

Monthly Generation Report

February-23

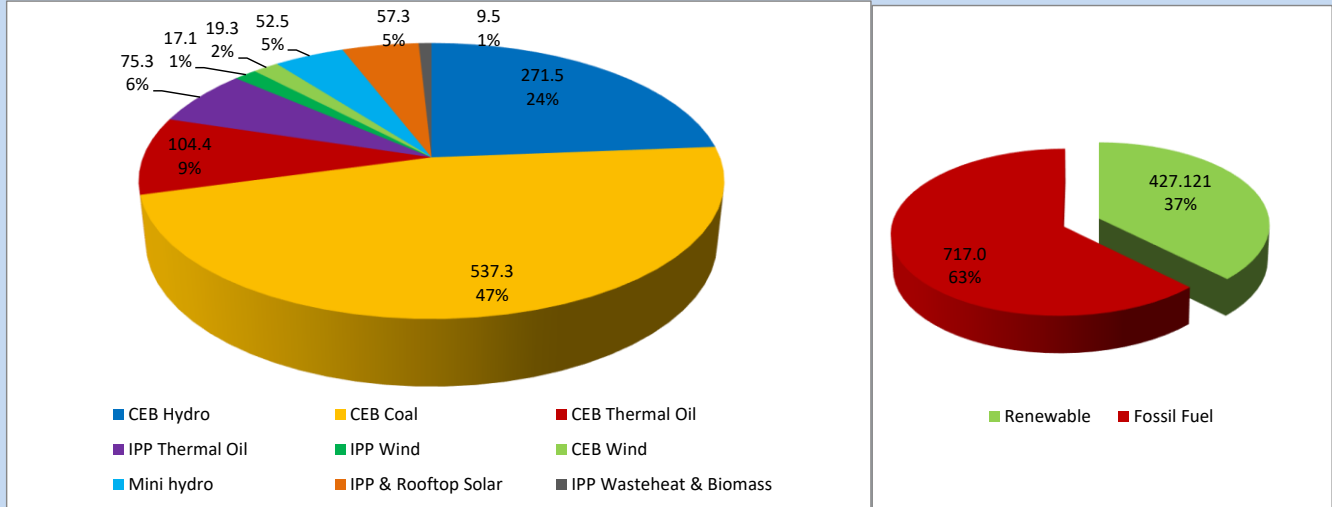


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

February-23

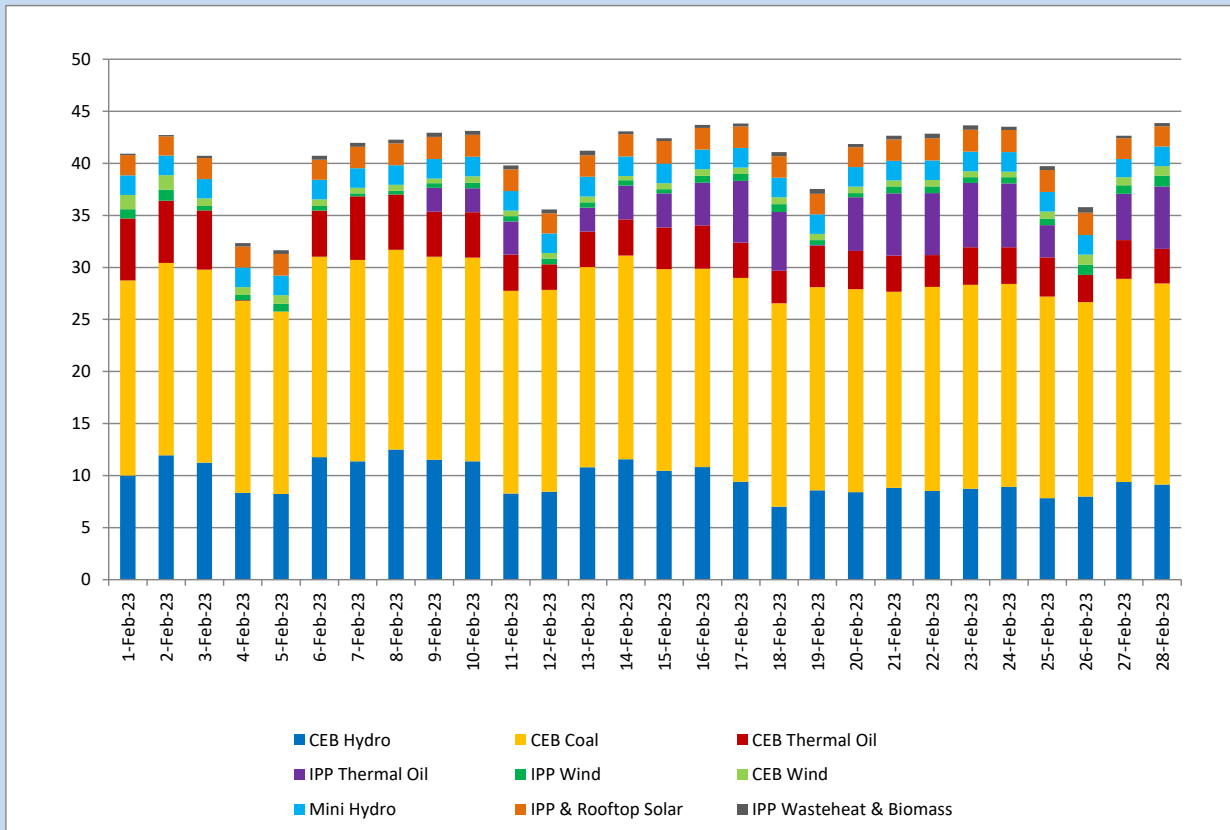


Total Generation = **1,144 GWh**

Total Estimated Unserved Energy duty power cut = **26.94 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



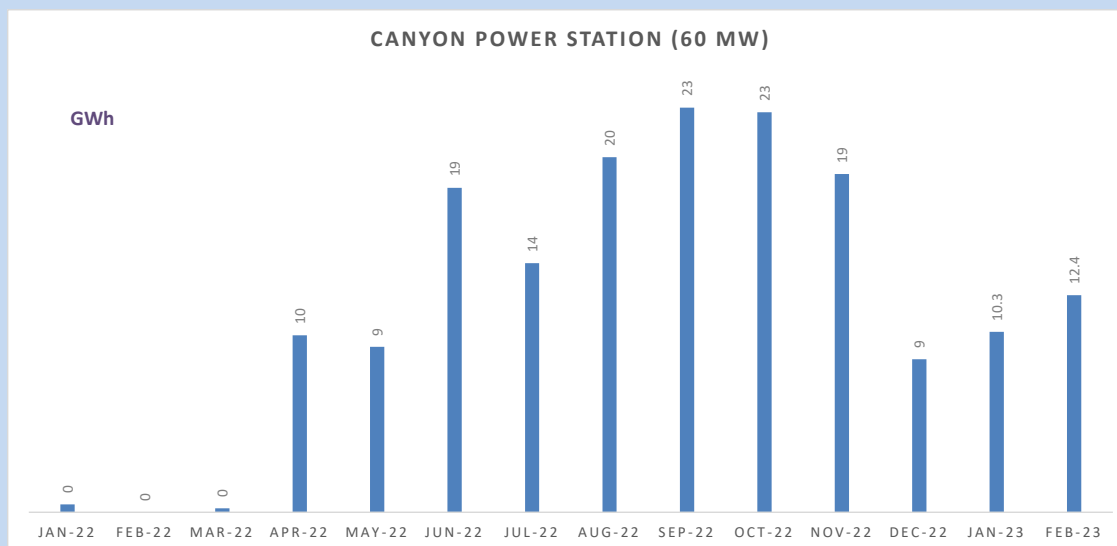
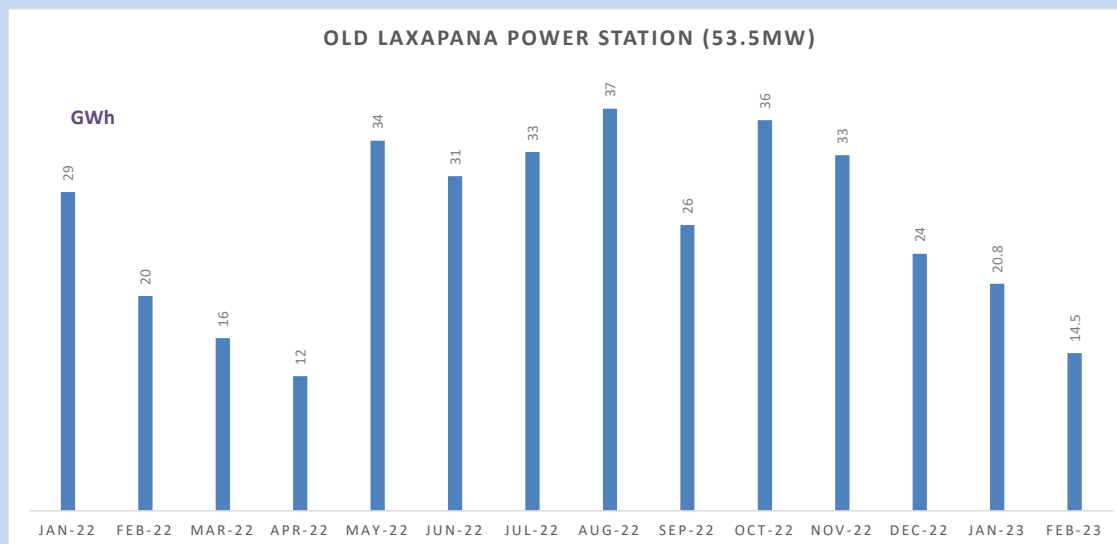
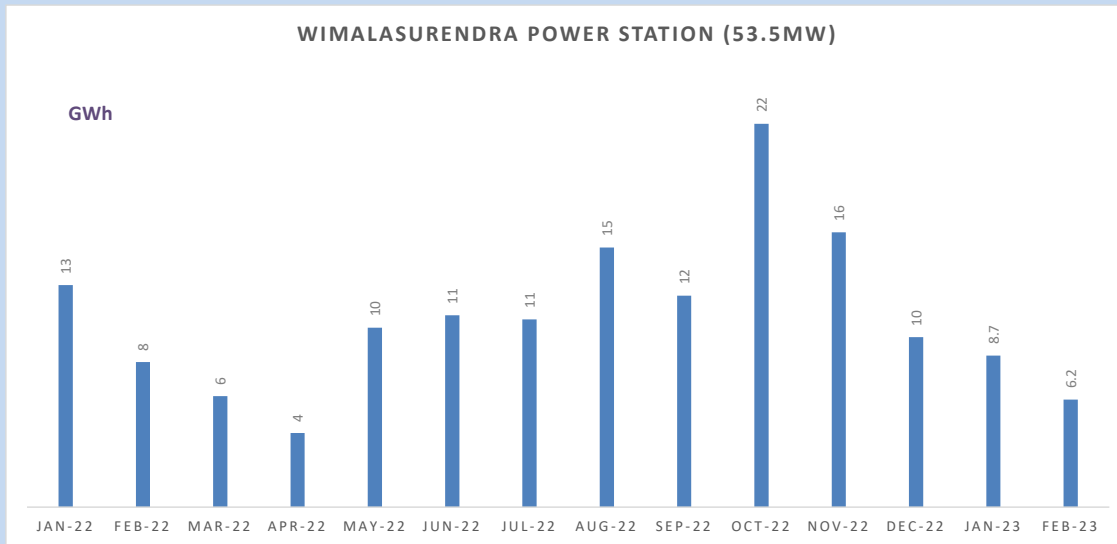
2 Major Plant Dispatch

2.1 Dispatch from all Generation Major Plants in

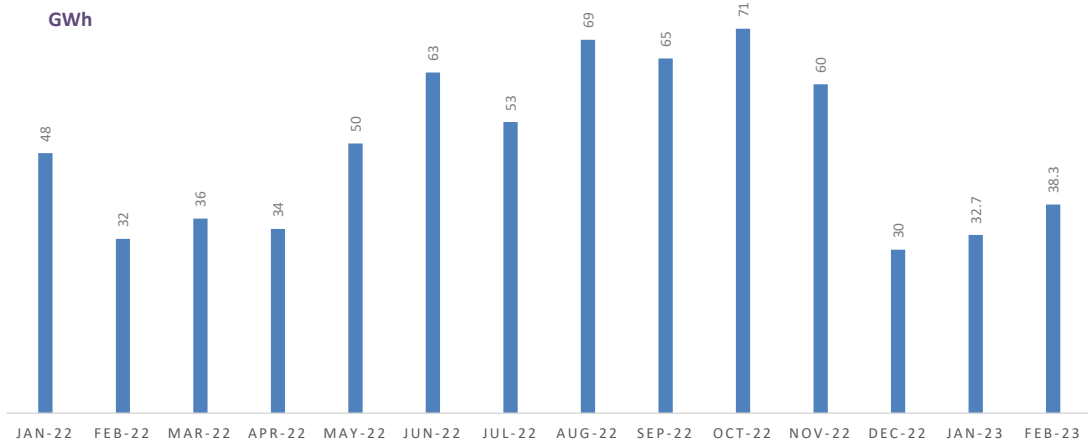
February-23

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	6,169	18.4%
Old Laxapana	54	14,484	39.9%
Canyon	60	12,449	30.9%
New Laxapana	100	38,315	57.0%
Polpitiya	90	26,074	43.1%
Broadlands	35	3,018	12.8%
Kotmale	201	26,100	19.3%
Victoria	225	43,457	28.7%
Randenigala	114	32,362	42.2%
Rantambe	50	15,653	46.6%
Ukuwela	37	13,062	52.5%
Bowatenna	40	2,959	11.0%
Upper Kotmale	150	9,141	9.1%
Nilambe	3	404	20.0%
Samanalawewa	120	26,420	32.8%
Kukule	75	0	0.0%
Inginiyagala	11	445	6.0%
Udawalawe	6	979	24.3%
Puttalam Coal I	270	177,853	98.0%
Puttalam Coal II	270	178,295	98.3%
Puttalam Coal III	270	181,169	99.9%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	161	20,099	18.6%
Sapugaskanda A	70	20,772	44.2%
Sapugaskanda B	70	33,203	70.6%
Uthura Janani	26	8,591	49.2%
Barge CEB	60	21,638	53.7%
CEB - Thulhiriya	10	0	0.0%
CEB - Kolonnawa	20	0	0.0%
CEB - Mathugama	20	66	0.5%
Sojitz Kelanitissa	163	0	0.0%
West Coast	270	75,303	41.5%
ACE Embilipitiya	93	0	0.0%

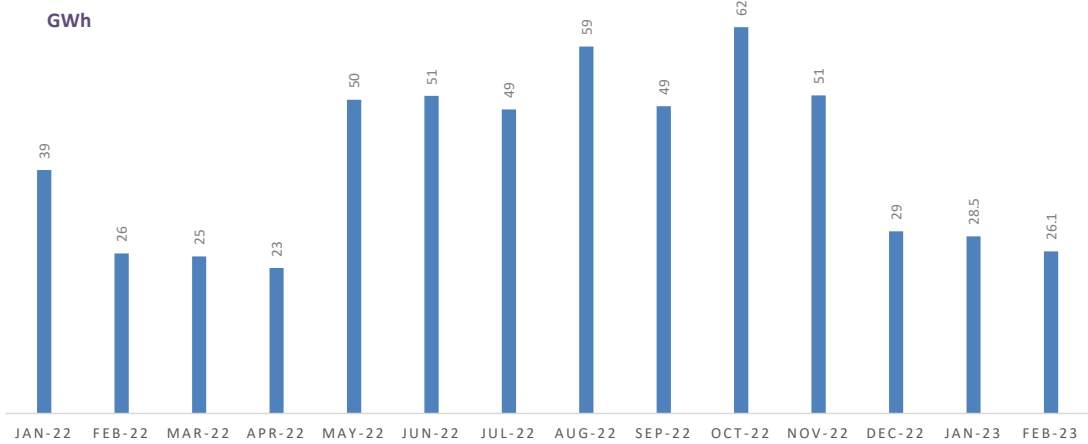
2.3 Generation of Major Power Plants From Last Year



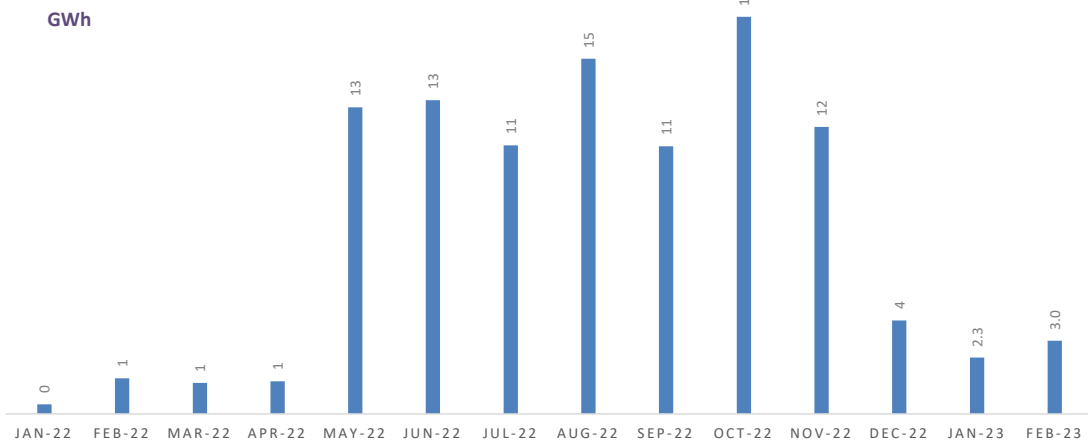
NEW LAXAPANA POWER STATION (115 MW)



POLPITIYA POWER STATION (90 MW)

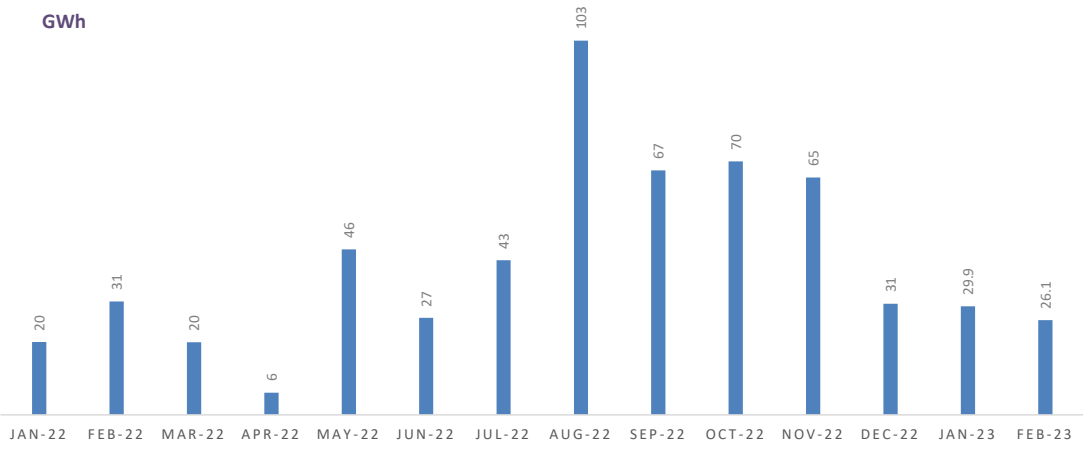


BROADLANDS POWER STATION (35 MW)



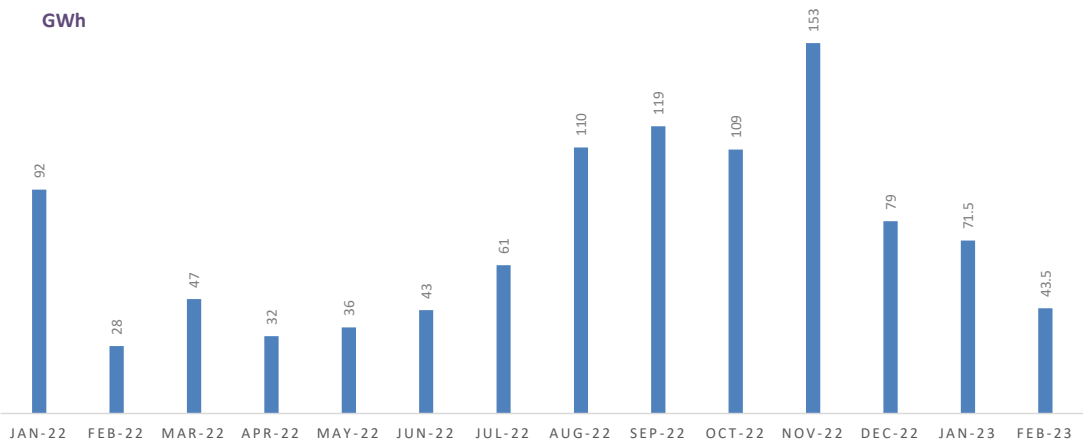
KOTMALE POWER STATION (201 MW)

GWh



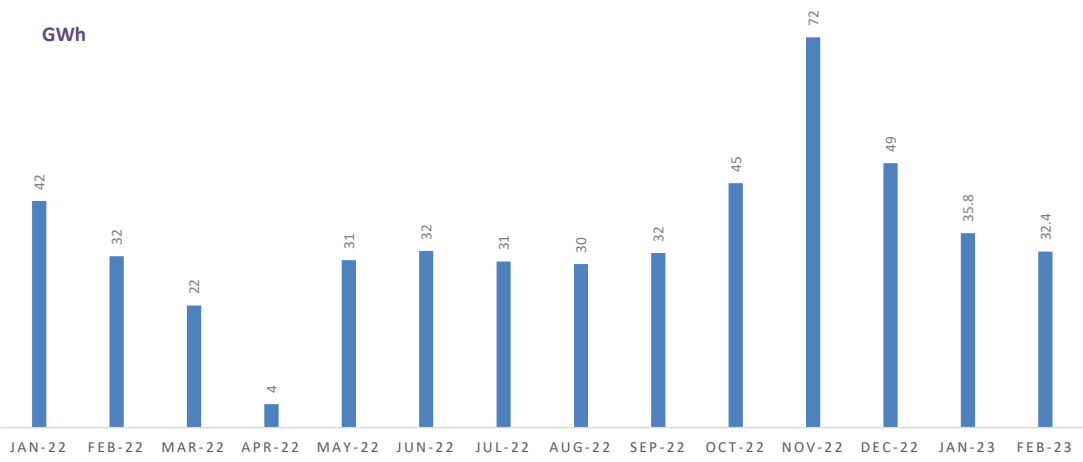
VICTORIA POWER STATION (225 MW)

GWh



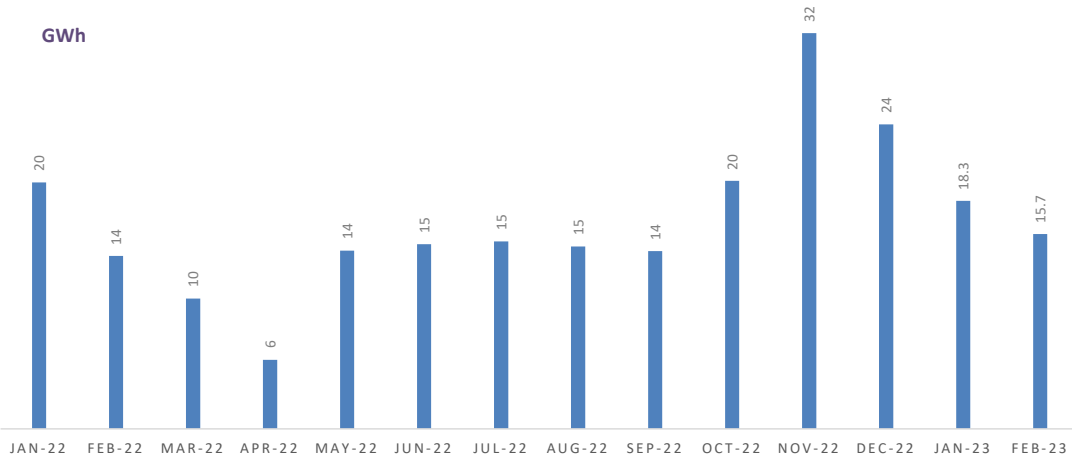
RANDENIGALA POWER STATION (114 MW)

GWh



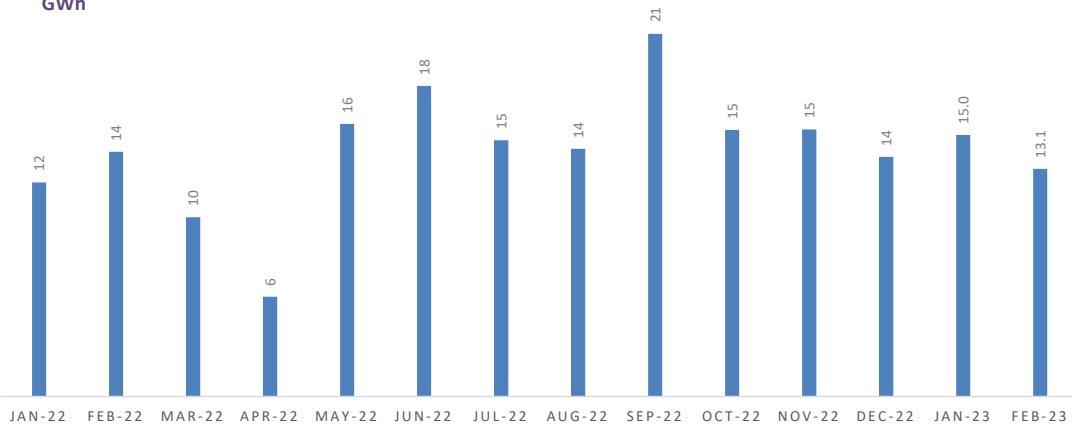
RANTAMBE POWER STATION (50 MW)

GWh



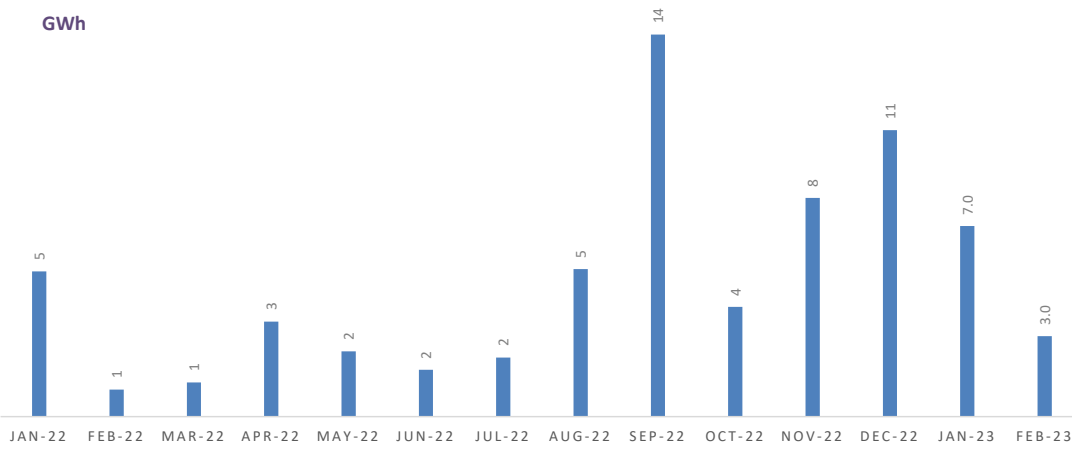
UKUWELA POWER STATION (37 MW)

GWh



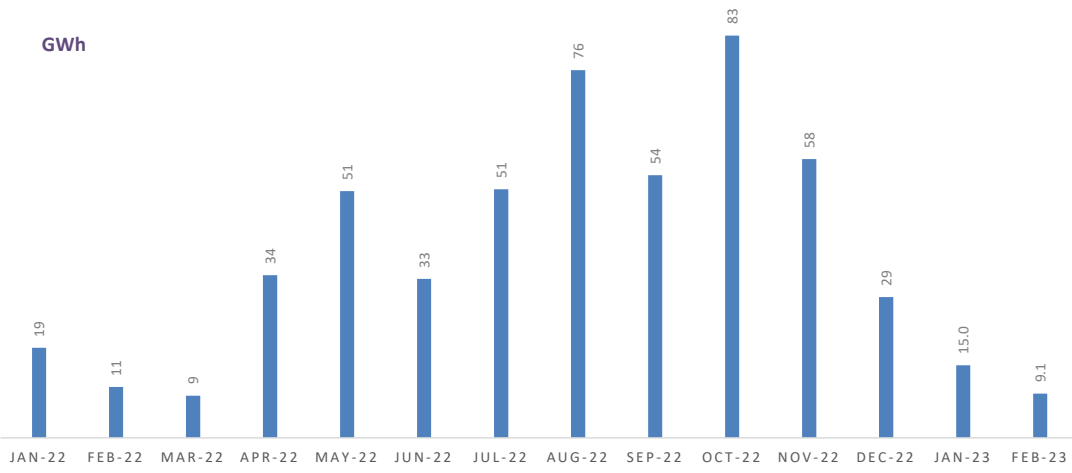
BOWATHENNA POWER STATION (40 MW)

GWh



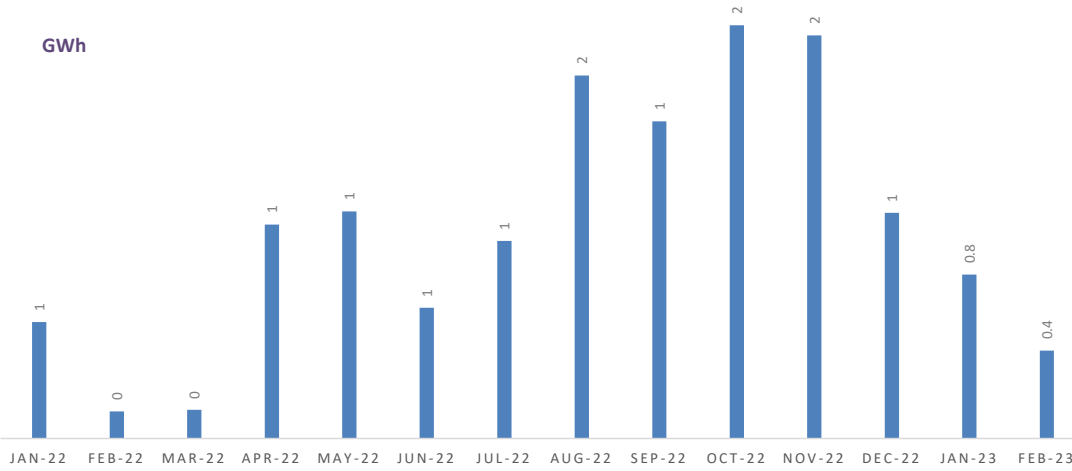
UPPER KOTMALE POWER STATION (150 MW)

GWh



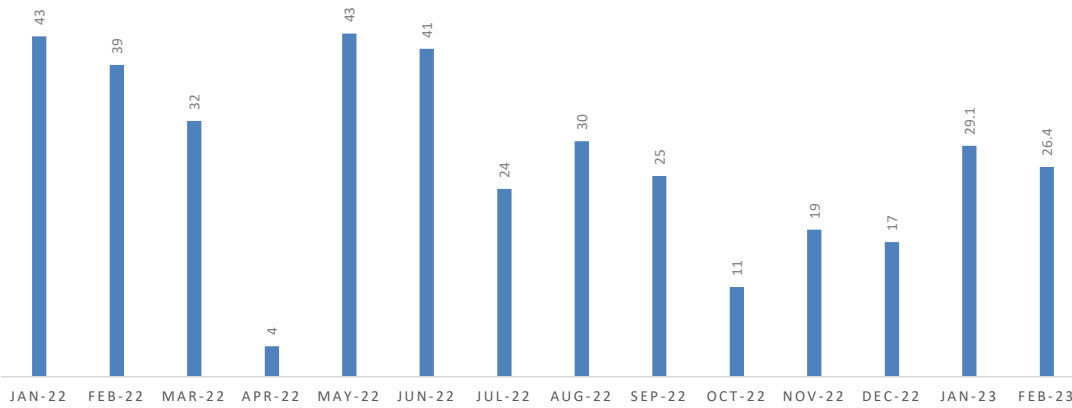
NILLAMBE POWER STATION (3 MW)

GWh



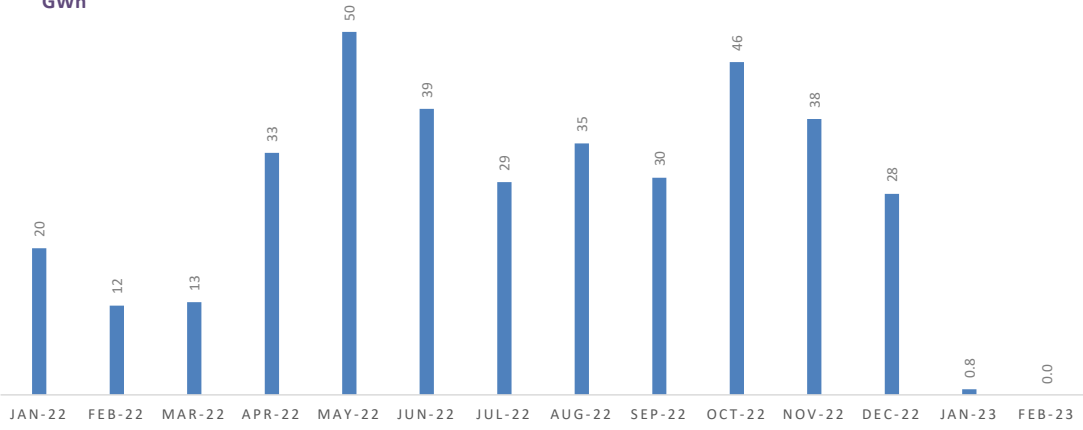
SAMANALAWEWA POWER STATION (120 MW)

GWh



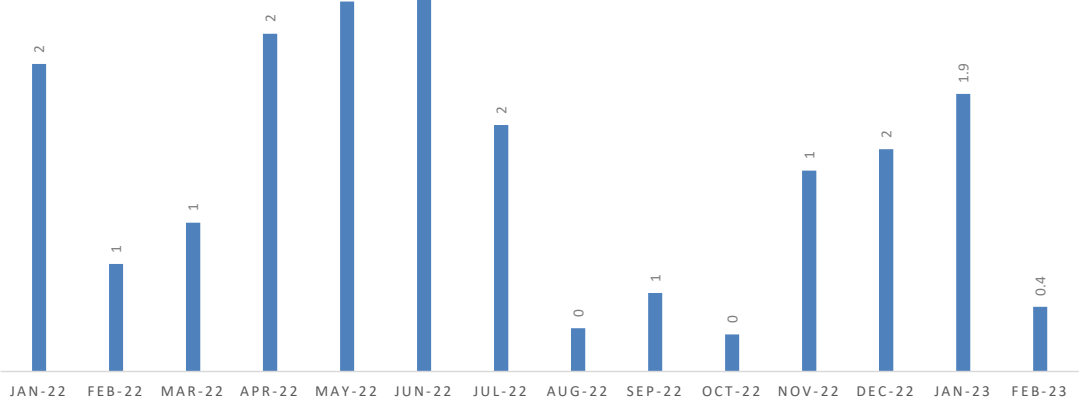
KUKULE POWER STATION (75 MW)

GWh



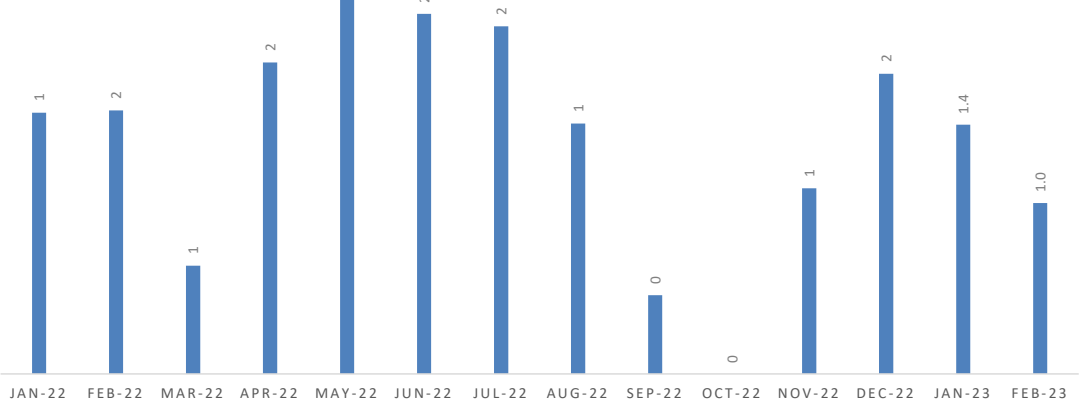
INGINIYAGALA POWER STATION (11 MW)

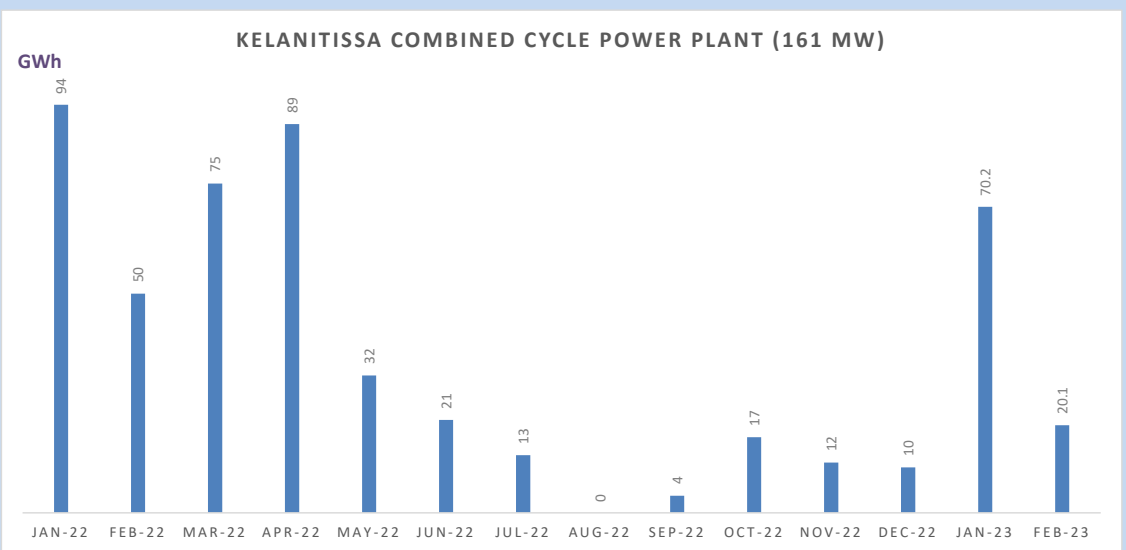
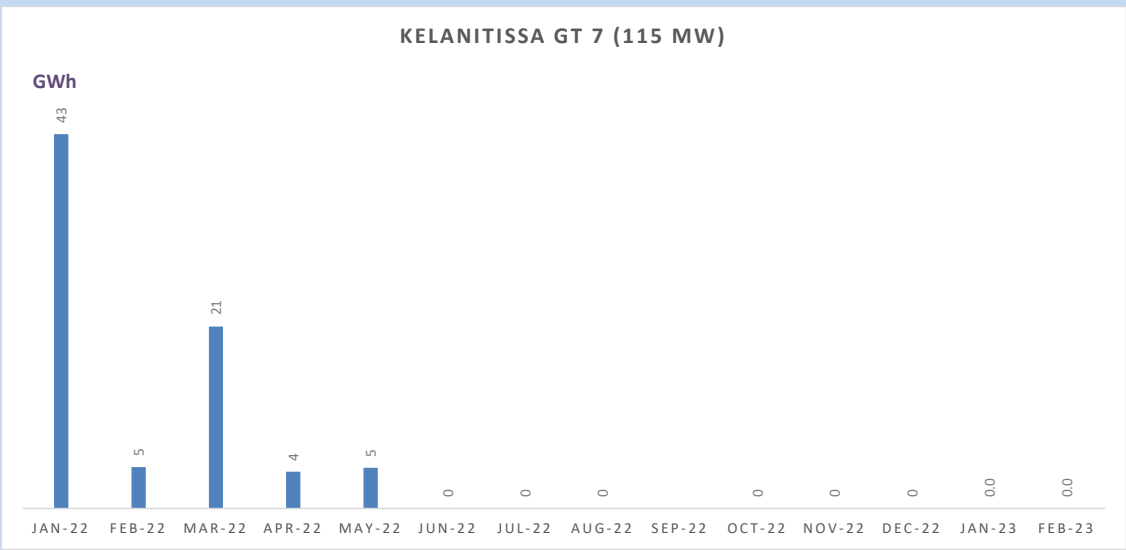
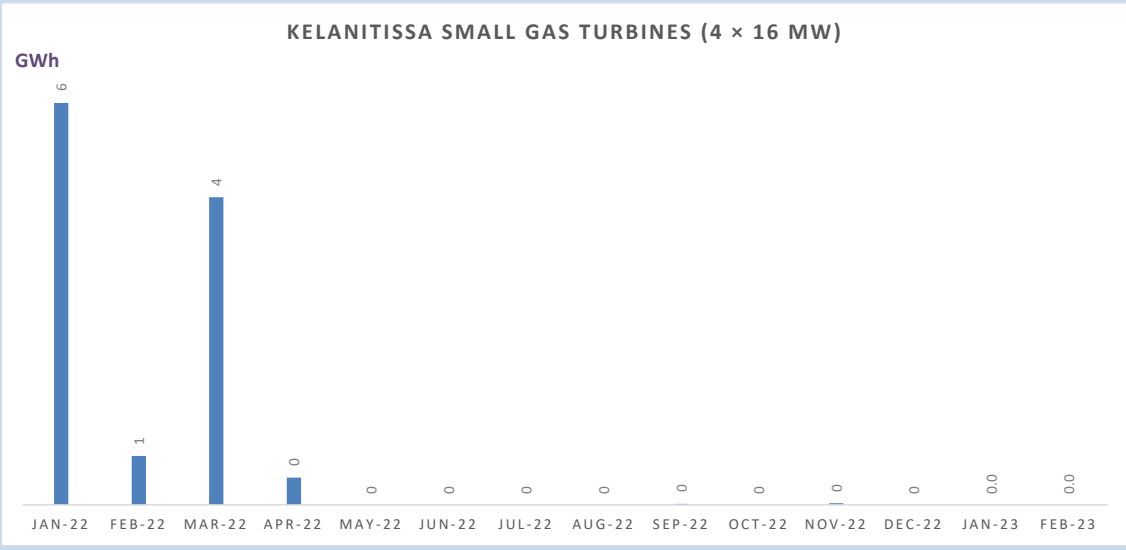
GWh



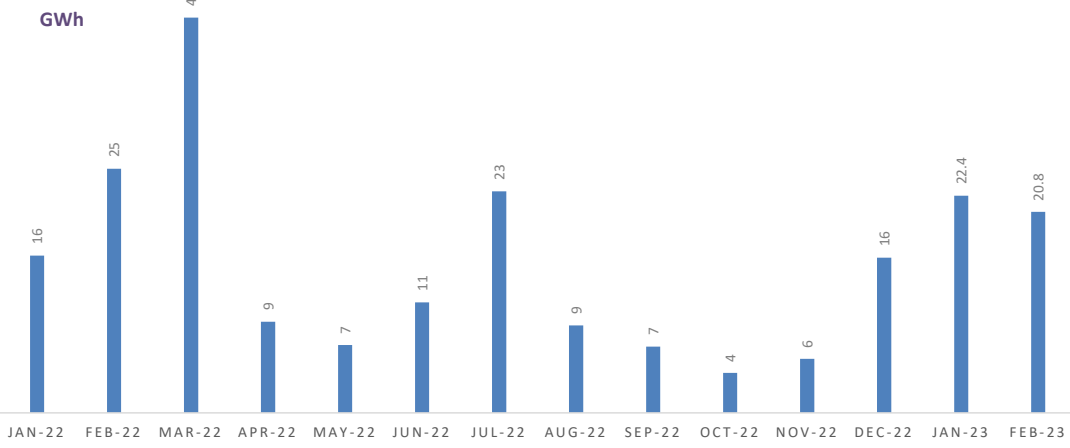
UDAWALAWE POWER STATION (6 MW)

GWh

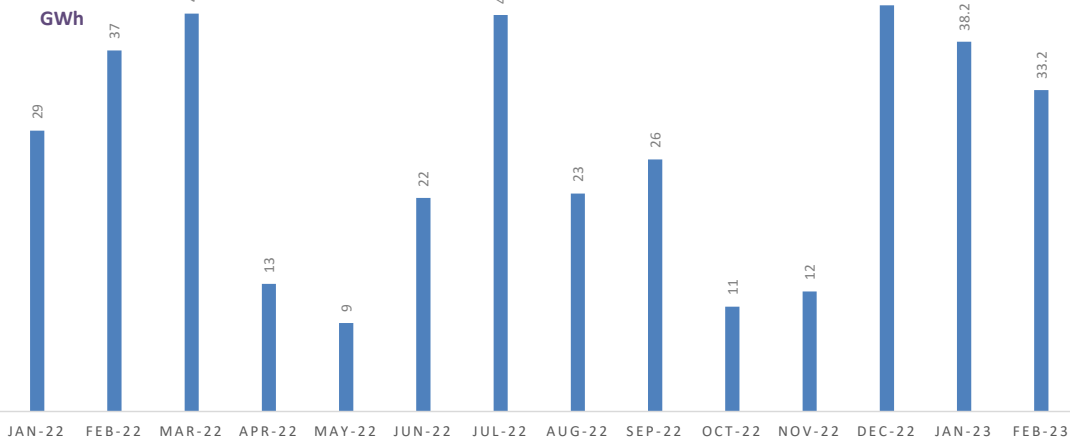




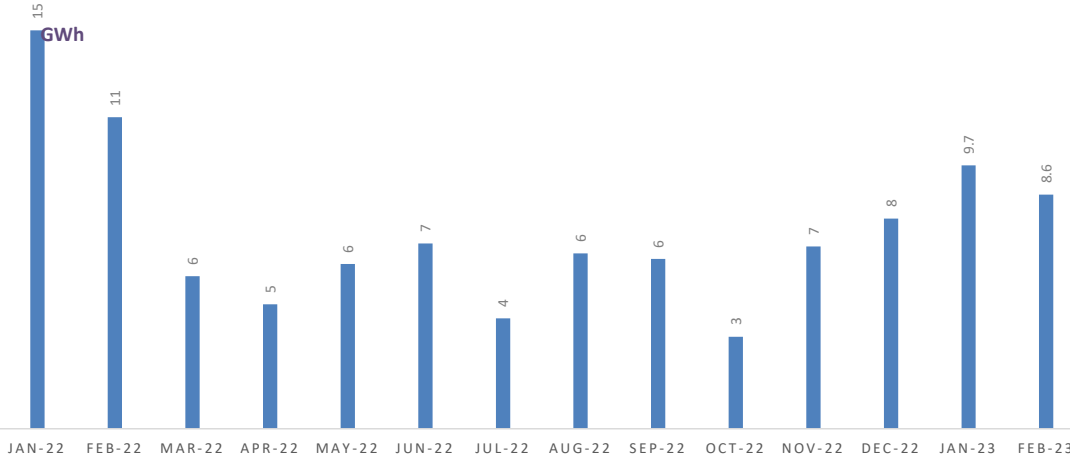
SAPUGASKANDA - A POWER STATION (80 MW)



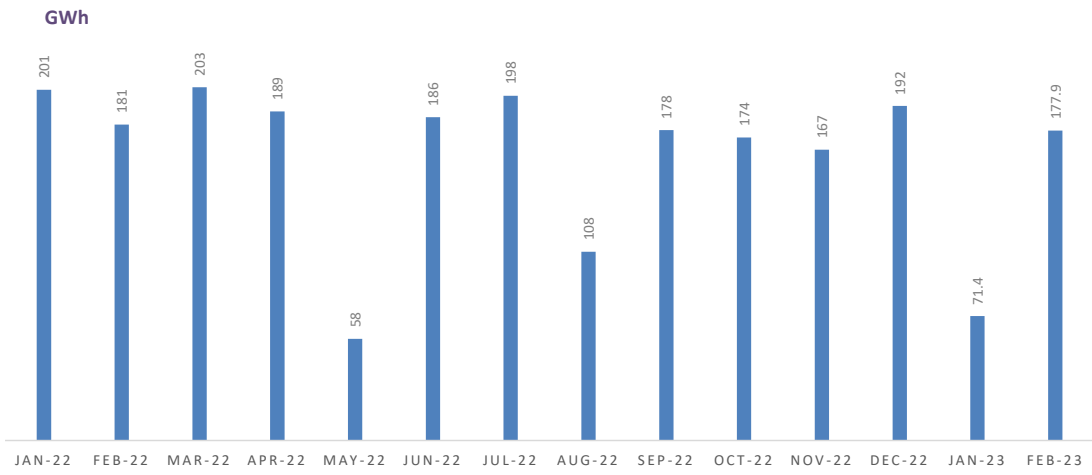
SAPUGASKANDA - B POWER STATION (80 MW)



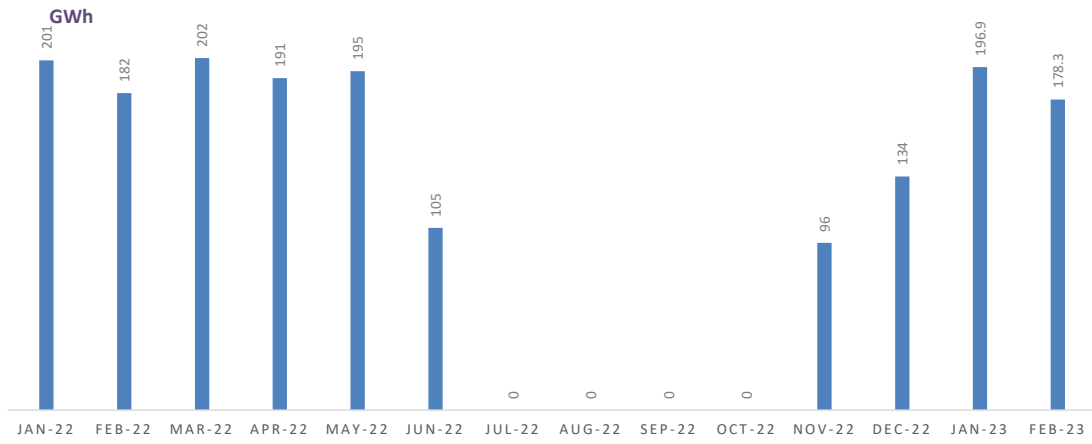
UTHURU JANANEE POWER STATION (26 MW)



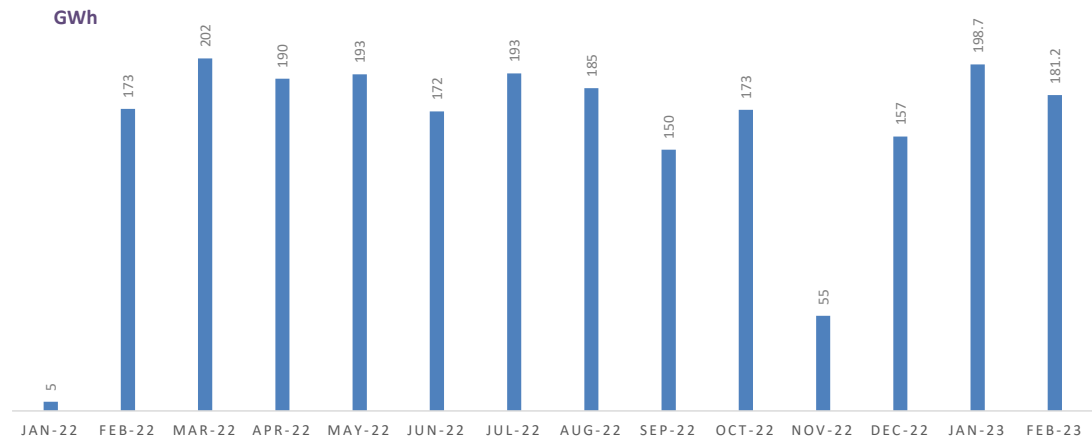
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



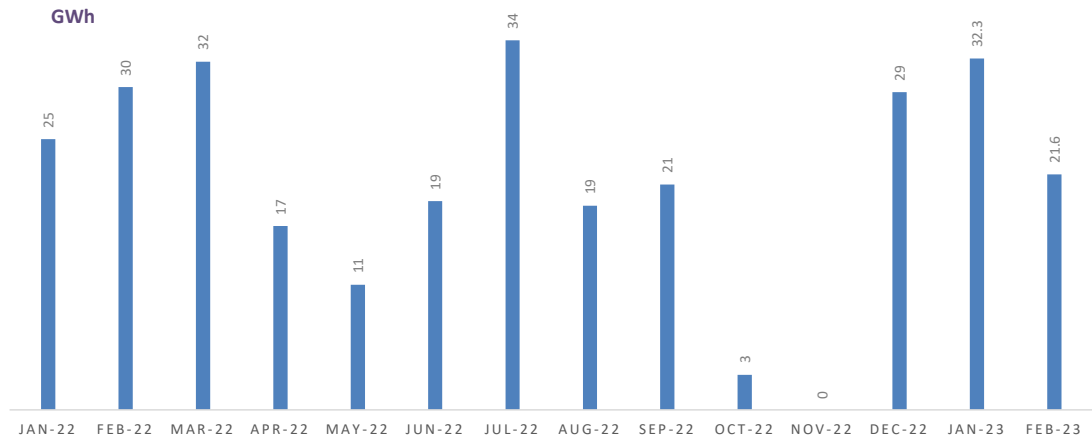
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



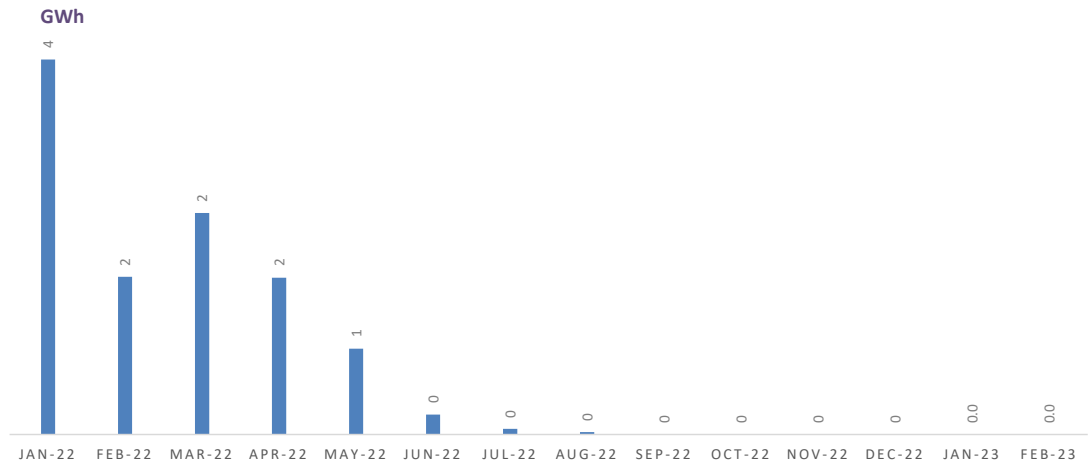
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



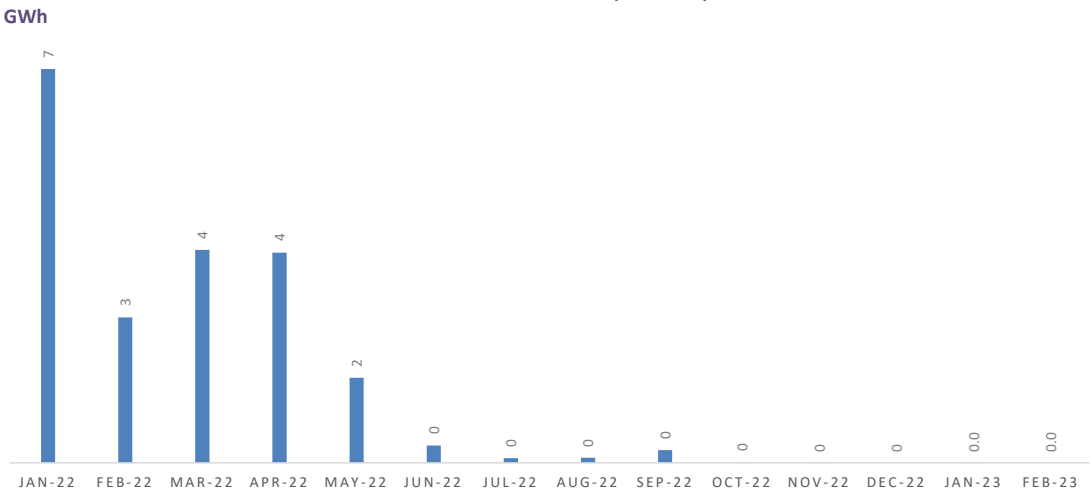
BARGE POWER STATION - CEB (60 MW)



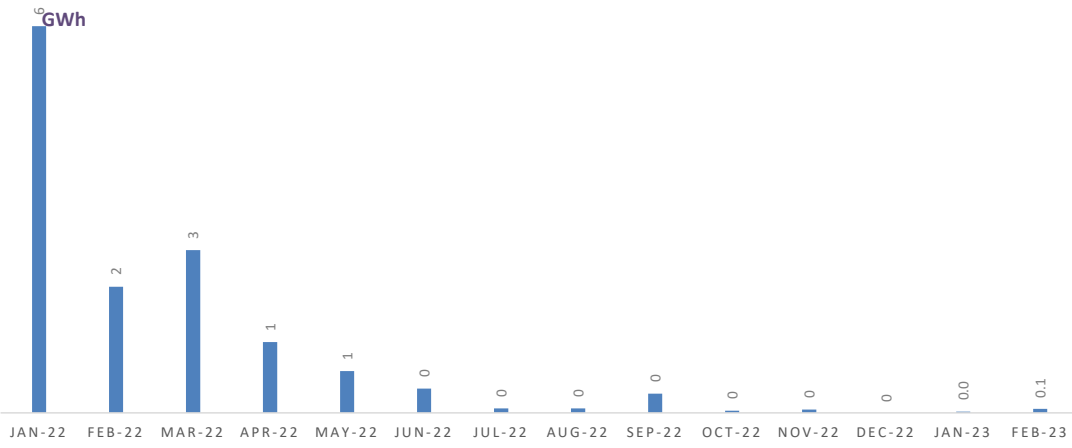
THULHIRIYA - CEB (10 MW)



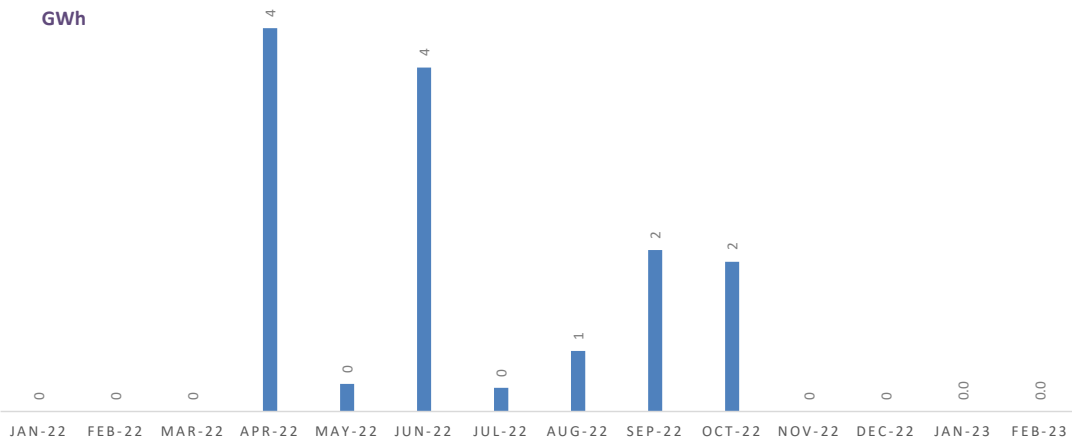
KOLONNAWA - CEB (20 MW)



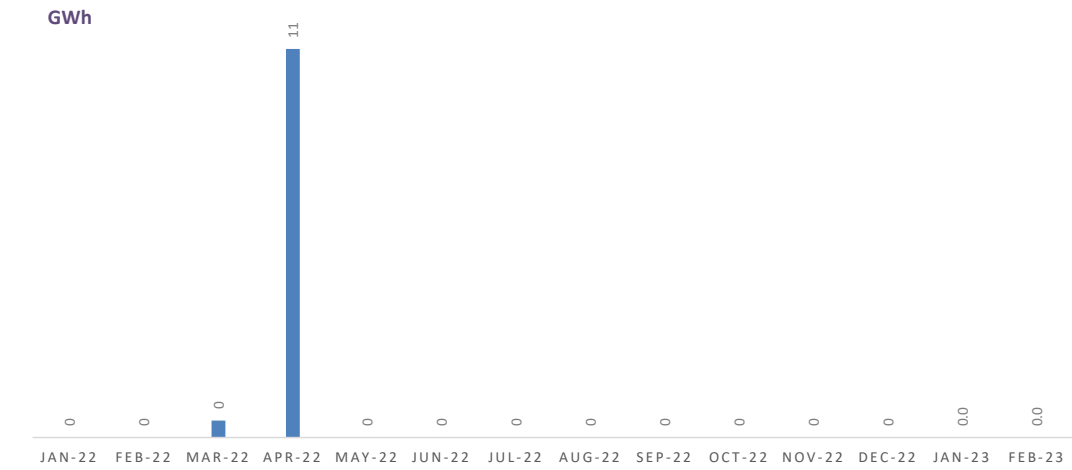
MATHUGAMA - CEB (20 MW)



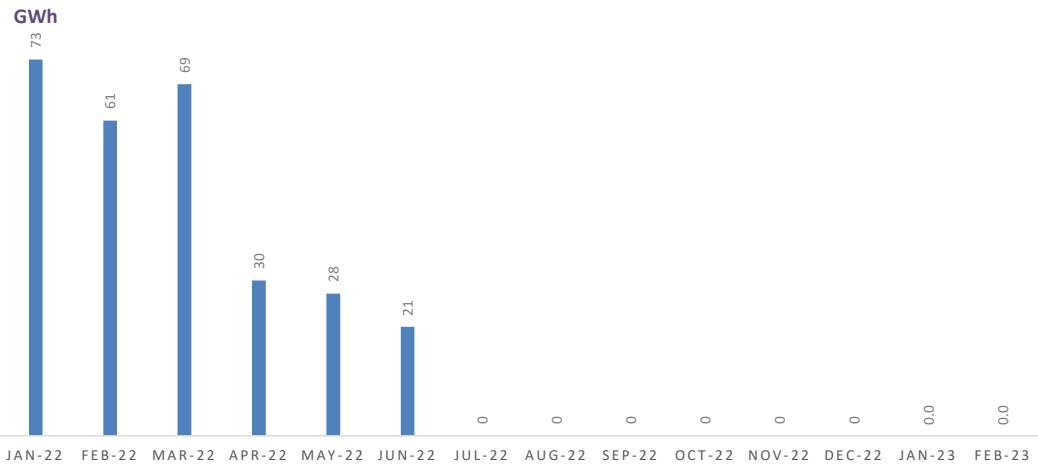
ACE MATARA POWER STATION (24 MW)



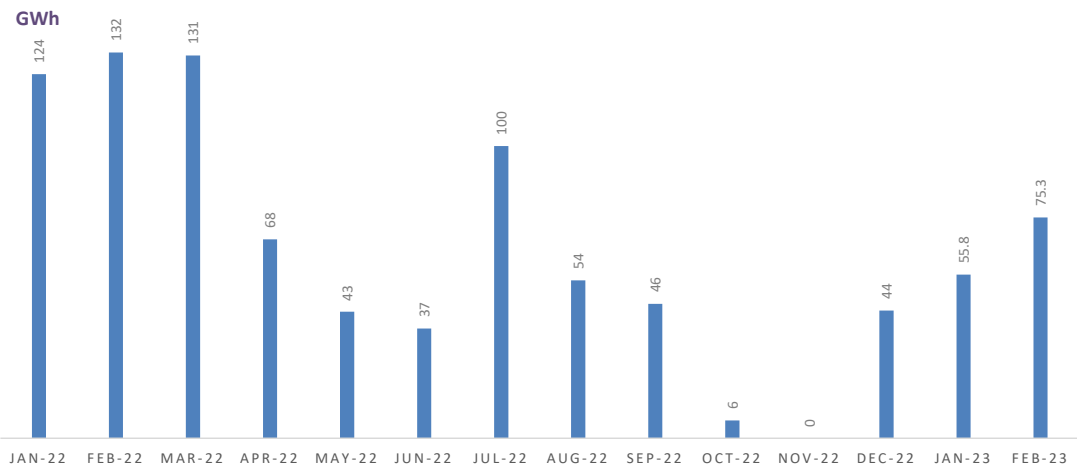
ASIA POWER STATION (51 MW)



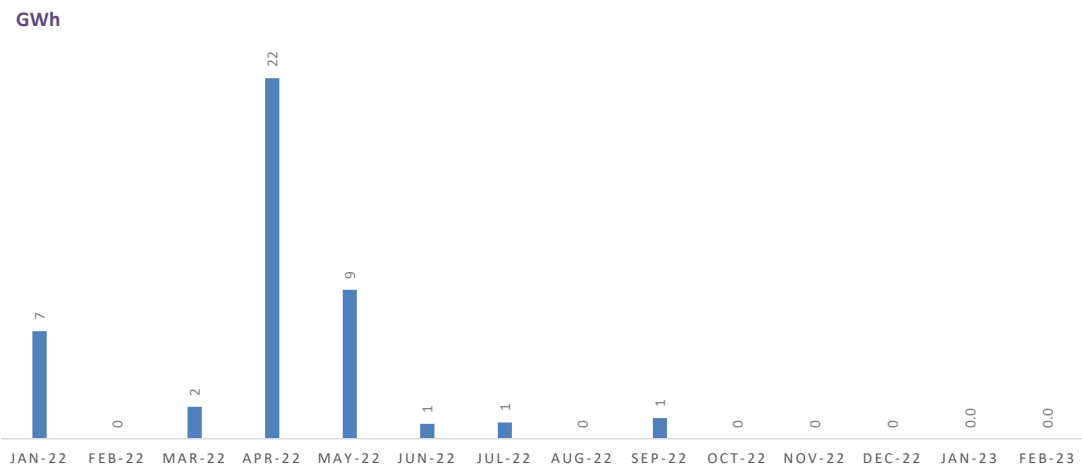
SOJITZ KELANITHISSA POWER STATION (163 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



ACE EMBILIPITIYA POWER STATION (93 MW)



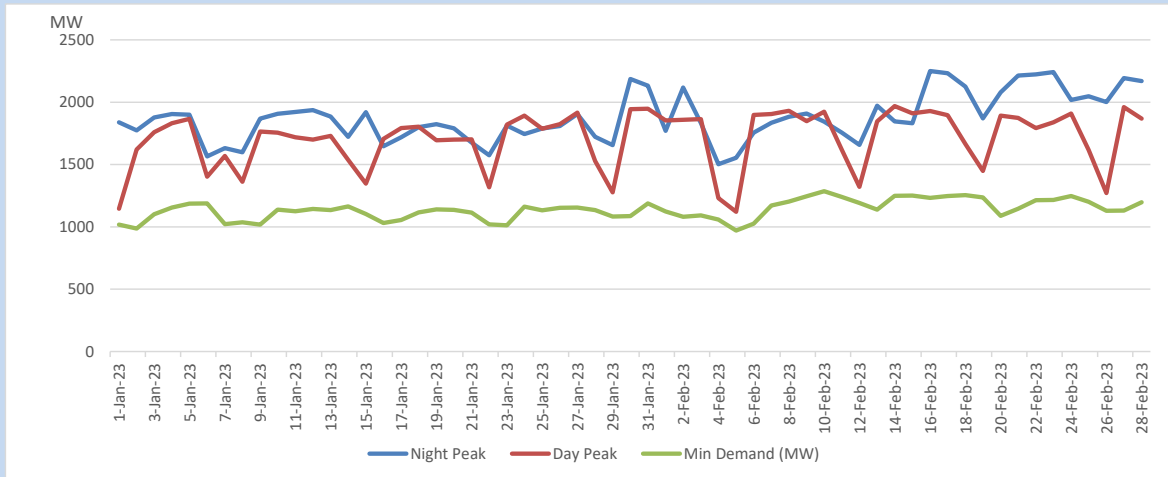
3 Peak Demand

During the month;

Highest Peak Demand	2,250 MW on	16-Feb
Lowest Peak Demand	1,503 MW on	4-Feb
Highest Day Peak Demand	1,969 MW on	14-Feb
Minimum Demand	971 MW on	5-Feb

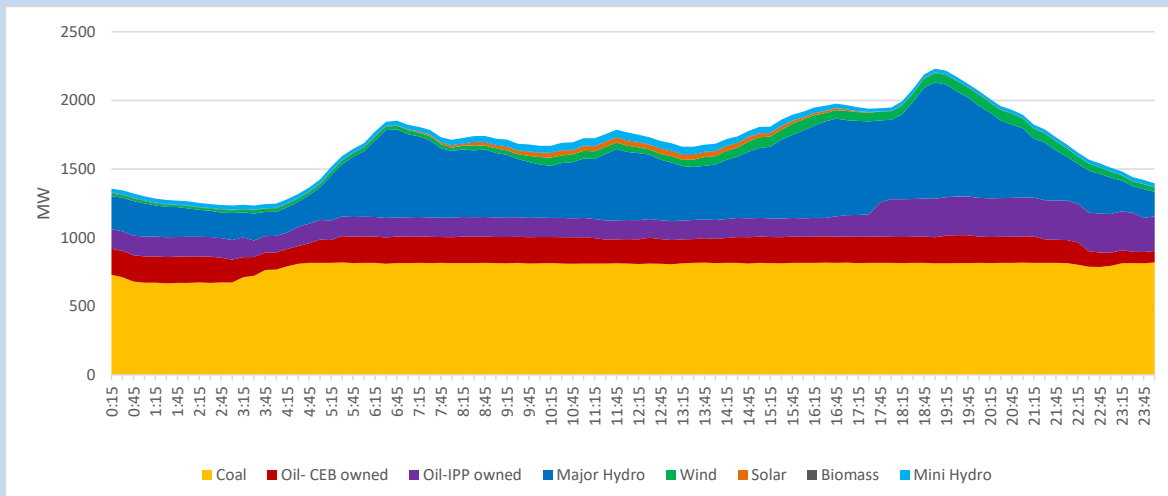
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

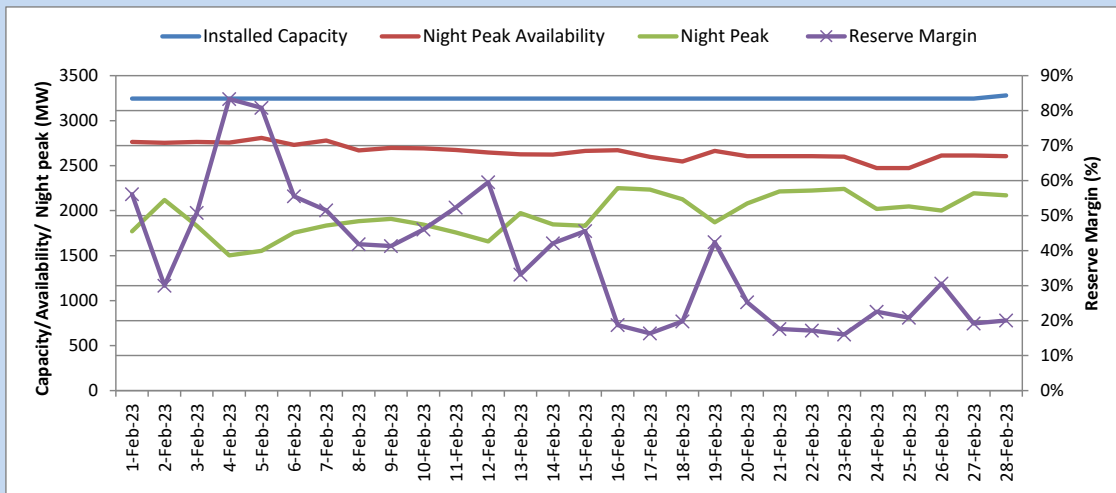


3.2 Load Curve of the Day with Highest Night Peak ,

16-Feb



3.3 Variation of Reserve Margin During Night Peak

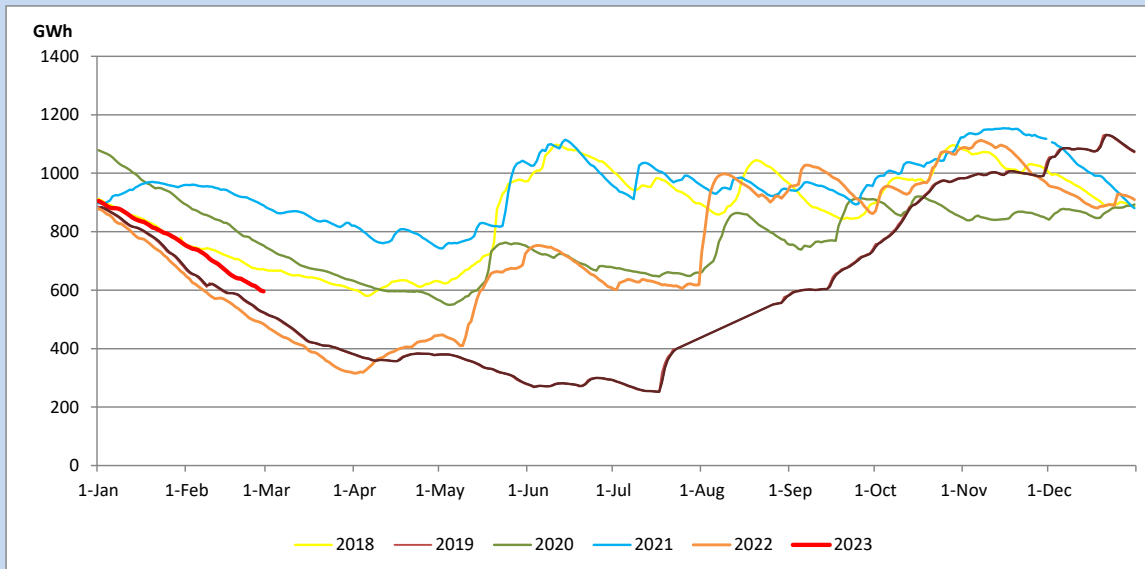


Note: Contribution from NCRE plants is not included

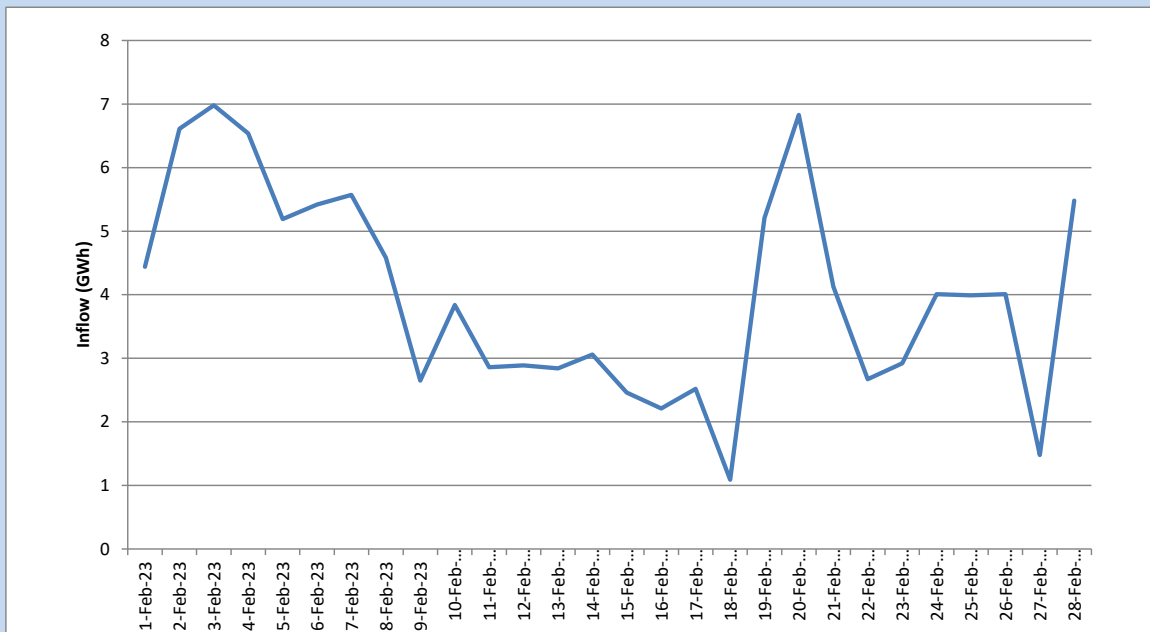
4 Reservoir Statistics

Total Reservoir level at the beginning of the month	757 GWh
Total Reservoir level at the end of the month	596 GWh
Total Inflow	112 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

