

Monthly Generation Report

February-22

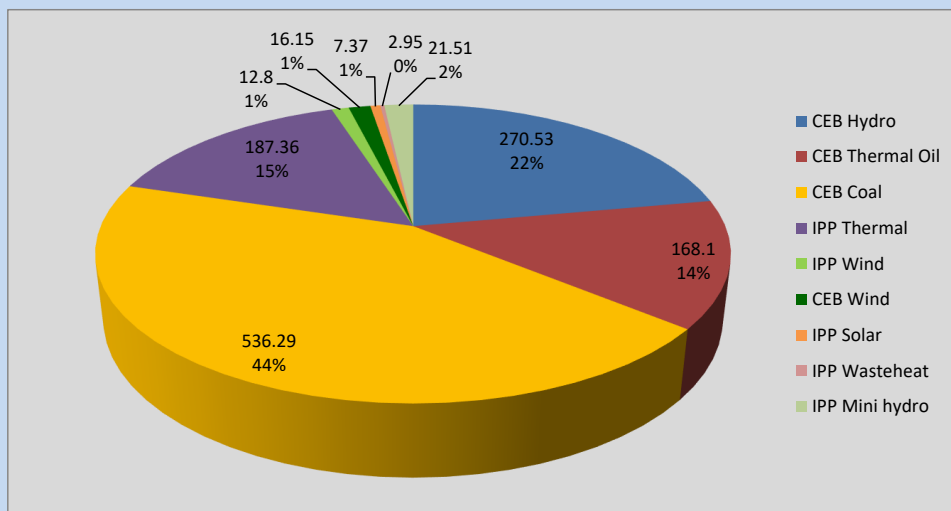


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

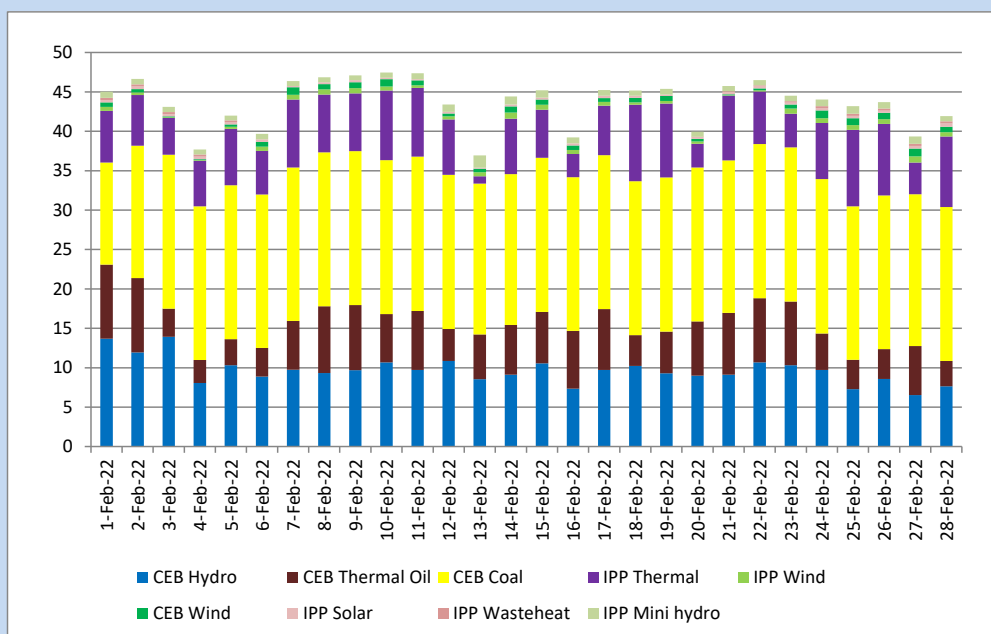
February-22



Total Generation = 1,223 GWh

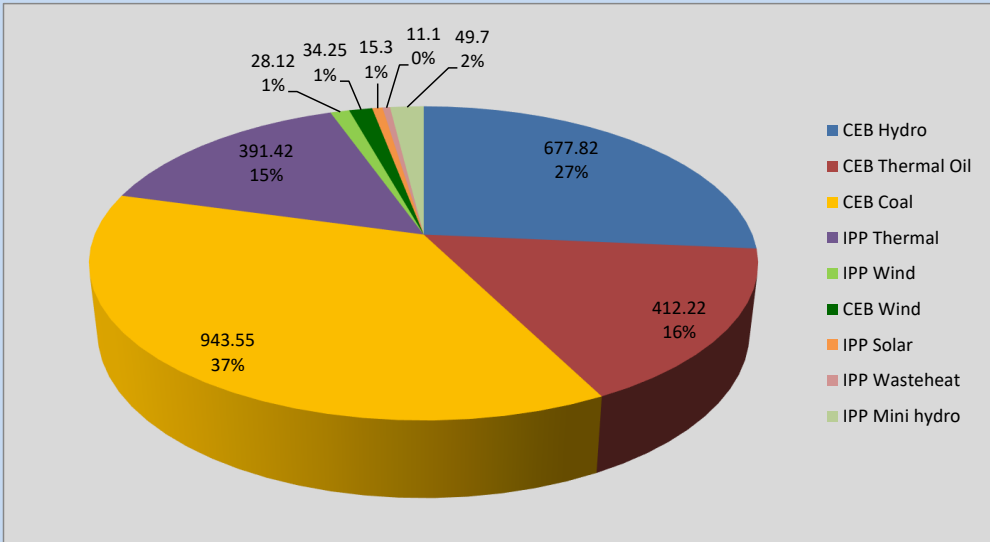
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

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

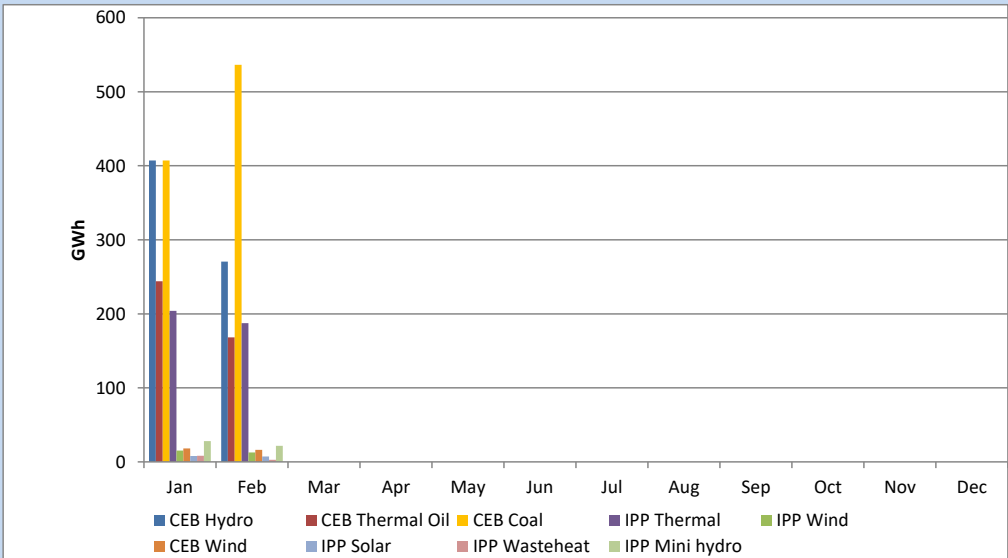
1.3 Annual Cumulative Generation



Total Generation = 2,563 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 February-22

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	8,333	24.8%
Old Laxapana	54	19,731	54.4%
Canyon	60	0	0.0%
New Laxapana	100	32,032	47.7%
Polpitiya	90	25,727	42.5%
Broadlands	35	14	0.1%
Kotmale	201	31,260	23.1%
Victoria	225	27,826	18.4%
Randenigala	114	31,507	41.1%
Rantambe	50	13,894	41.4%
Ukuwela	37	14,043	56.5%
Bowatenna	40	997	3.7%
Upper Kotmale	150	10,520	10.4%
Nilambe	3	124	6.2%
Samanalawewa	120	39,247	48.7%
Kukule	75	12,301	24.4%
Inginiyagala	11	741	10.0%
Udawalawe	6	1,510	37.5%
Puttalam Coal I	270	181,395	100.0%
Puttalam Coal II	270	181,914	100.3%
Puttalam Coal III	270	173,213	95.5%
KPS Small GTs	64	674	1.6%
KPS GT 7	115	4,745	6.1%
KCCP	161	50,255	46.4%
Sapugaskanda A	70	25,219	53.6%
Sapugaskanda B	70	37,317	79.3%
Uthura Janani	26	11,430	65.4%
Barge CEB	60	29,648	73.5%
CEB - Thulhiriya	10	1,629	24.2%
CEB - Kolonnawa	20	2,670	19.9%
CEB - Mathugama	20	2,027	15.1%
Sojitz Kelanitissa	163	61,413	56.1%
West Coast	270	131,588	72.5%

2.2 Running Plant Factors of Major Plants in

February-22

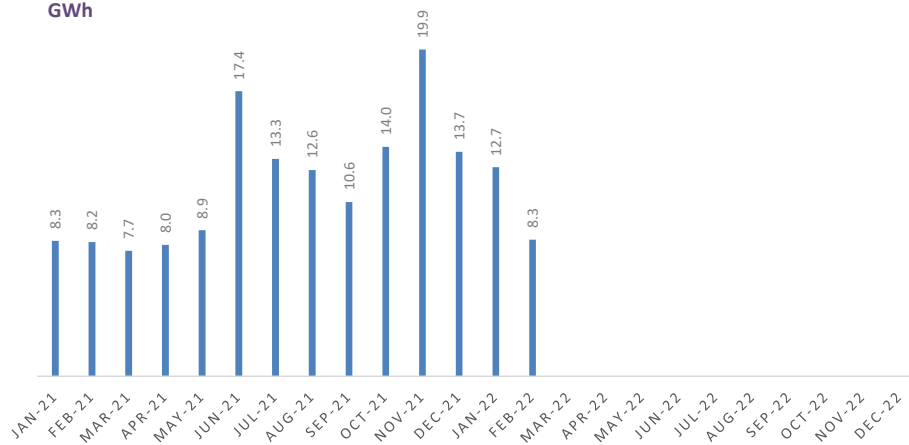
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

Power Station	Availability (GWh)	Generation (GWh)	Running PF (%)
Wimalasurendra	33.6	8.3	24.8%
Old Laxapana	36.0	19.7	54.8%
Canyon	0.0	0.0	#DIV/O!
New Laxapana	67.2	32.0	47.7%
Polpitiya	60.5	25.7	42.5%
Broadlands	0.0	0.0	#DIV/O!
Kotmale	135.1	31.3	23.1%
Victoria	151.2	27.8	18.4%
Randenigala	76.6	31.5	41.1%
Rantambe	33.6	13.9	41.4%
Ukuwela	23.8	14.0	59.1%
Bowatenna	26.9	1.0	3.7%
Upper Kotmale	100.8	10.5	10.4%
Nilambe	1.3	0.1	9.2%
Samanalawewa	80.6	39.2	48.7%
Kukule	50.4	12.3	24.4%
Inginiyagala	3.4	0.7	21.6%
Udawalawe	1.3	1.5	112.4%
Puttalam Coal I	181.4	181.4	100.0%
Puttalam Coal II	181.4	181.9	100.3%
Puttalam Coal III	175.0	173.2	99.0%
KPS Small GTs	0.4	0.7	175.5%
KPS GT 7	2.7	4.7	173.4%
KCCP	58.1	50.3	86.5%
Sapugaskanda A	33.2	25.2	76.0%
Sapugaskanda B	41.5	37.3	90.0%
Uthura Janani	15.0	11.4	76.2%
Barge CEB	34.2	29.6	86.7%
CEB - Thulhiriya	2.0	1.6	80.1%
CEB - Kolonnawa	4.3	2.7	62.4%
CEB - Mathugama	2.5	2.0	79.5%
Sojitz Kelanitissa	73.0	61.4	84.1%
West Coast	145.7	131.6	90.3%

2.3 Generation of Major Power Plants From Last Year

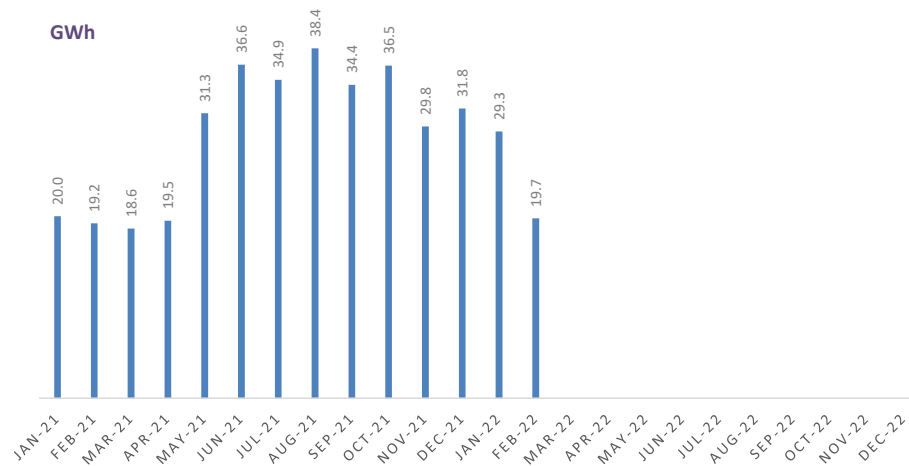
WIMALASURENDRA POWER STATION (53.5MW)

GWh



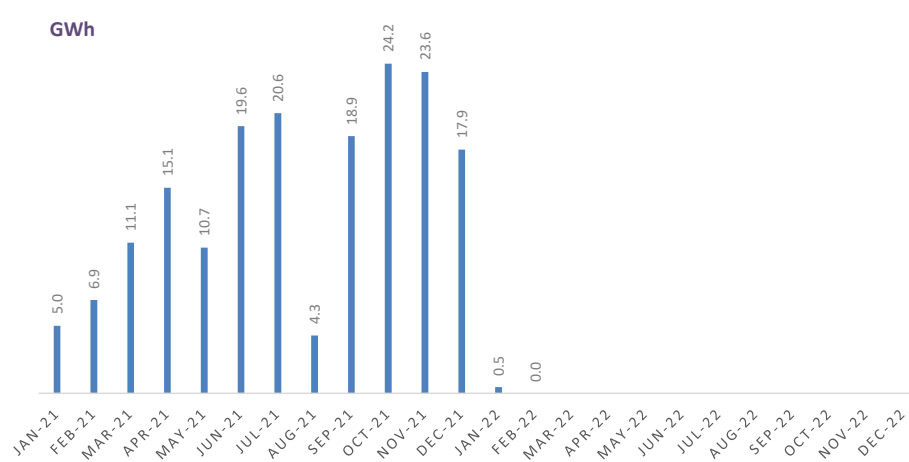
OLD LAXAPANA POWER STATION (53.5MW)

GWh

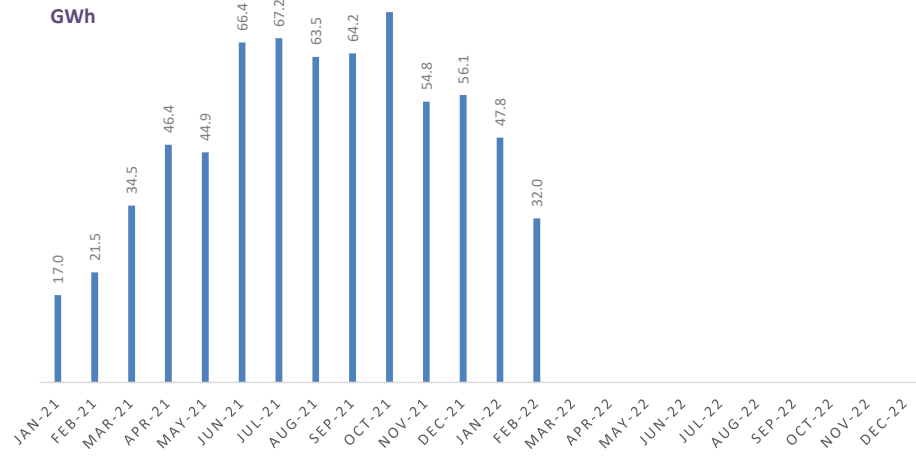


CANYON POWER STATION (60 MW)

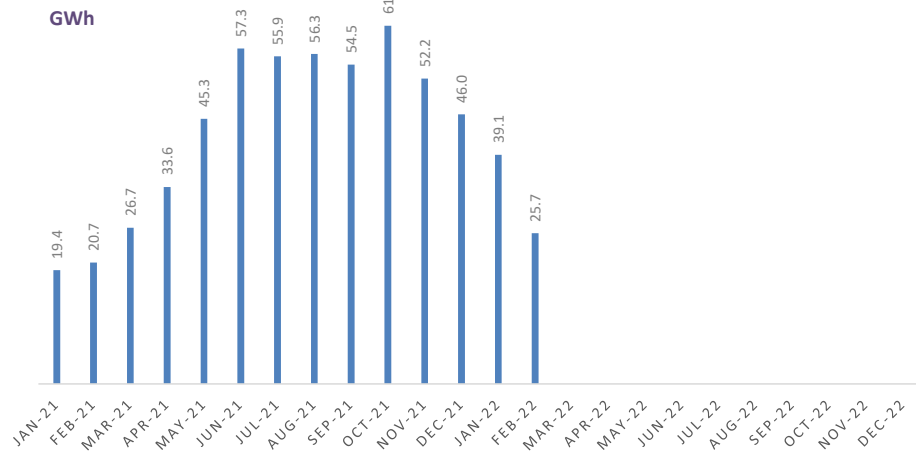
GWh



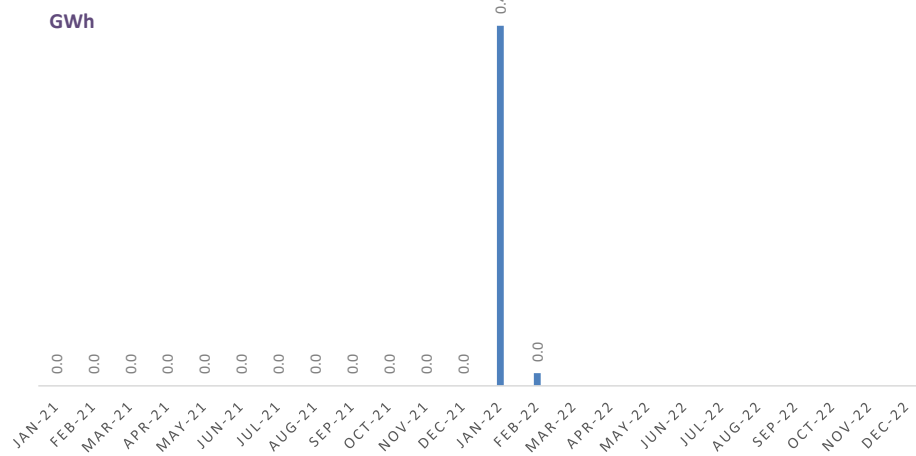
NEW LAXAPANA POWER STATION (115 MW)



POLPITIYA POWER STATION (90 MW)

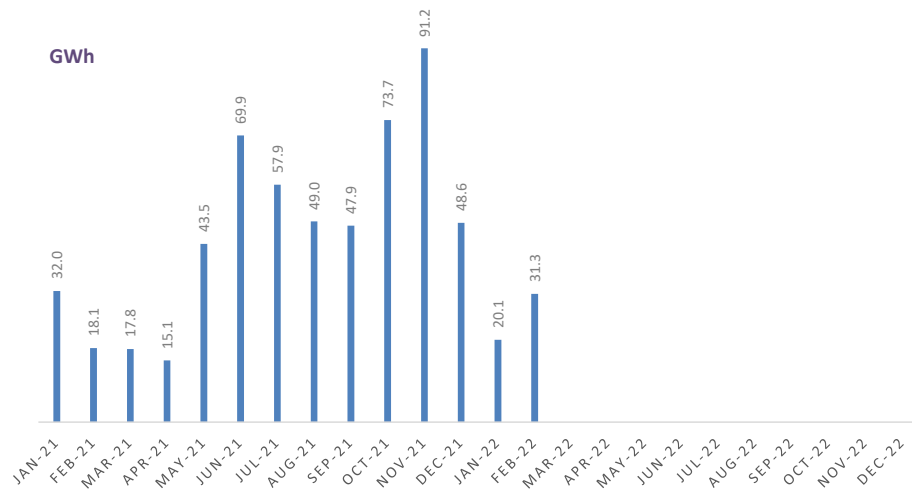


BROADLANDS POWER STATION (35 MW)



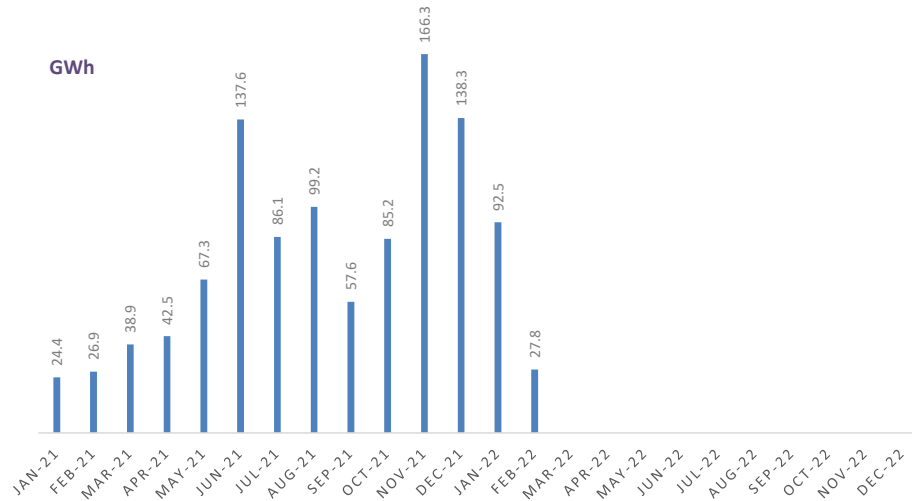
KOTMALE POWER STATION (201 MW)

GWh



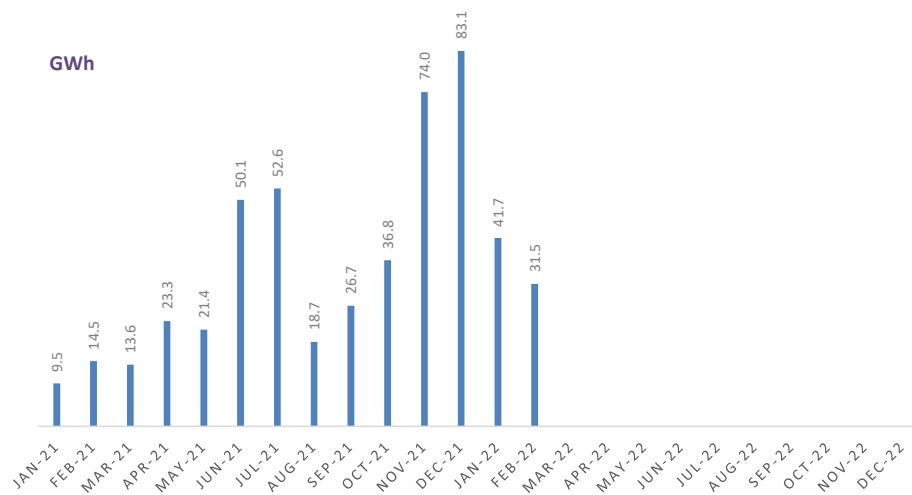
VICTORIA POWER STATION (225 MW)

GWh



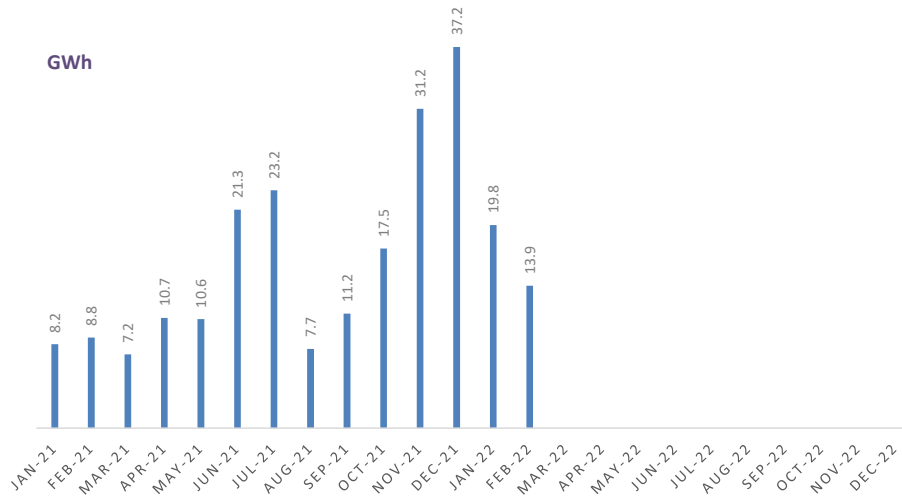
RANDENIGALA POWER STATION (114 MW)

GWh



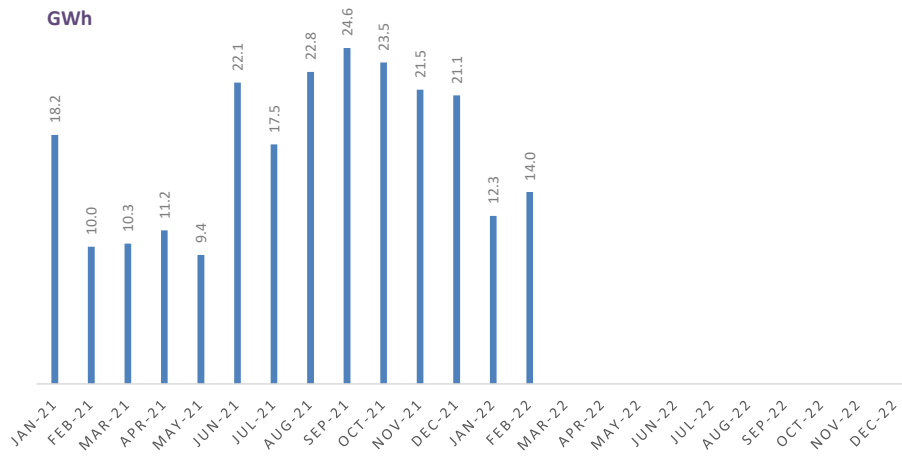
RANTAMBE POWER STATION (50 MW)

GWh



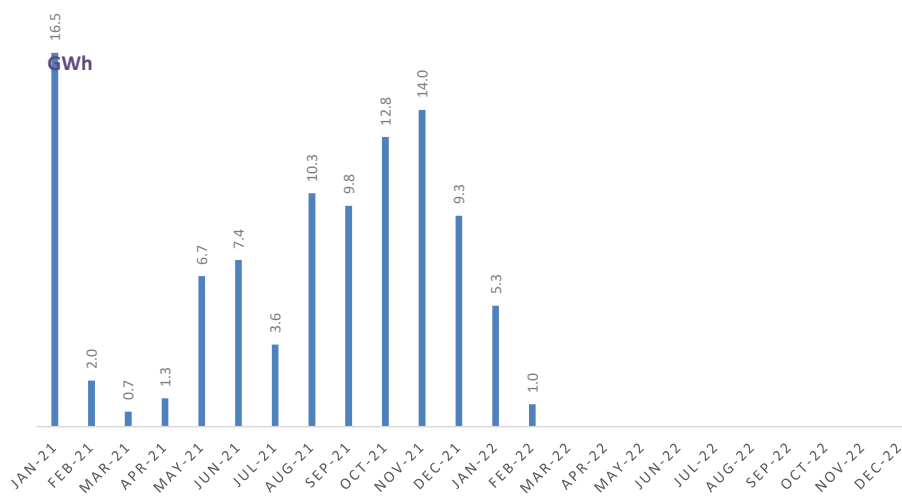
UKUWELA POWER STATION (37 MW)

GWh



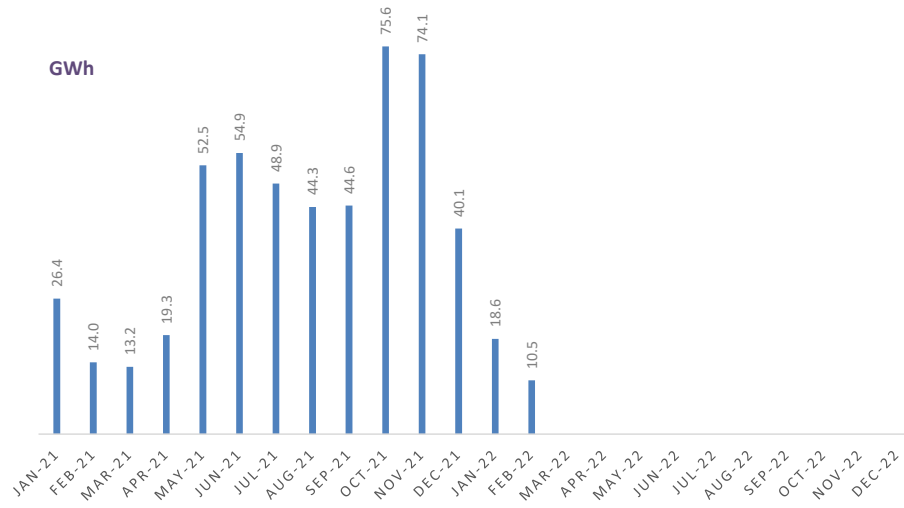
BOWATHENNA POWER STATION (40 MW)

GWh



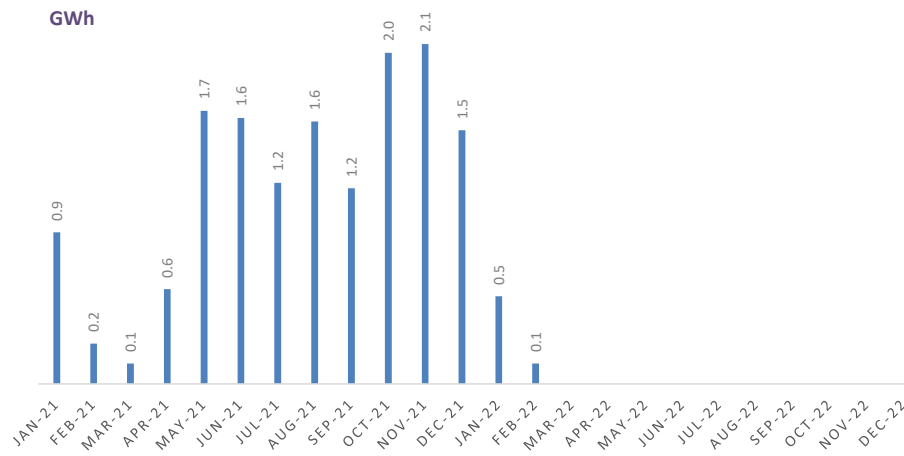
UPPER KOTMALE POWER STATION (150 MW)

GWh



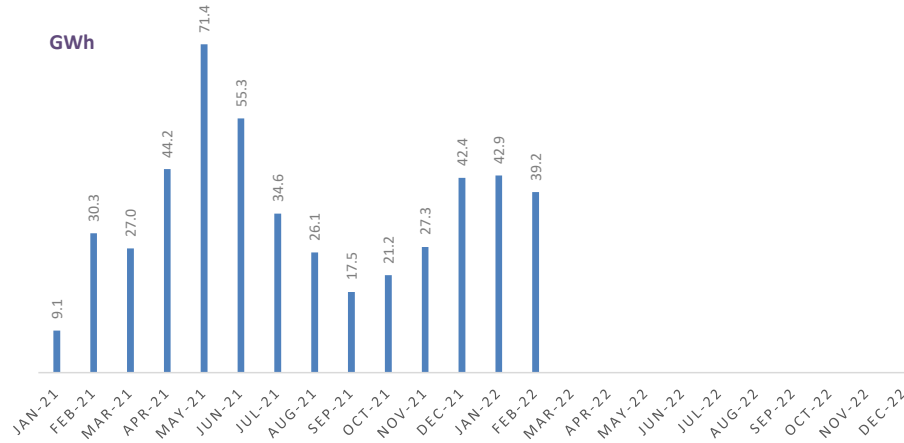
NILLAMBE POWER STATION (3 MW)

GWh

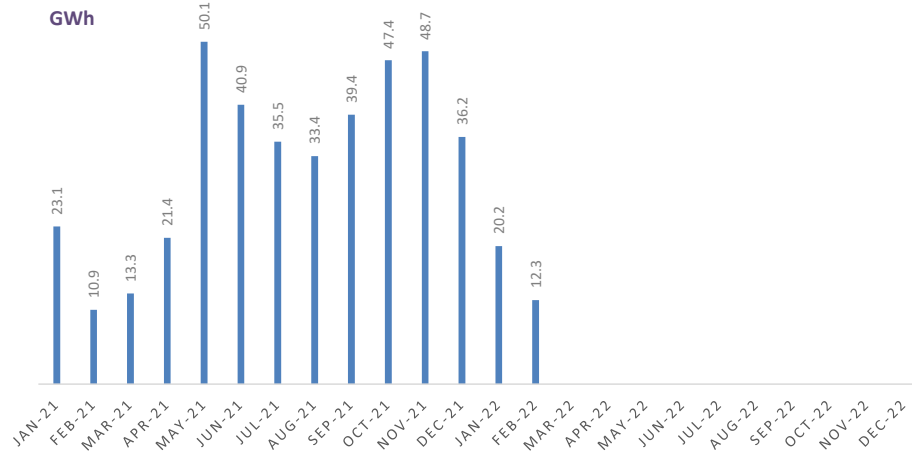


SAMANALAWEWA POWER STATION (120 MW)

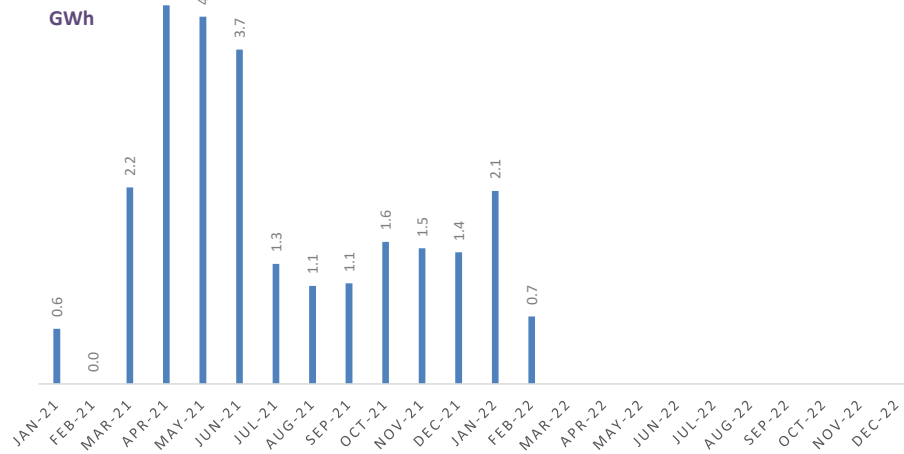
GWh



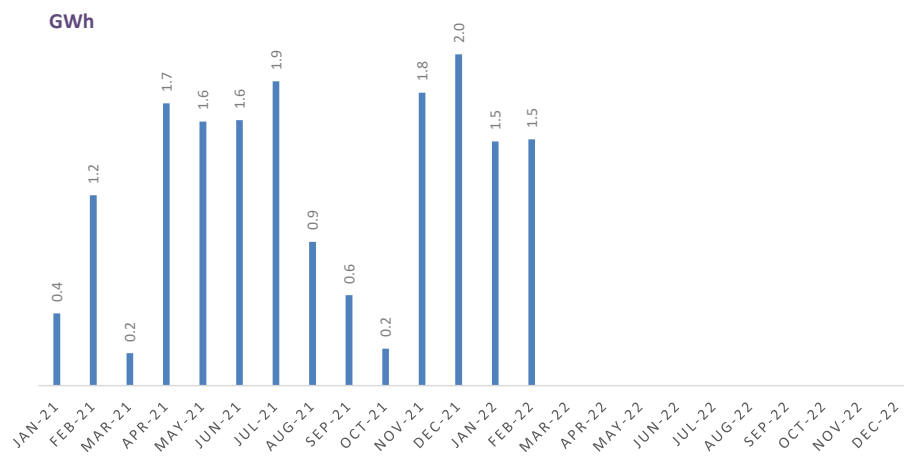
KUKULE POWER STATION (75 MW)



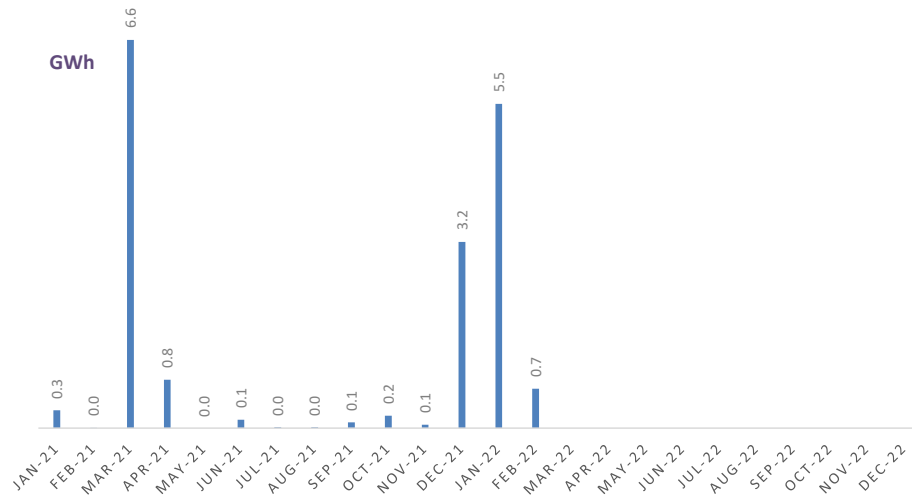
INGINIYAGALA POWER STATION (11 MW)



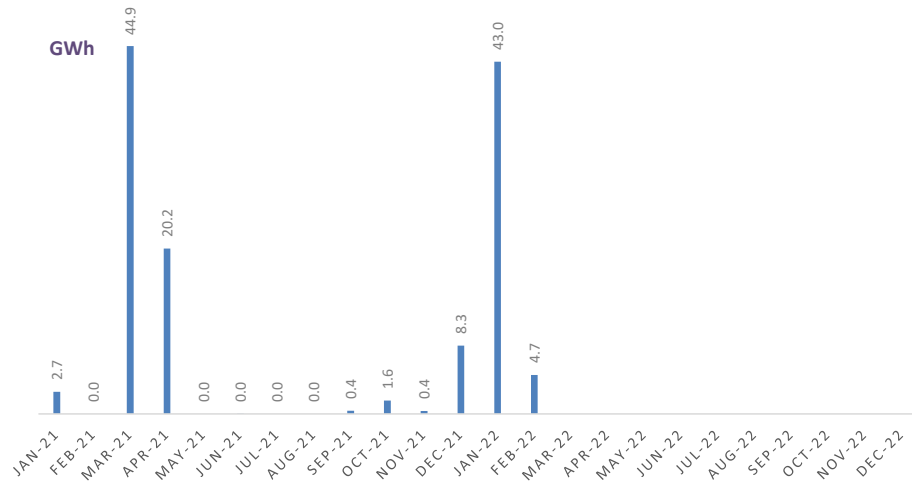
UDAWALAWE POWER STATION (6 MW)



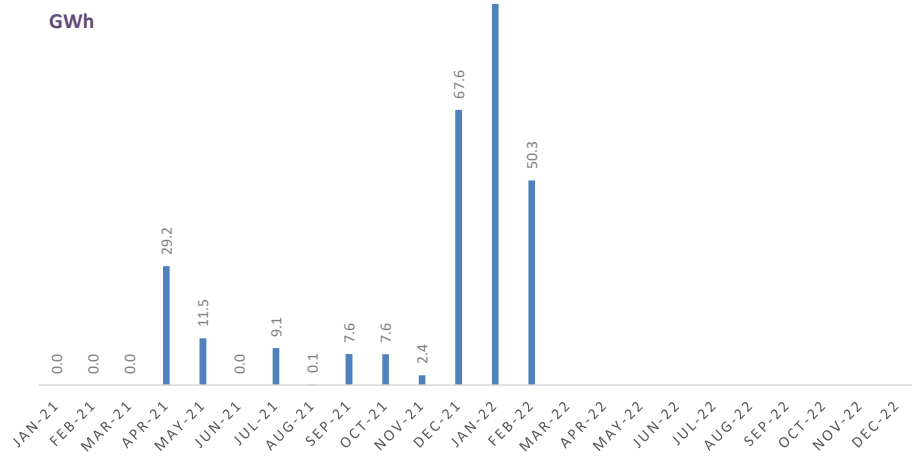
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



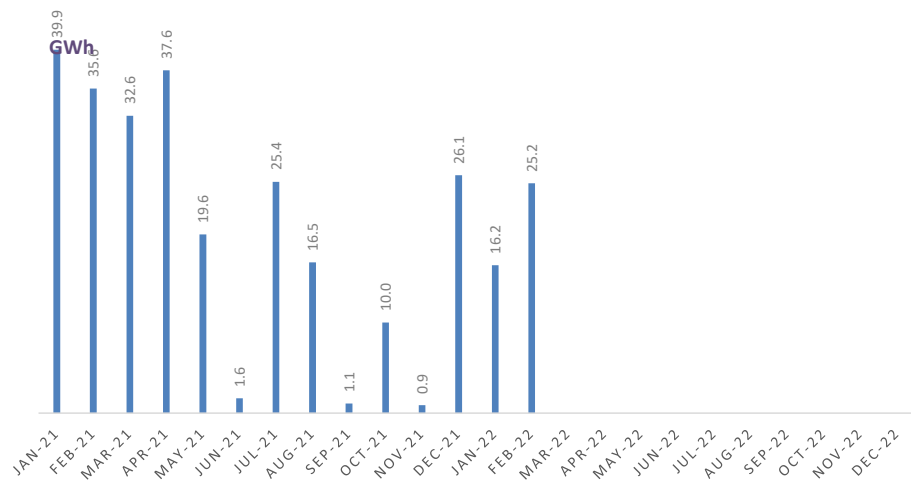
KELANITISSA GT 7 (115 MW)



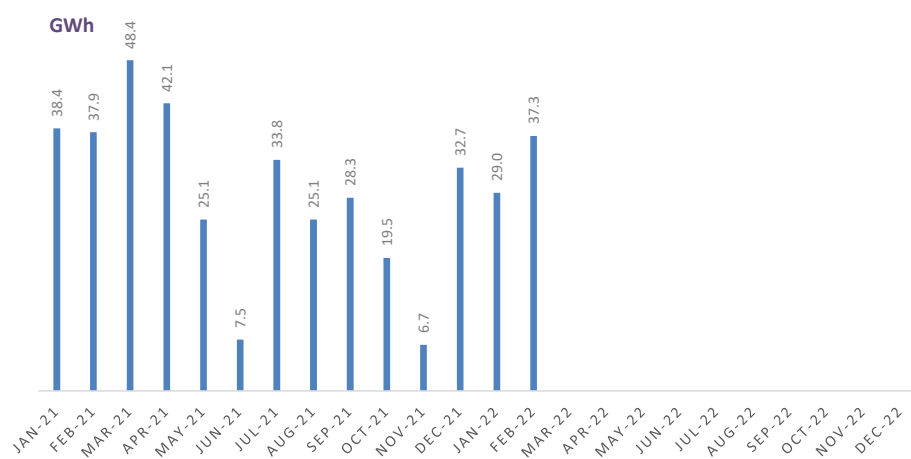
KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



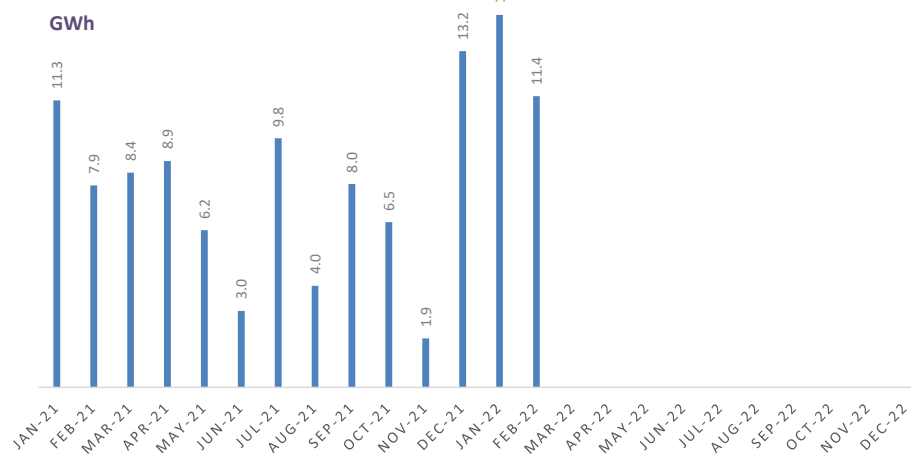
SAPUGASKANDA - A POWER STATION (80 MW)



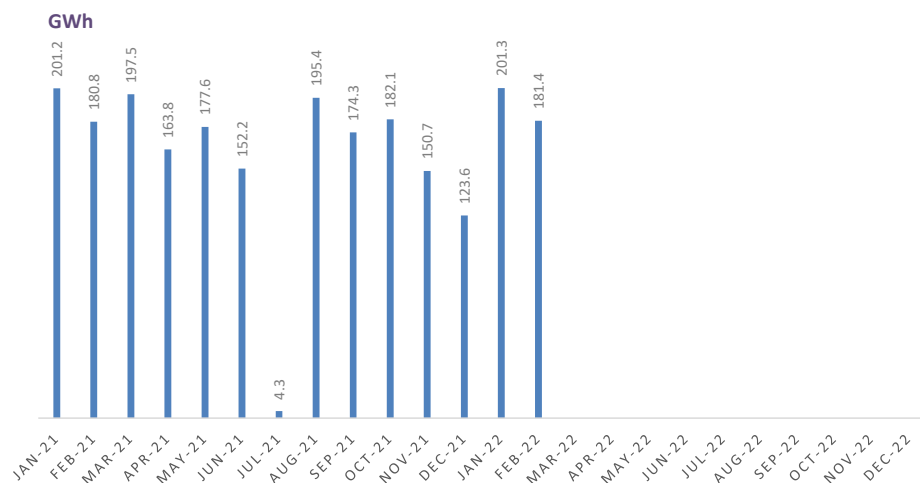
SAPUGASKANDA - B POWER STATION (80 MW)



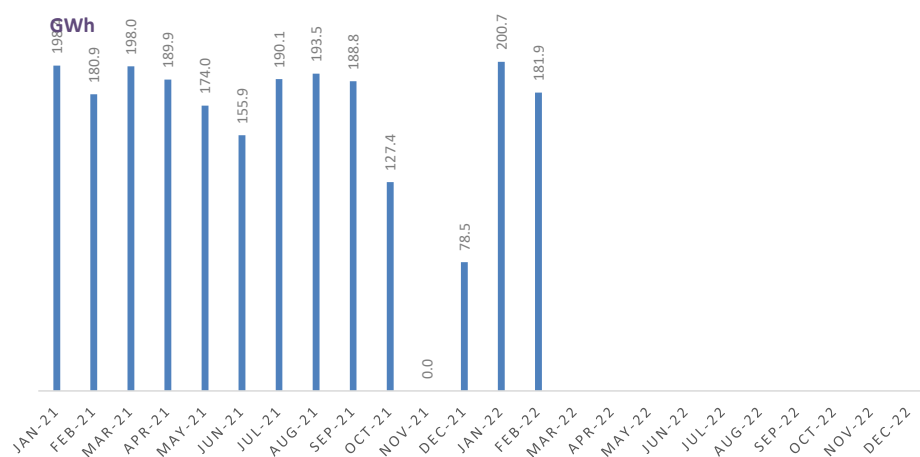
UTHURU JANANEE POWER STATION (26 MW)



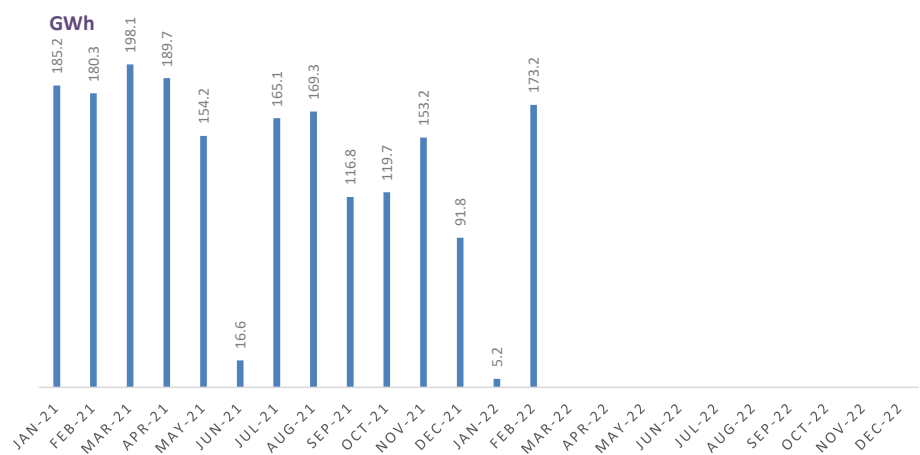
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



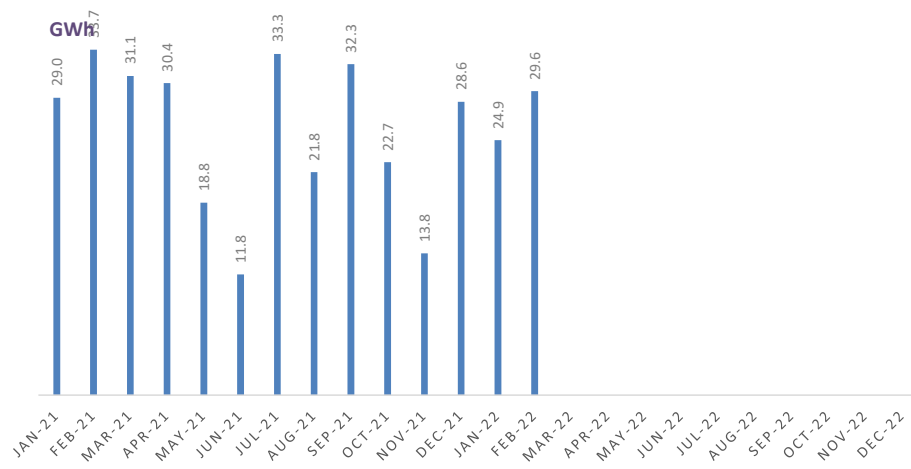
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



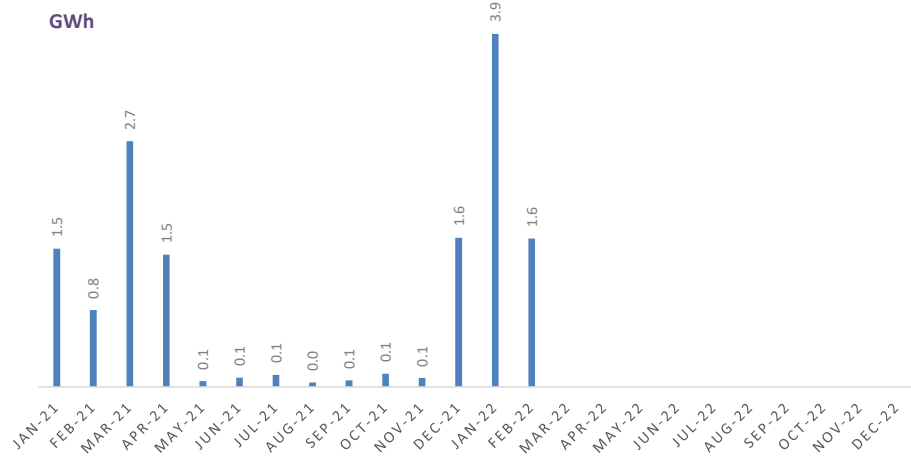
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



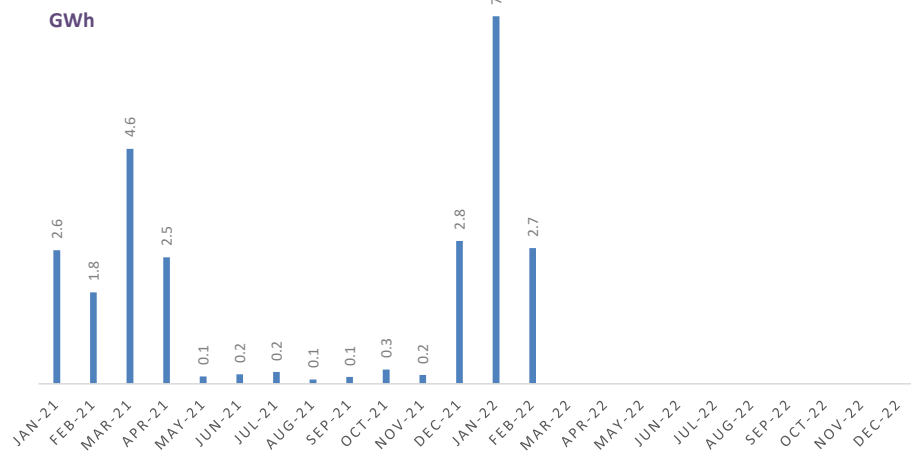
BARGE POWER STATION - CEB (60 MW)



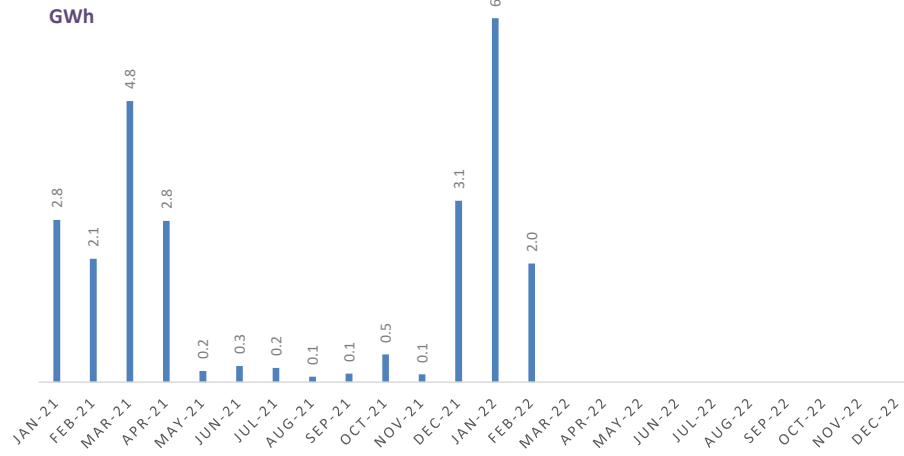
THULHIRIYA - CEB (10 MW)



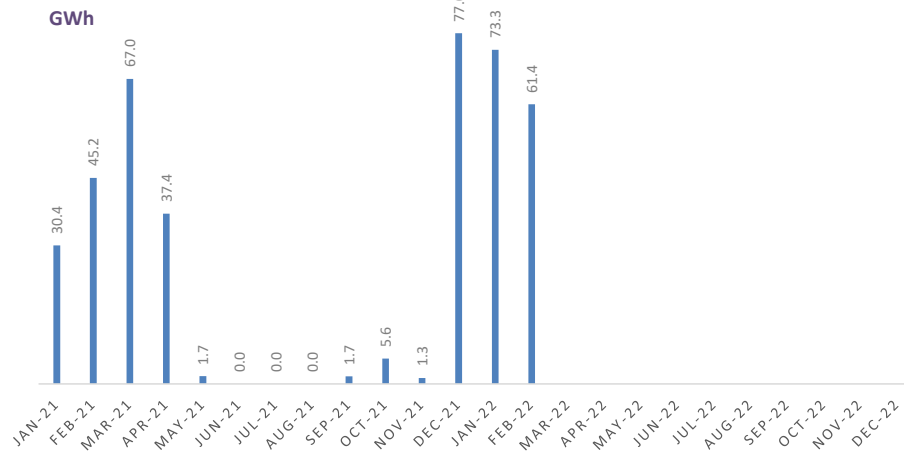
KOLONNAWA - CEB (20 MW)



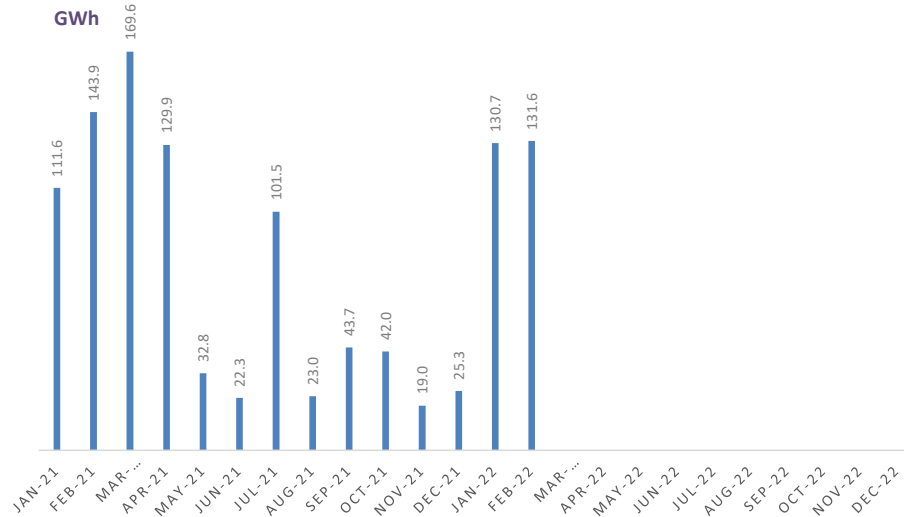
MATHUGAMA - CEB (20 MW)



SOJITZ KELANITISSA POWER STATION (160 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



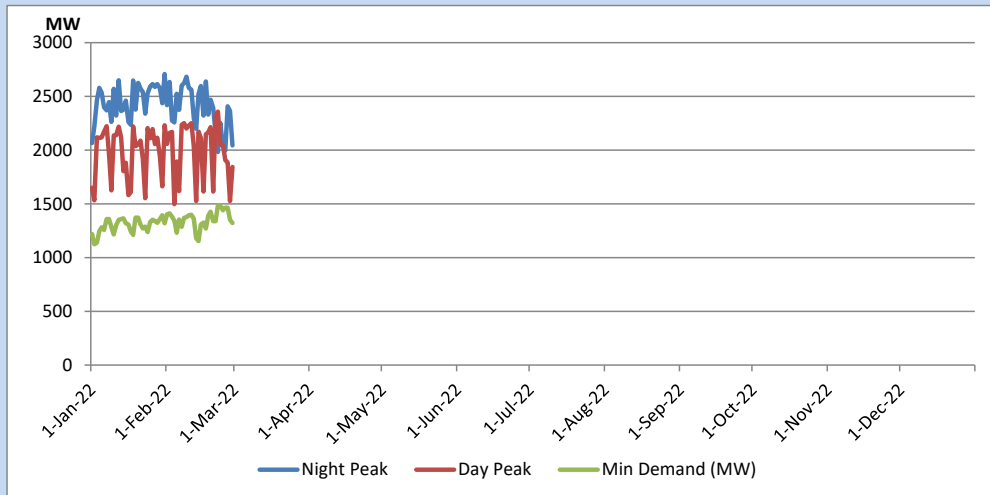
3 Peak Demand

During the month;

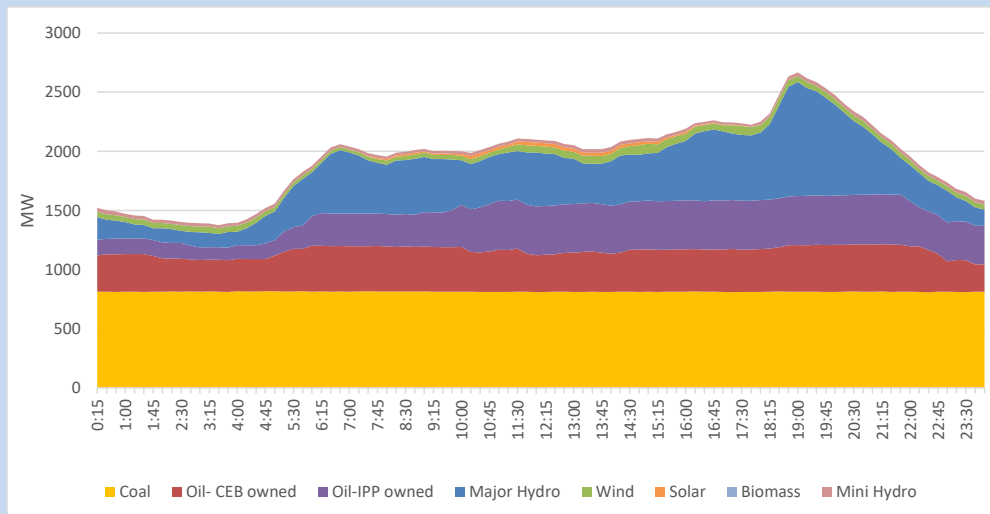
Highest Peak Demand	2,683 MW	on	9-Feb
Lowest Peak Demand	1,983 MW	on	22-Feb
Highest Day Peak Demand	2,358 MW	on	22-Feb
Minimum Demand	1,154 MW	on	14-Feb

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

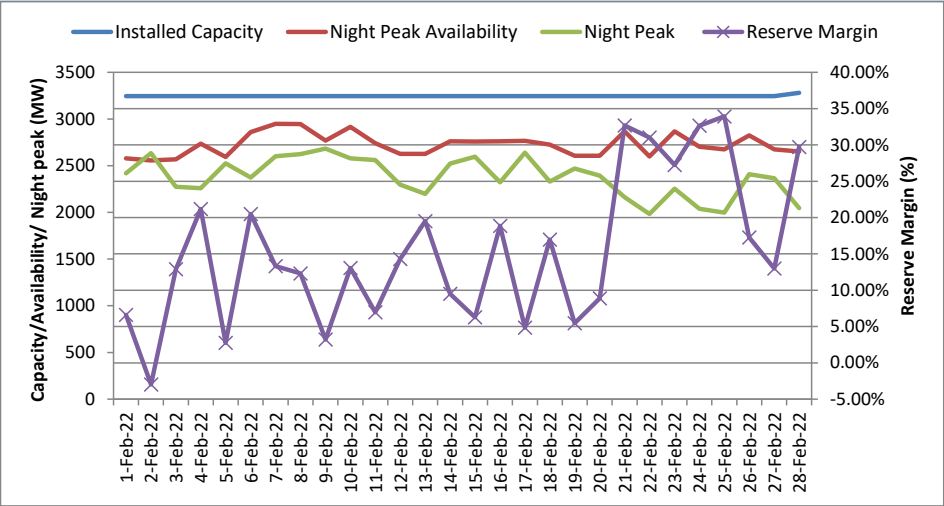
3.1 Demand Variation During the year



3.2 Load Curve of the Day with Highest Night Peak , 9-Feb



3.3 Variation of Reserve Margin During Night Peak

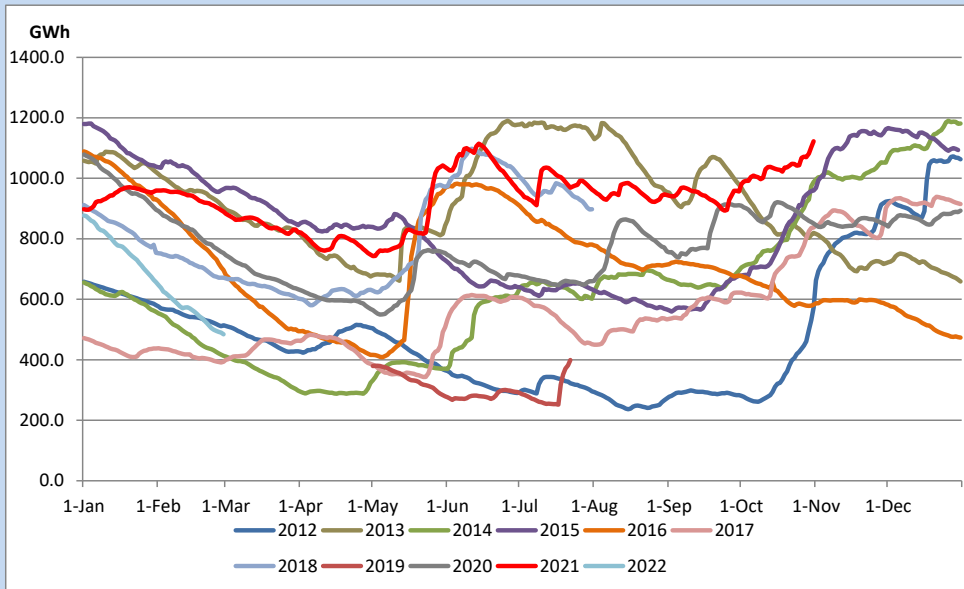


Note:Contribution from NCRE plants is not included

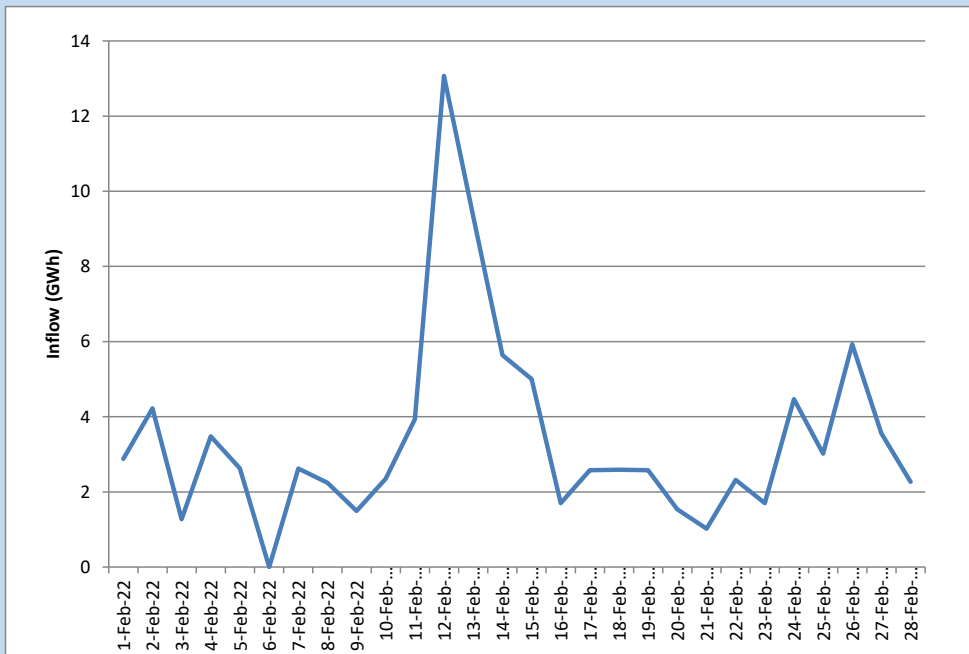
4 Reservoir Statistics

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

