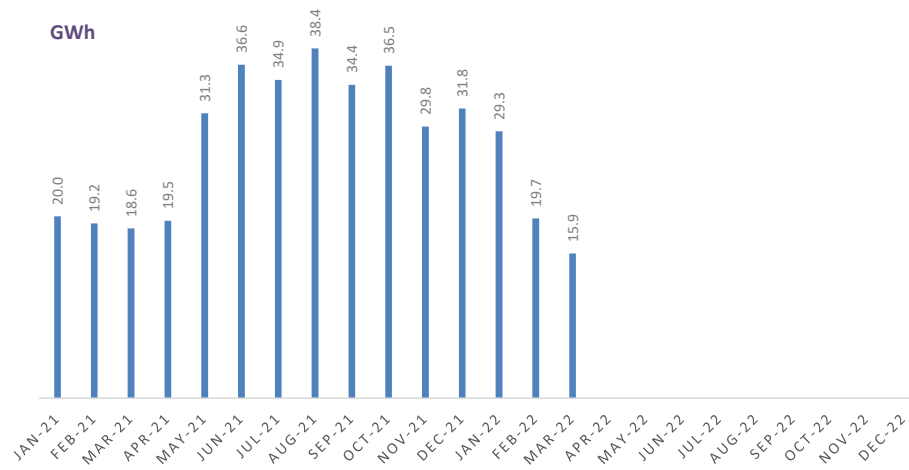
WIMALASURENDRA POWER STATION (53.5MW)

GWh



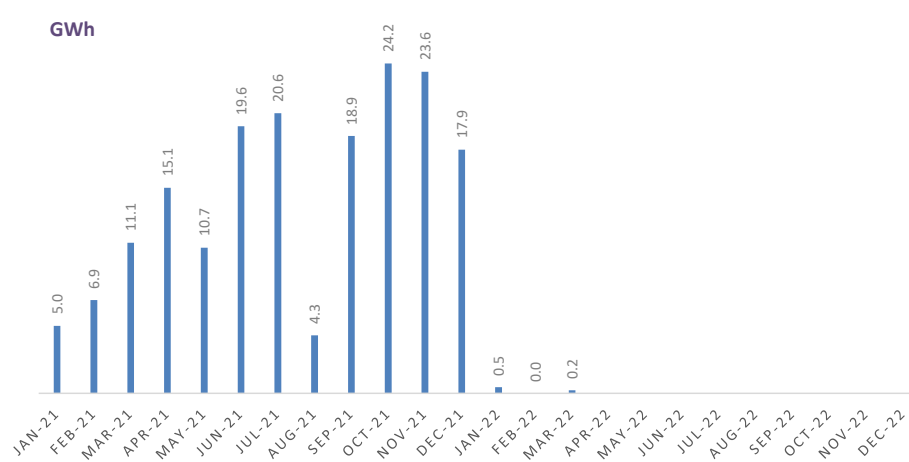
OLD LAXAPANA POWER STATION (53.5MW)

GWh

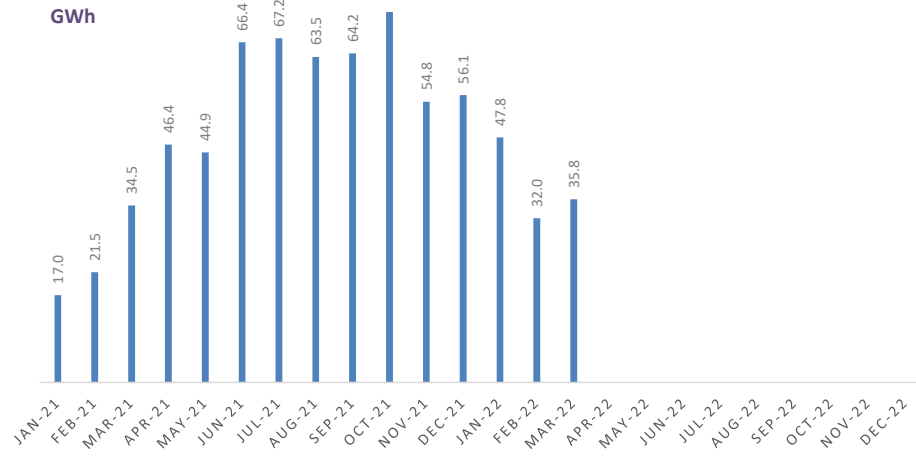


CANYON POWER STATION (60 MW)

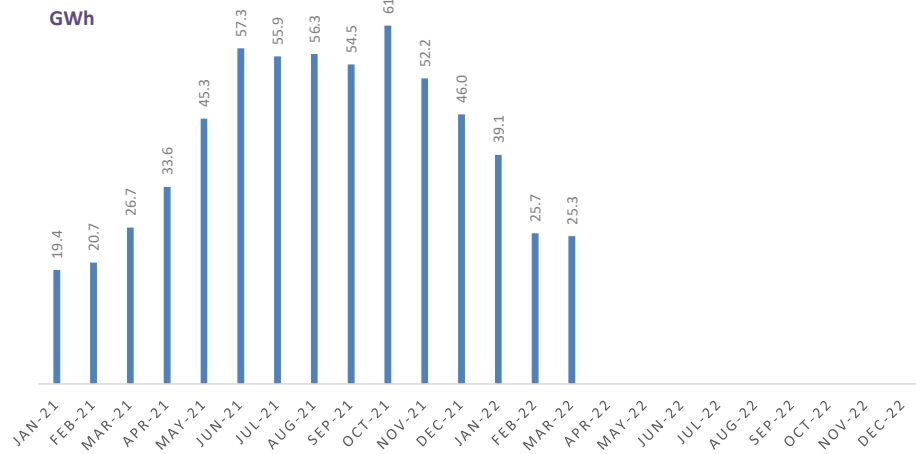
GWh



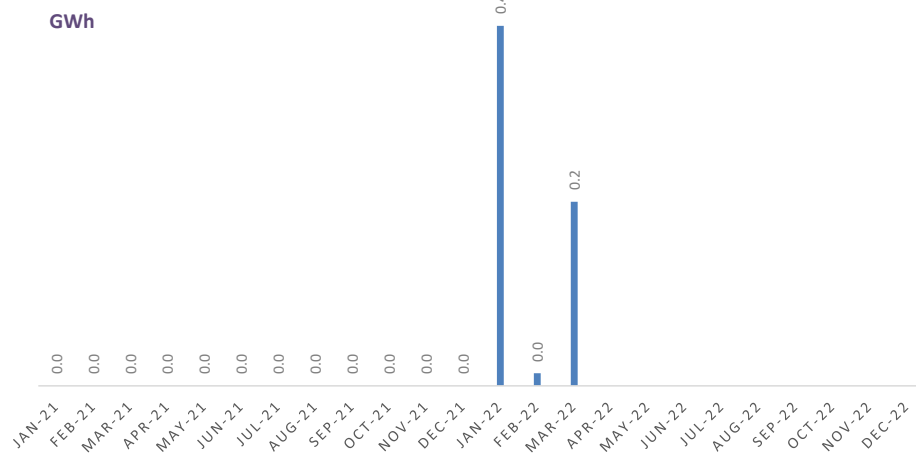
NEW LAXAPANA POWER STATION (115 MW)



POLPITIYA POWER STATION (90 MW)

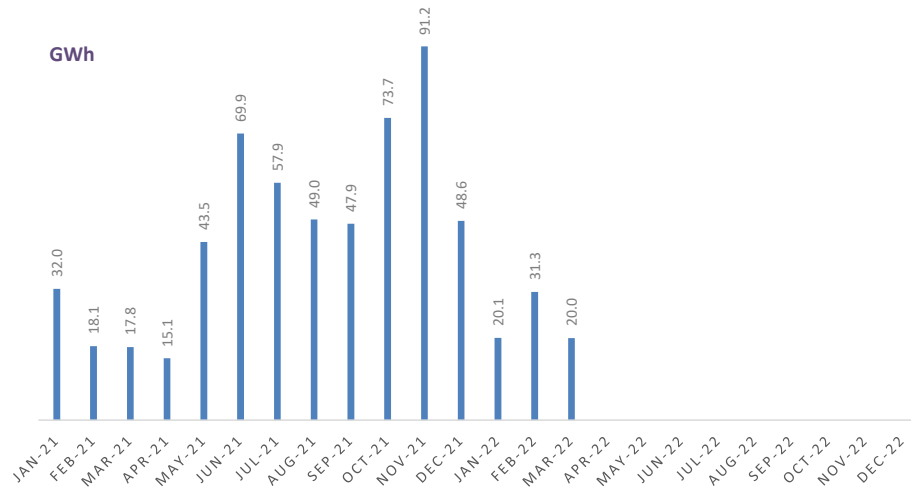


BROADLANDS POWER STATION (35 MW)



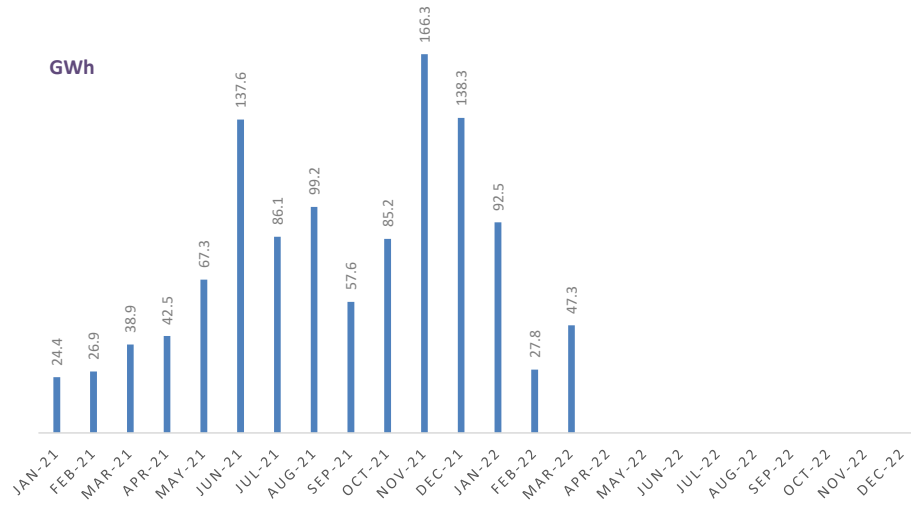
KOTMALE POWER STATION (201 MW)

GWh



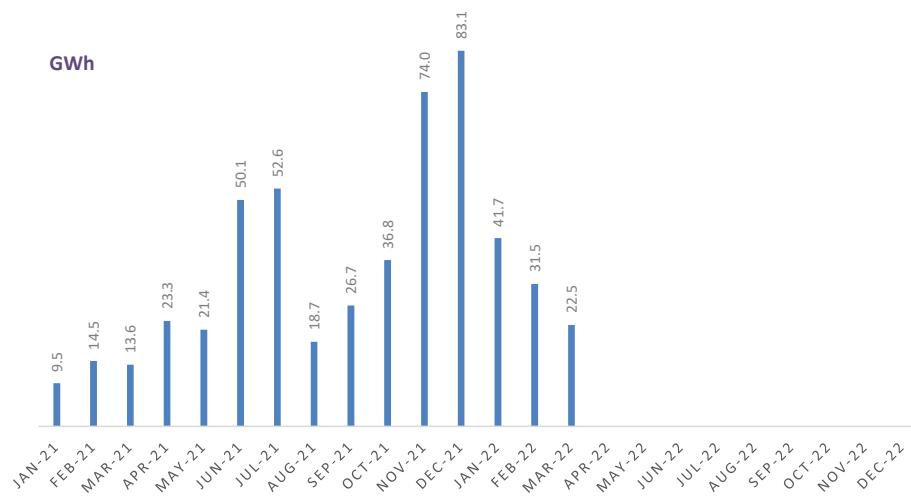
VICTORIA POWER STATION (225 MW)

GWh



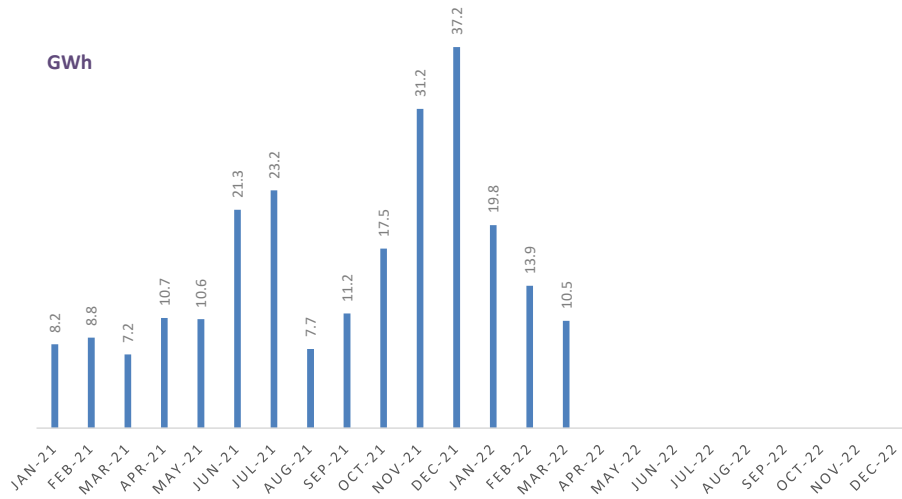
RANDENIGALA POWER STATION (114 MW)

GWh



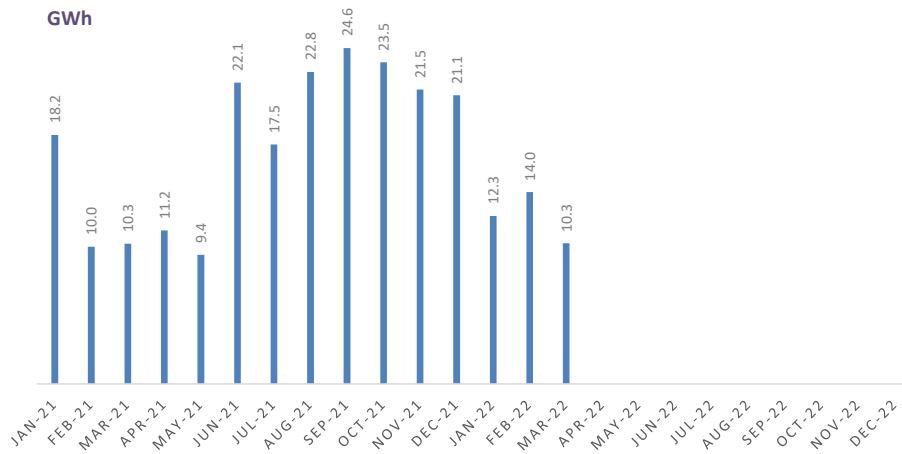
RANTAMBE POWER STATION (50 MW)

GWh



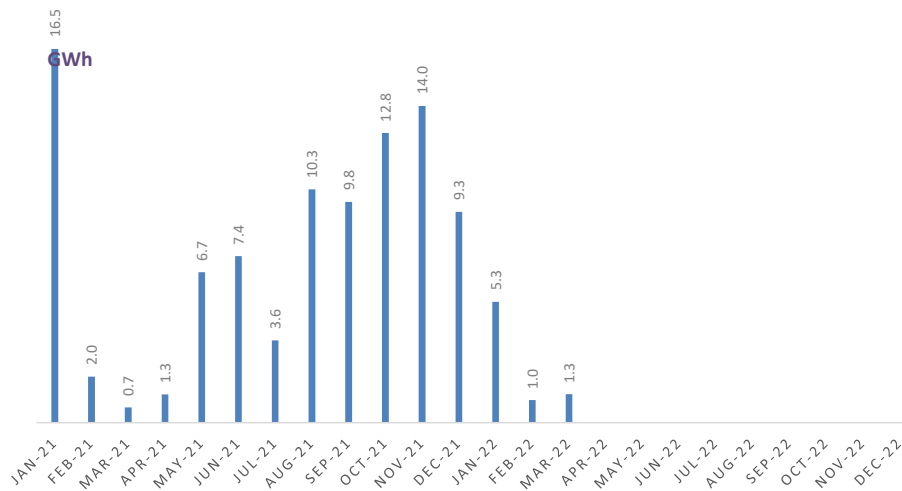
UKUWELA POWER STATION (37 MW)

GWh



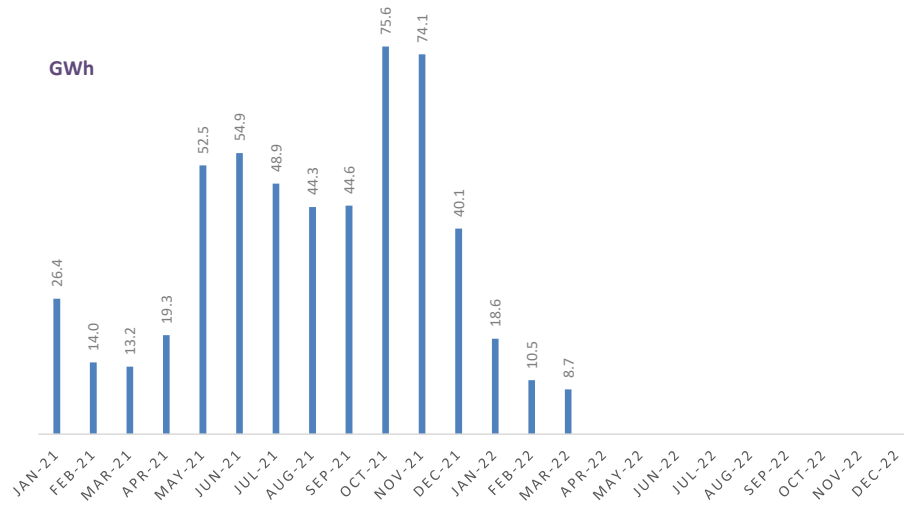
BOWATHENNA POWER STATION (40 MW)

GWh



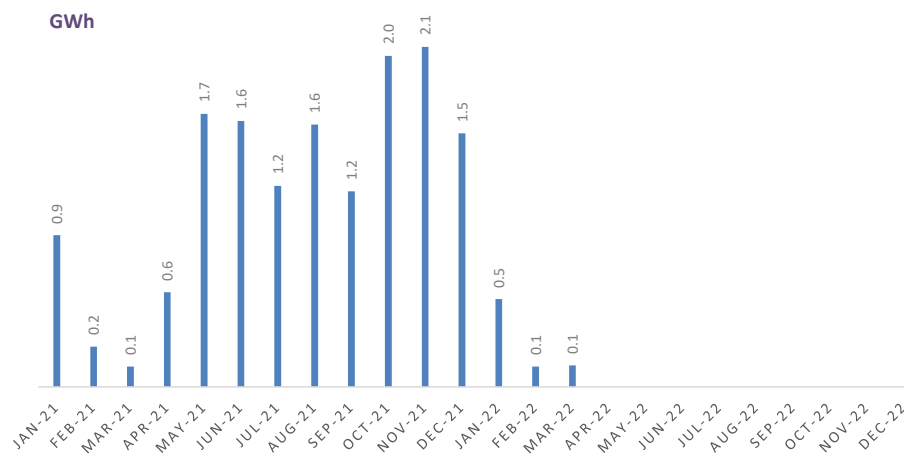
UPPER KOTMALE POWER STATION (150 MW)

GWh



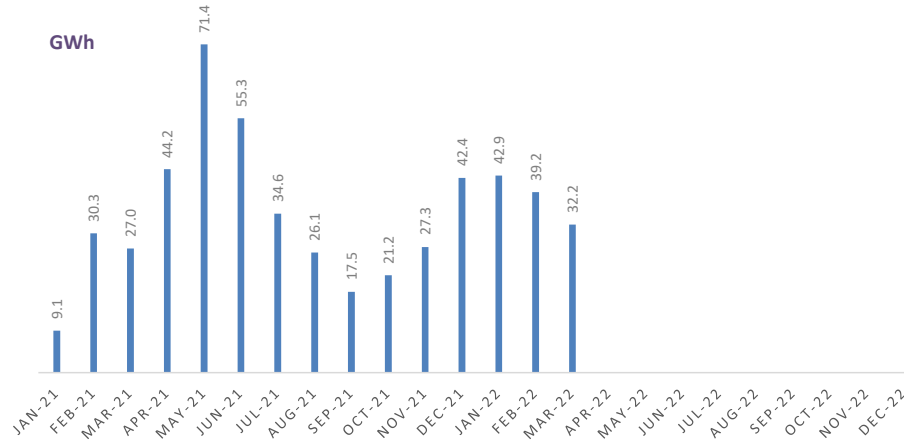
NILLAMBE POWER STATION (3 MW)

GWh



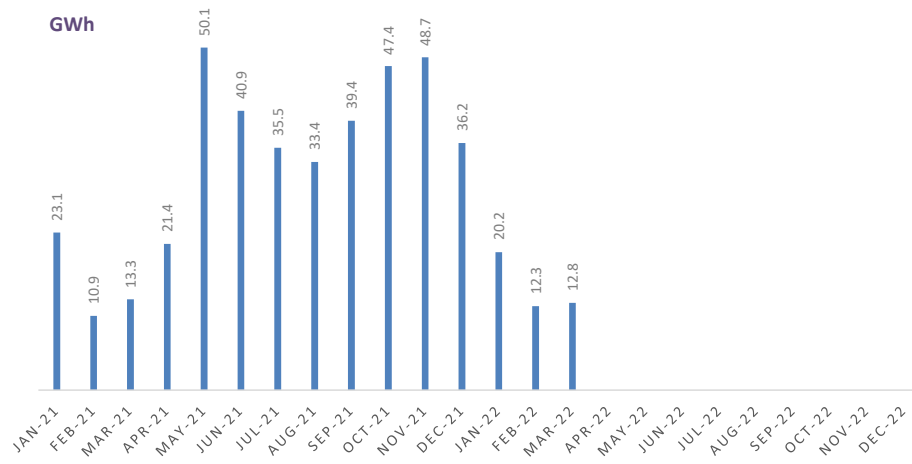
SAMANALAWEWA POWER STATION (120 MW)

GWh



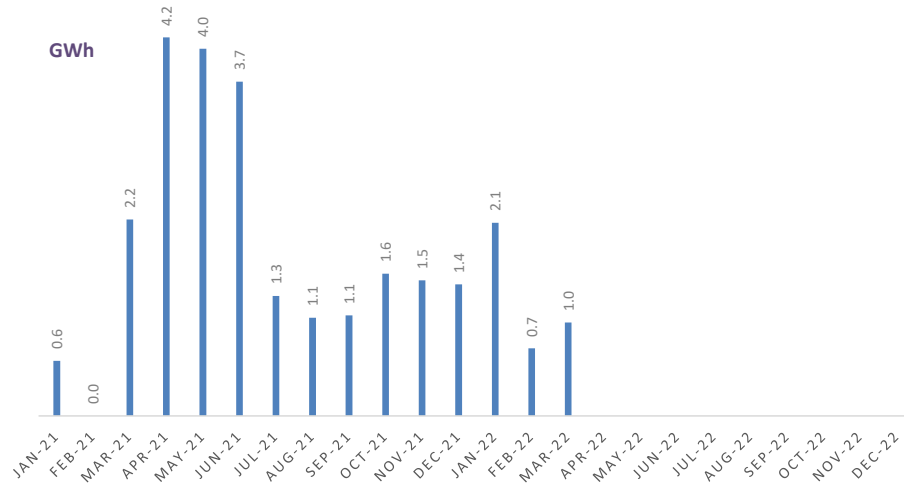
KUKULE POWER STATION (75 MW)

GWh



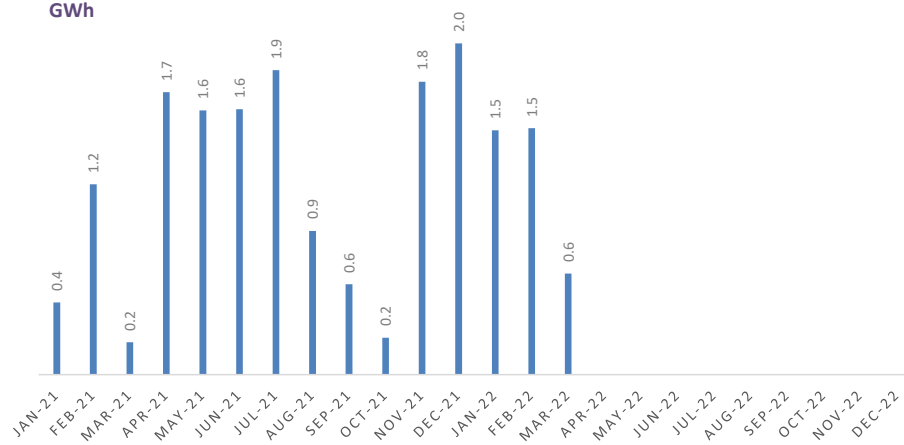
INGINIYAGALA POWER STATION (11 MW)

GWh

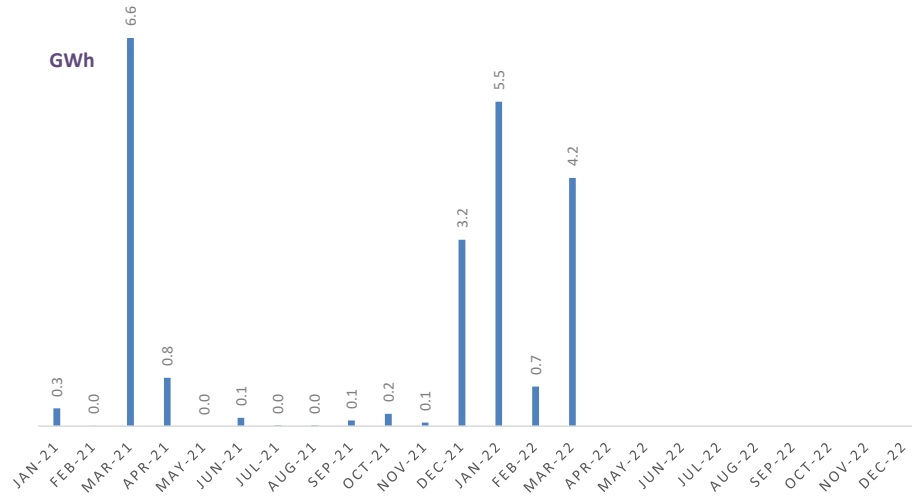


UDAWALAWA POWER STATION (6 MW)

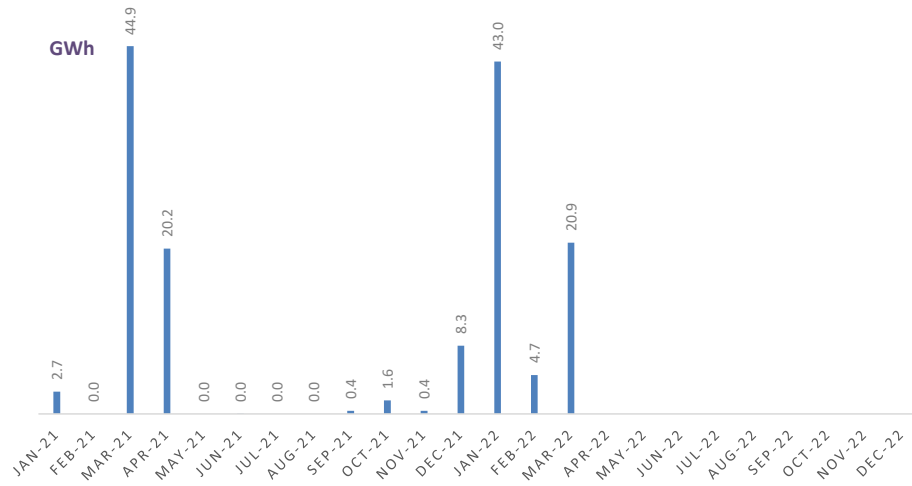
GWh



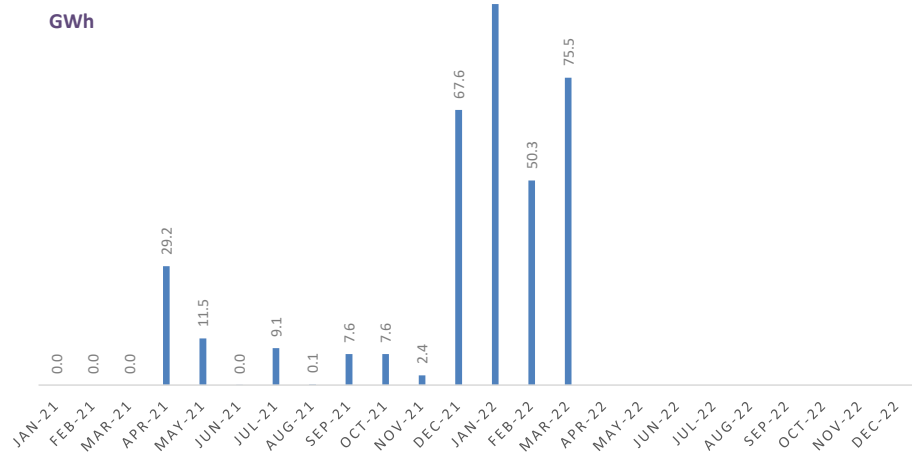
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



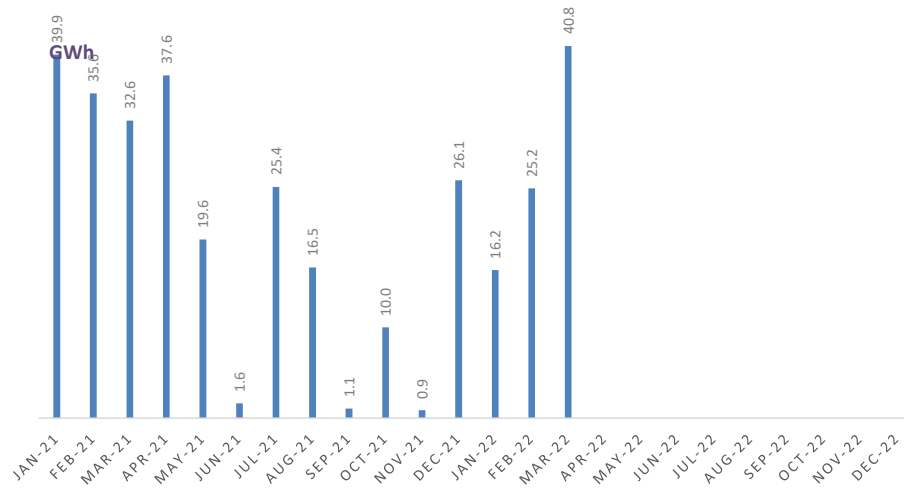
KELANITISSA GT 7 (115 MW)



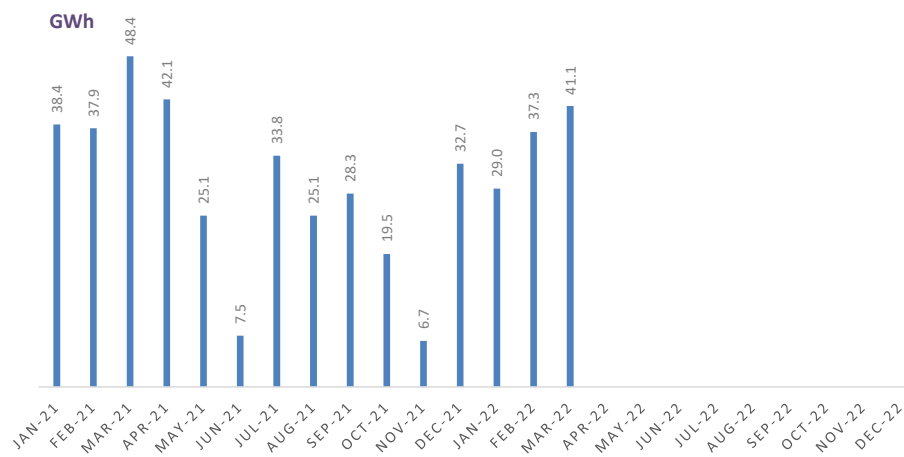
KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



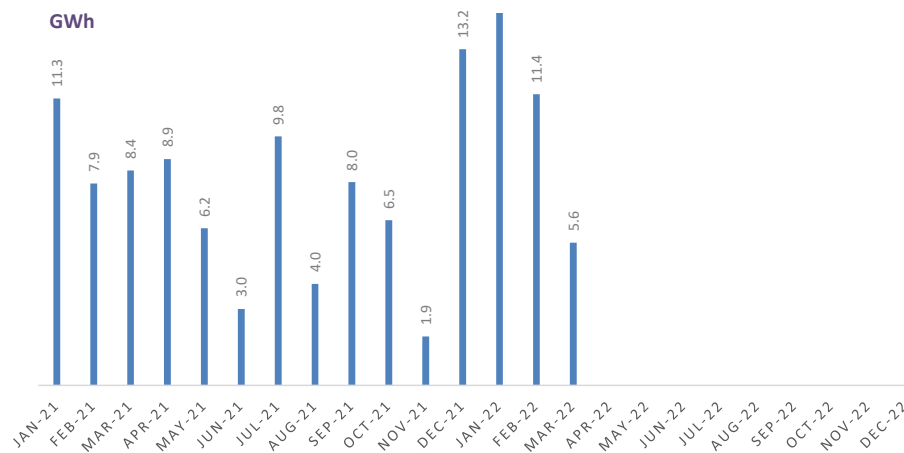
SAPUGASKANDA - A POWER STATION (80 MW)



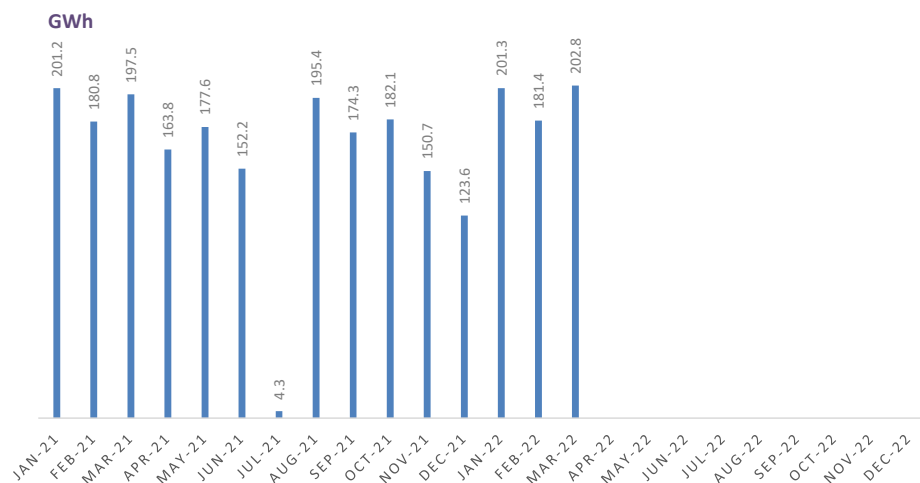
SAPUGASKANDA - B POWER STATION (80 MW)



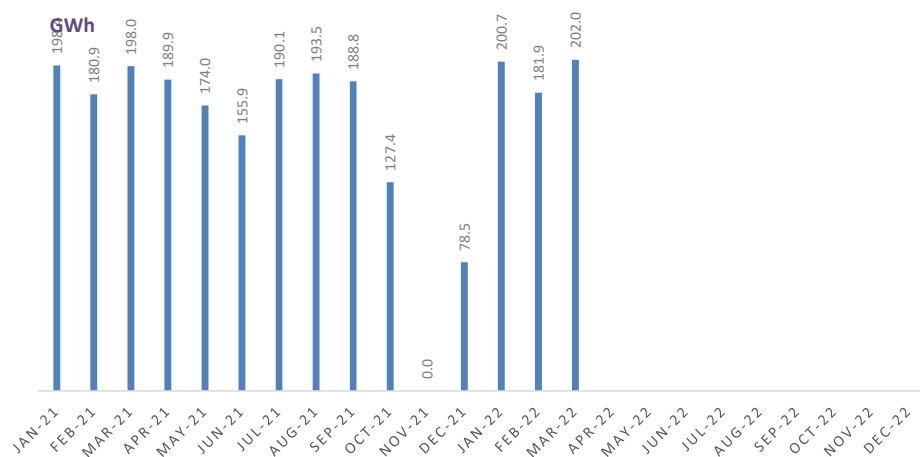
UTHURU JANANEE POWER STATION (26 MW)



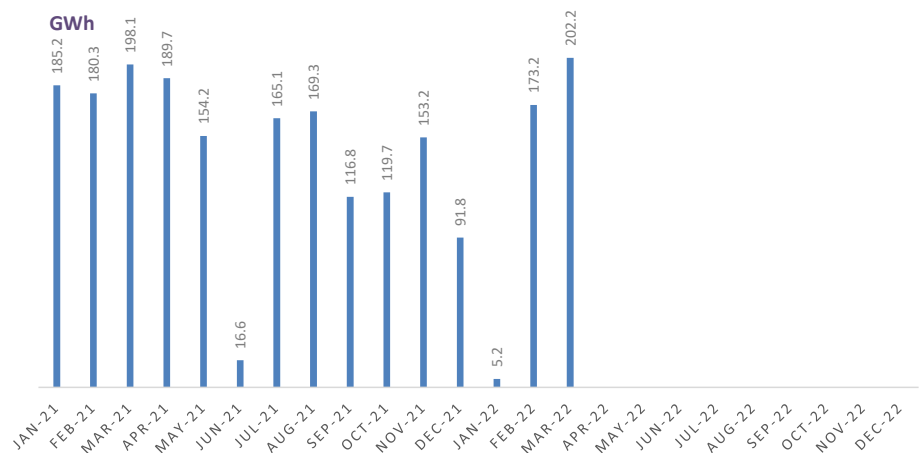
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



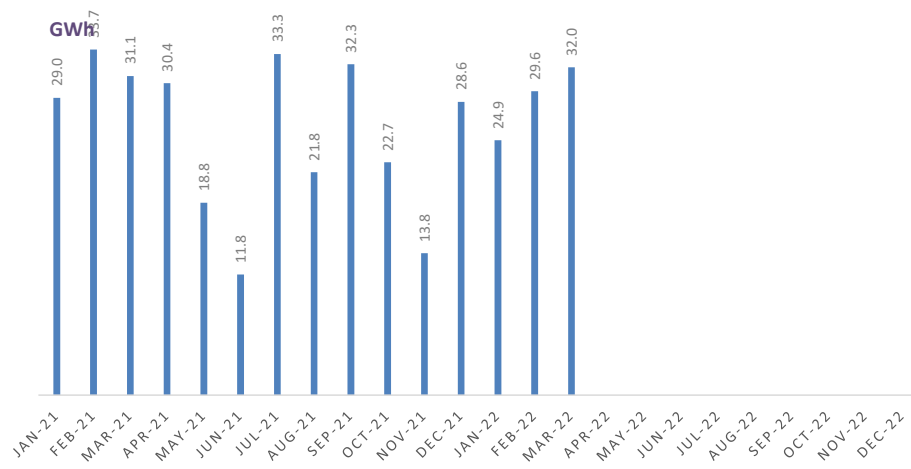
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



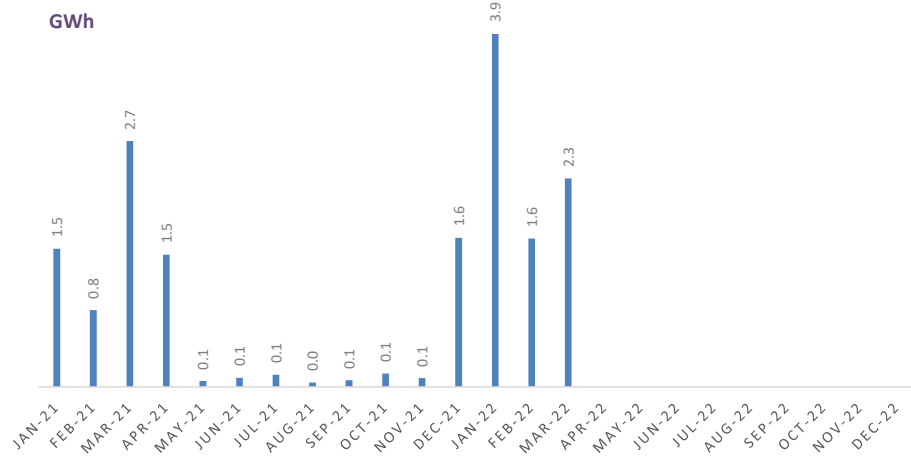
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



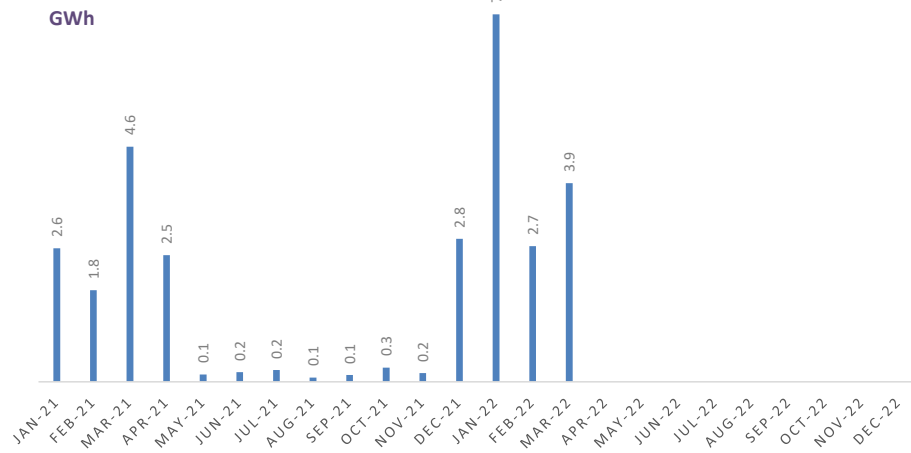
BARGE POWER STATION - CEB (60 MW)



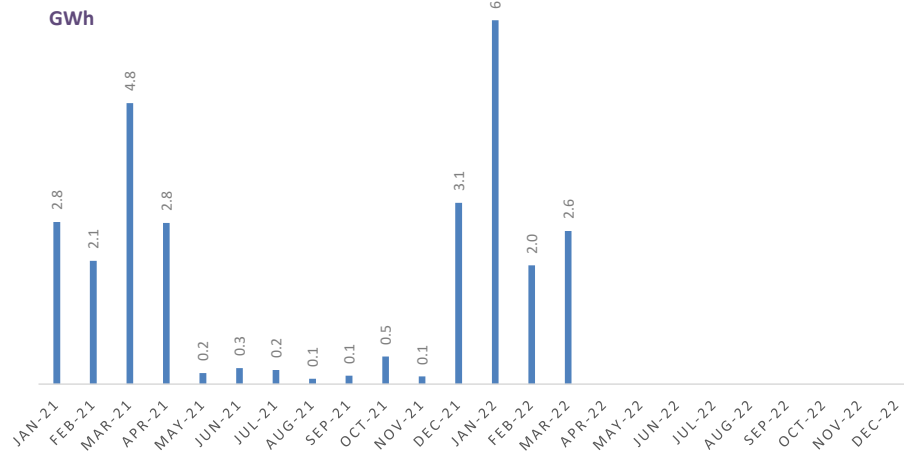
THULHIRIYA - CEB (10 MW)



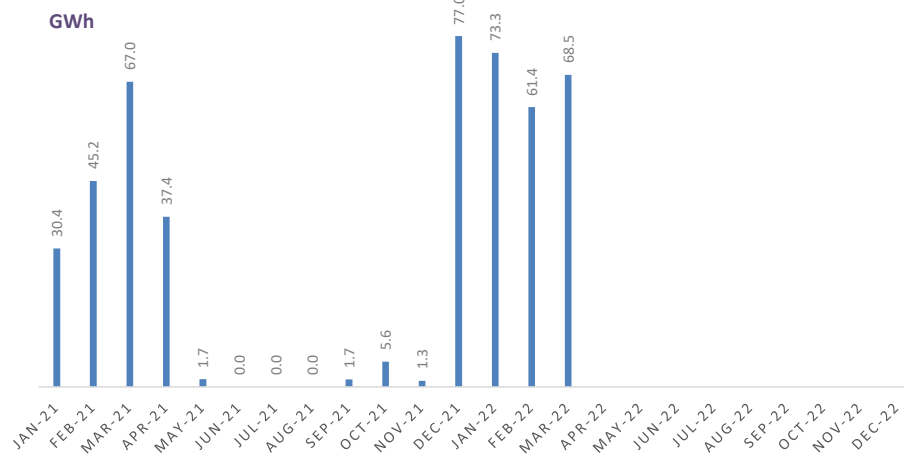
KOLONNAWA - CEB (20 MW)



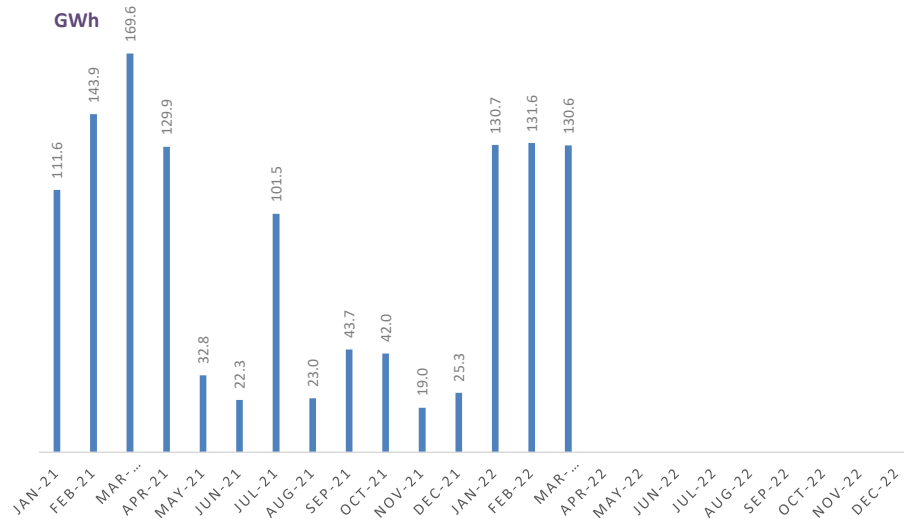
MATHUGAMA - CEB (20 MW)



SOJITZ KELANITISSA POWER STATION (160 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



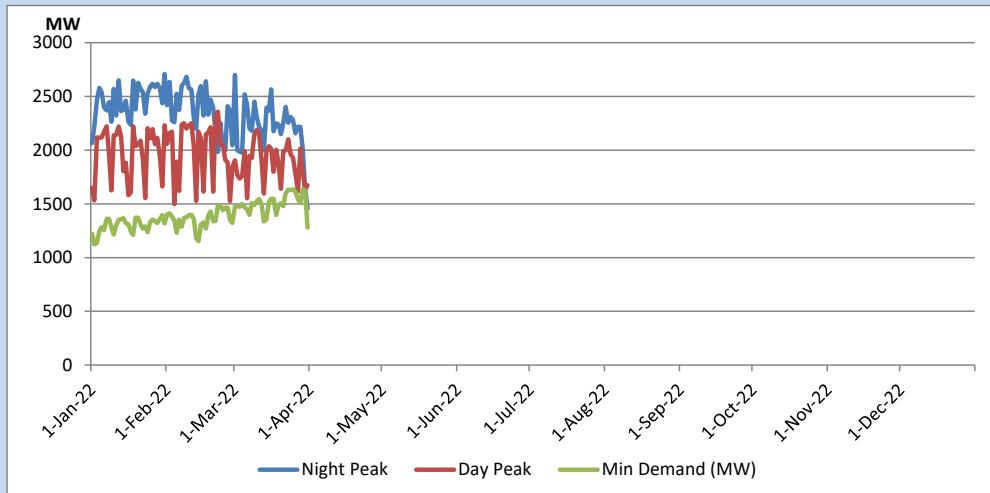
3 Peak Demand

During the month;

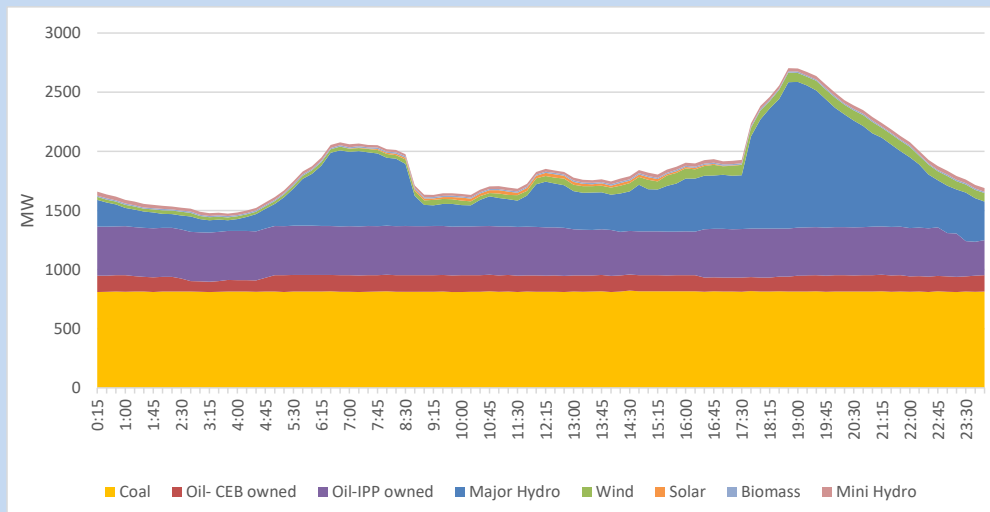
Highest Peak Demand	2,701 MW	on	1-Mar
Lowest Peak Demand	1,457 MW	on	31-Mar
Highest Day Peak Demand	2,188 MW	on	10-Mar
Minimum Demand	1,280 MW	on	31-Mar

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

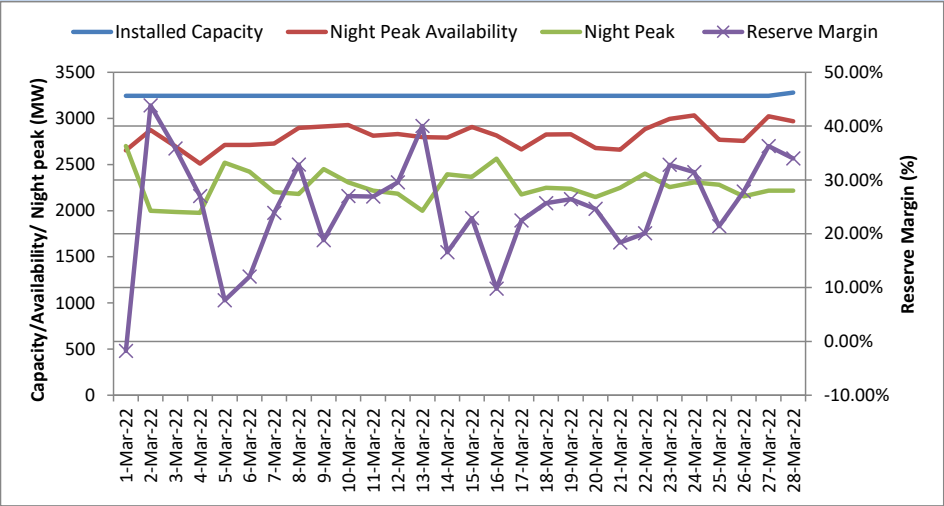
3.1 Demand Variation During the year



3.2 Load Curve of the Day with Highest Night Peak , 1-Mar



3.3 Variation of Reserve Margin During Night Peak

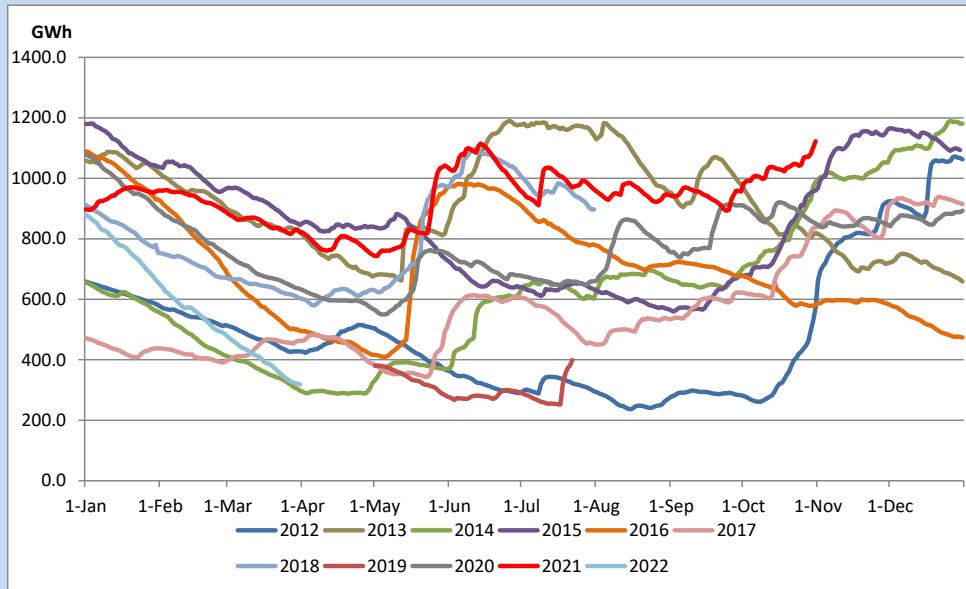


Note:Contribution from NCRE plants is not included

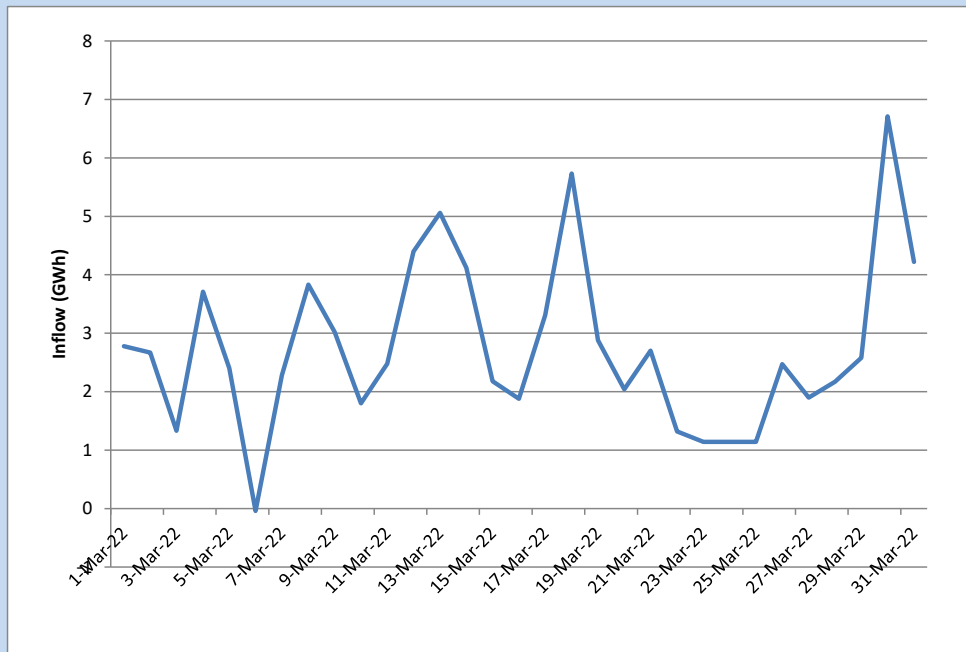
4 Reservoir Statistics

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

