

Monthly Generation Report

March-23

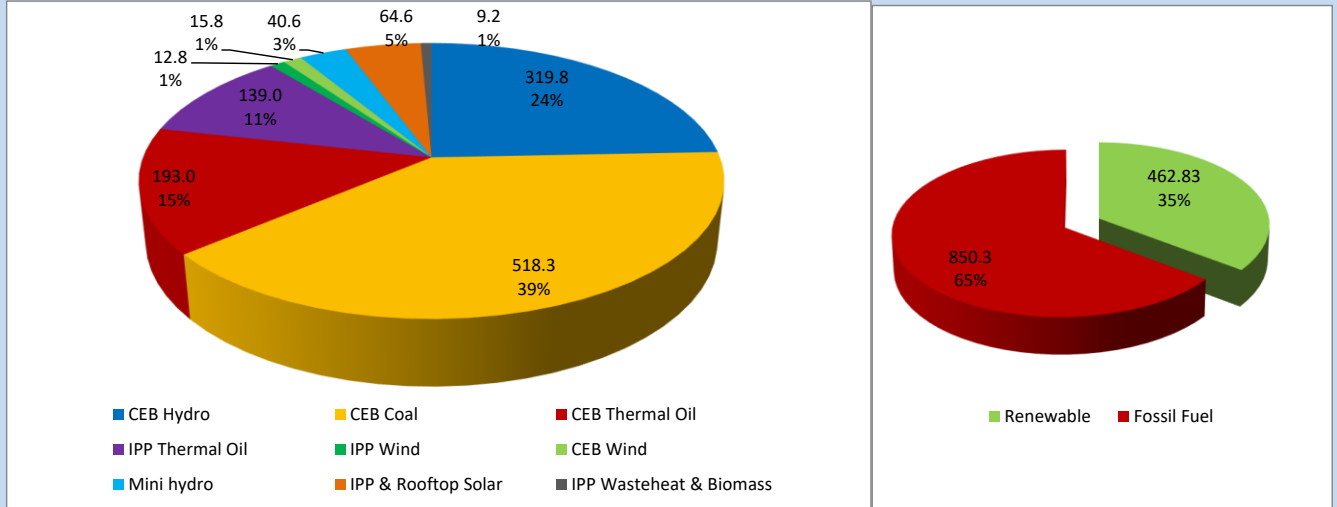


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

March-23

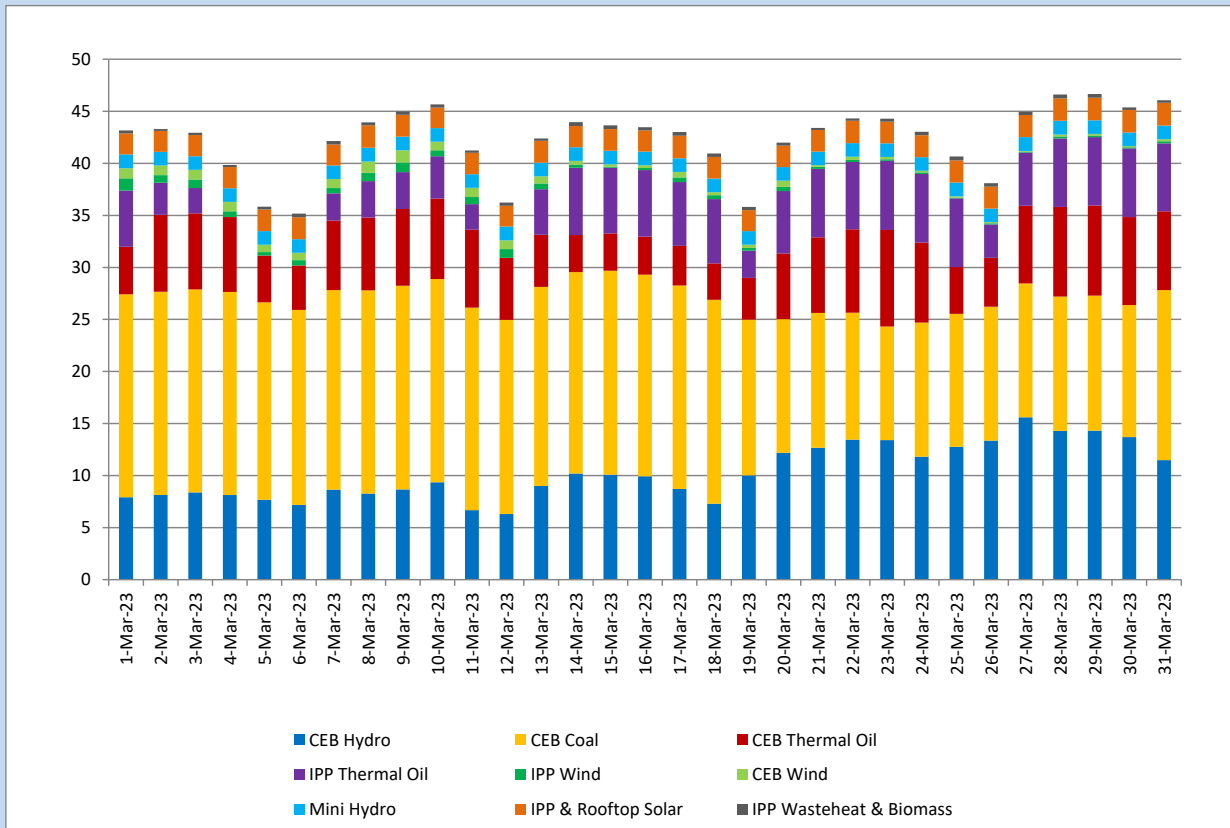


Total Generation = 1,313 GWh

Total Estimated Unserved Energy duty power cut = 0 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



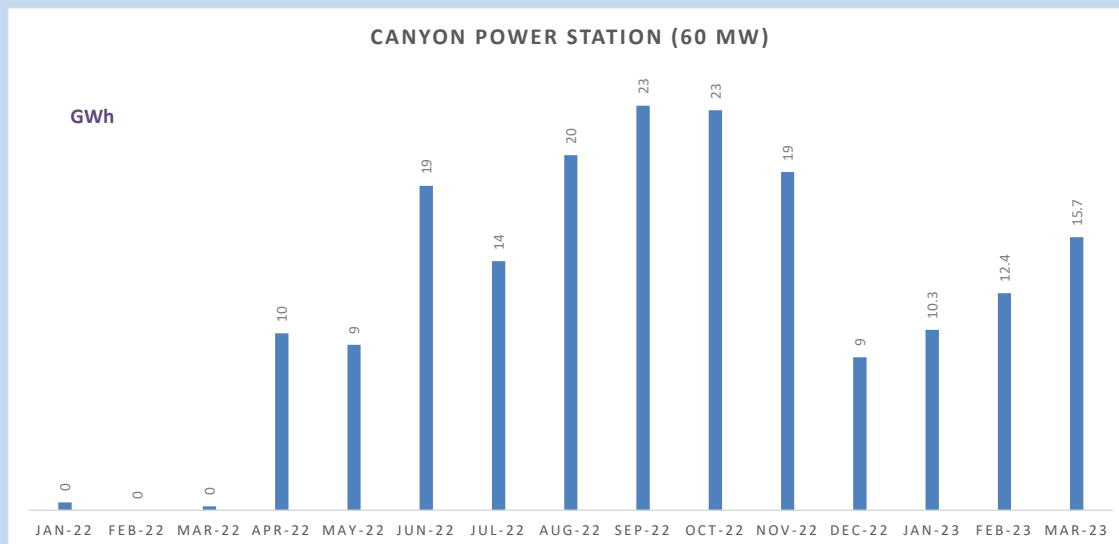
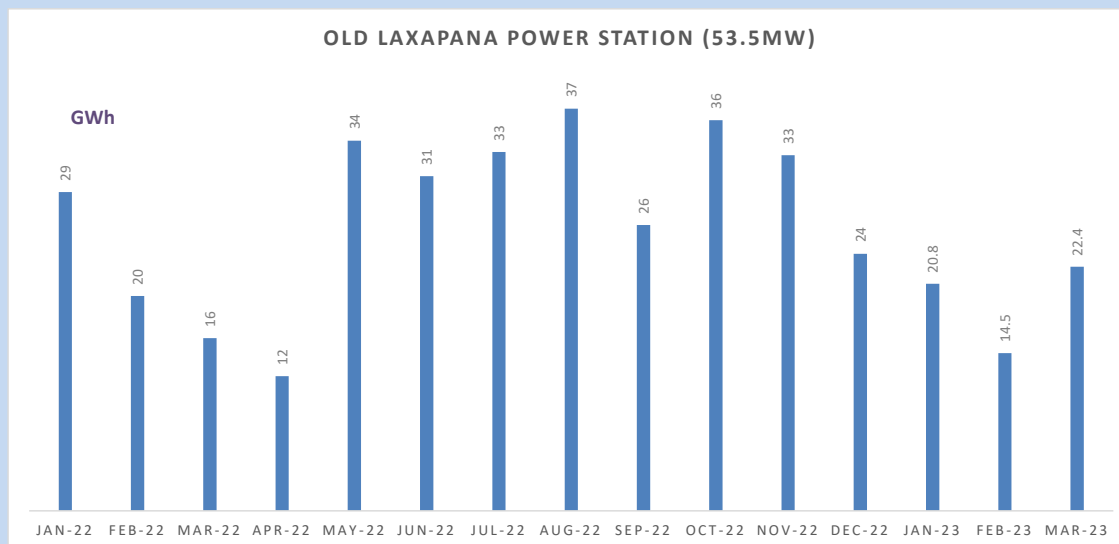
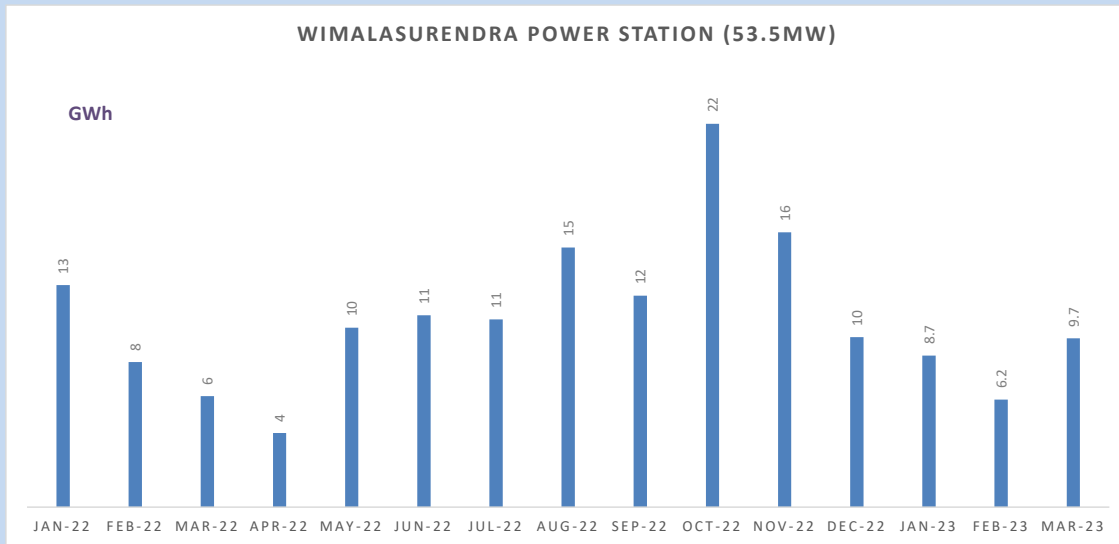
2 Major Plant Dispatch

2.1 Dispatch from all Generation Major Plants in

March-23

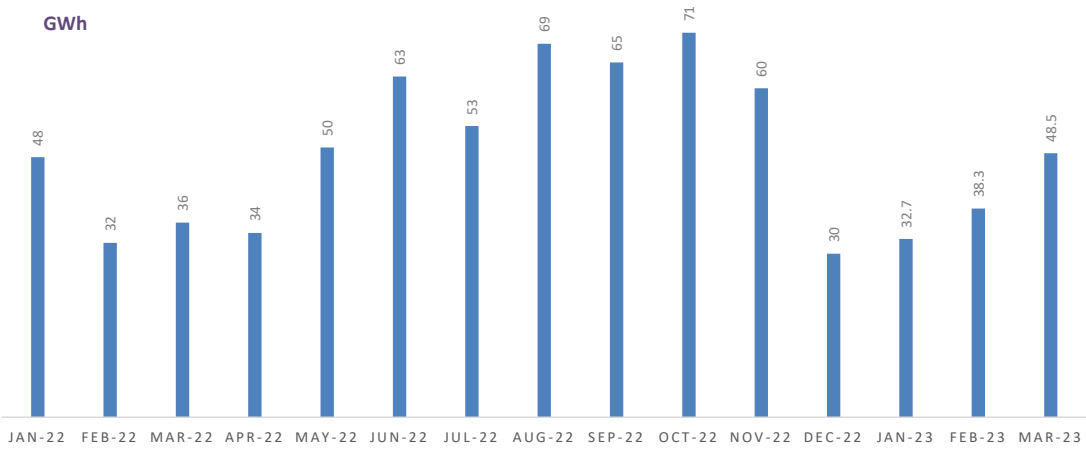
Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	9,696	26.1%
Old Laxapana	54	22,417	55.8%
Canyon	60	15,650	35.1%
New Laxapana	100	48,480	65.2%
Polpitiya	90	35,811	53.5%
Broadlands	35	5,898	22.6%
Kotmale	201	24,170	16.2%
Victoria	225	65,947	39.4%
Randenigala	114	21,332	25.2%
Rantambe	50	10,946	29.4%
Ukuwela	37	14,024	50.9%
Bowatenna	40	5,969	20.1%
Upper Kotmale	150	11,332	10.2%
Nilambe	3	350	15.7%
Samanalawewa	120	26,643	29.8%
Kukule	75	861	1.5%
Inginiyagala	11	249	3.0%
Udawalawe	6	37	0.8%
Puttalam Coal I	270	196,646	97.9%
Puttalam Coal II	270	198,431	98.8%
Puttalam Coal III	270	123,214	61.3%
KPS Small GTs	64	236	0.5%
KPS GT 7	115	3,169	3.7%
KCCP	161	76,716	64.0%
Sapugaskanda A	70	25,827	49.6%
Sapugaskanda B	70	40,154	77.1%
Uthura Janani	26	11,391	58.9%
Barge CEB	60	35,072	78.6%
CEB - Thulhiriya	10	34	0.5%
CEB - Kolonnawa	20	57	0.4%
CEB - Mathugama	20	347	2.3%
Sojitz Kelanitissa	163	0	0.0%
West Coast	270	139,010	69.2%
ACE Embilipitiya	93	0	0.0%

2.3 Generation of Major Power Plants From Last Year



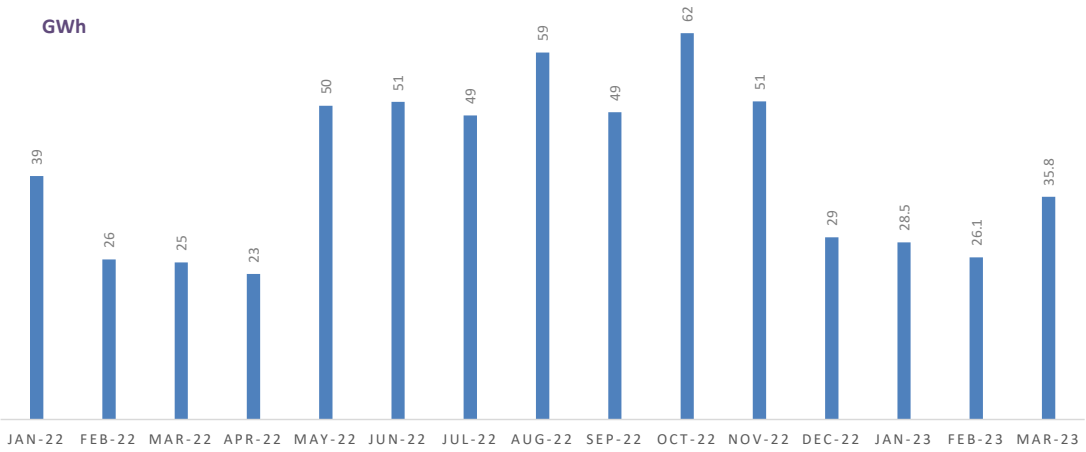
NEW LAXAPANA POWER STATION (115 MW)

GWh



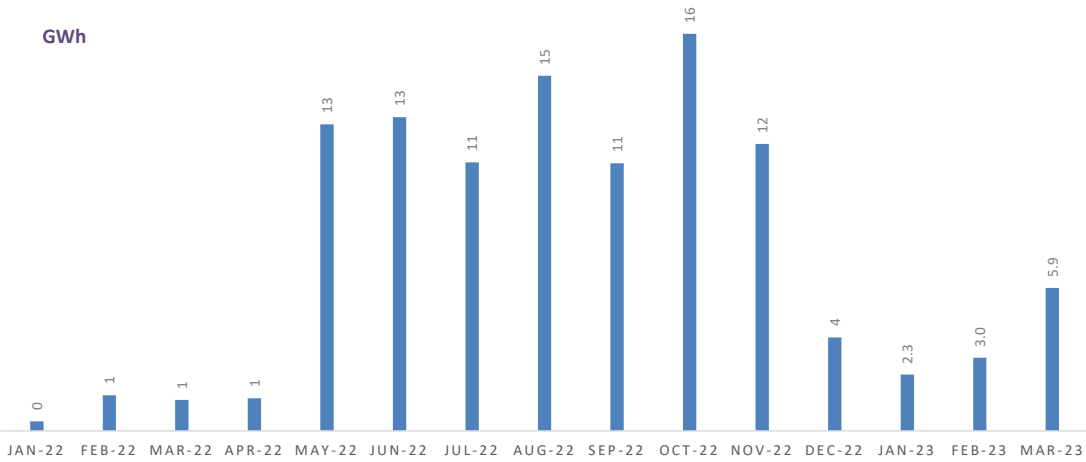
POLPITIYA POWER STATION (90 MW)

GWh



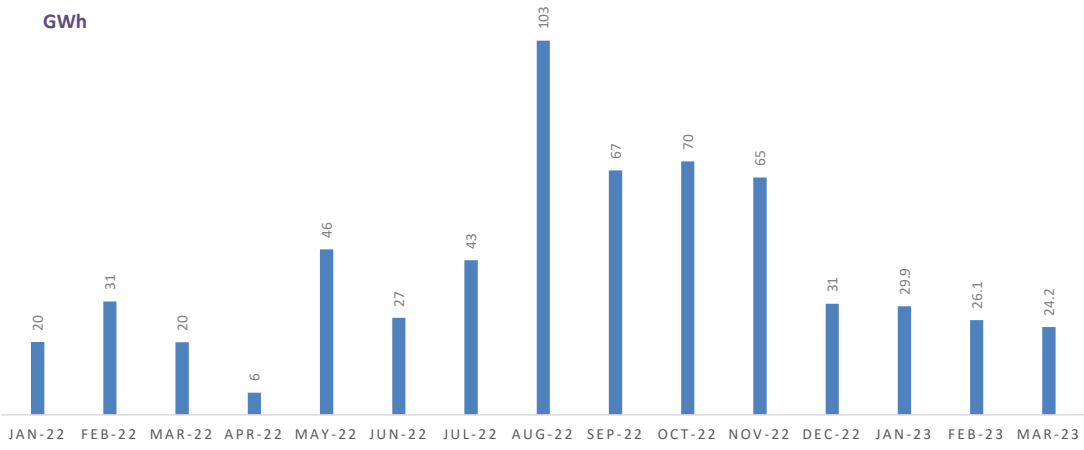
BROADLANDS POWER STATION (35 MW)

GWh



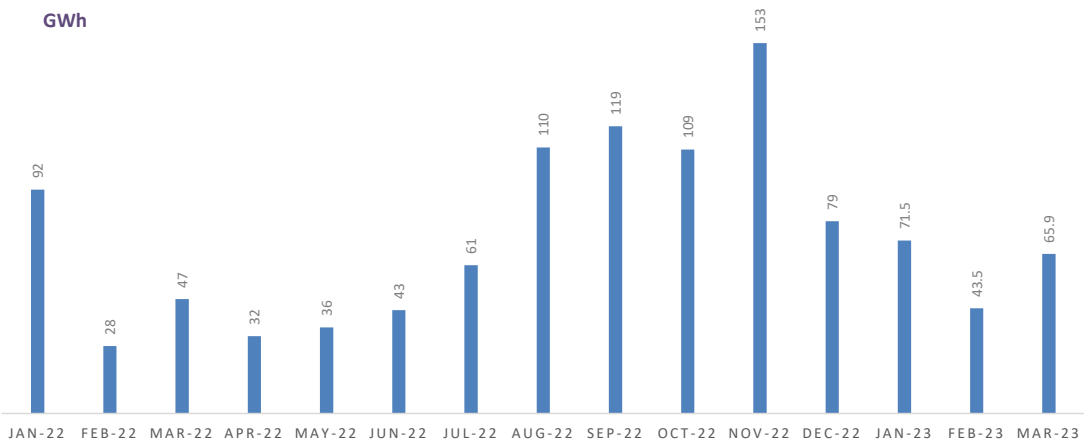
KOTMALE POWER STATION (201 MW)

GWh



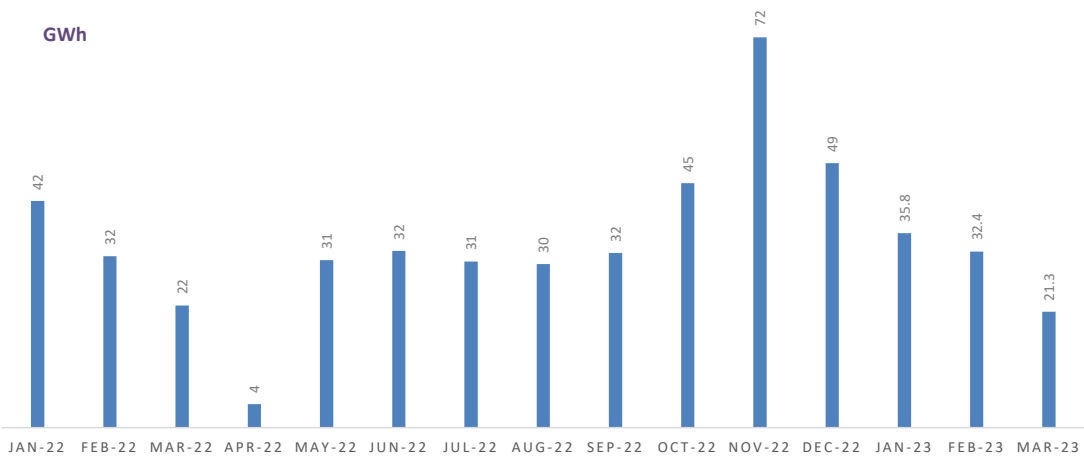
VICTORIA POWER STATION (225 MW)

GWh



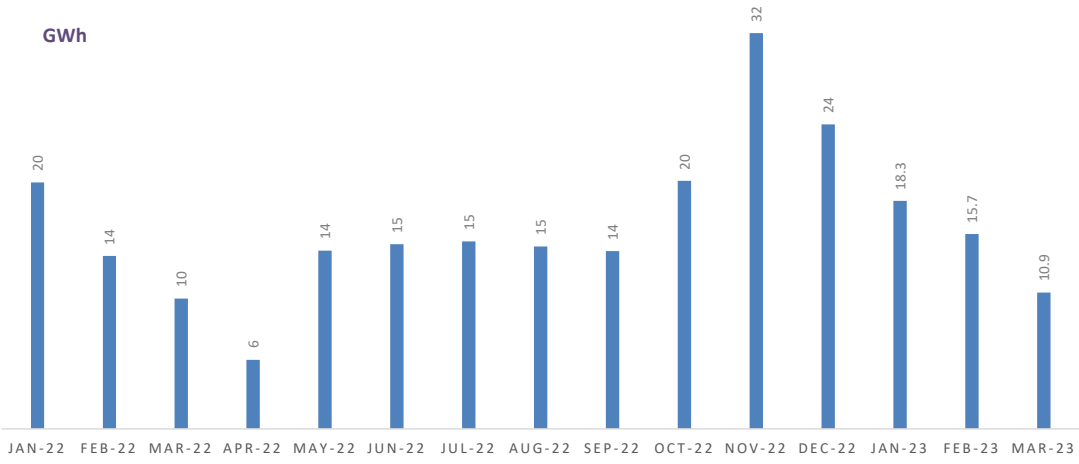
RANDENIGALA POWER STATION (114 MW)

GWh



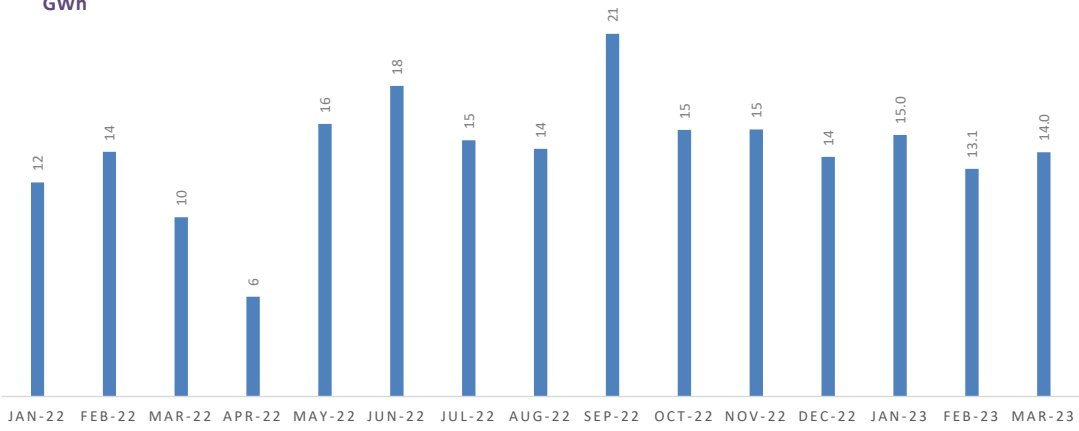
RANTAMBE POWER STATION (50 MW)

GWh



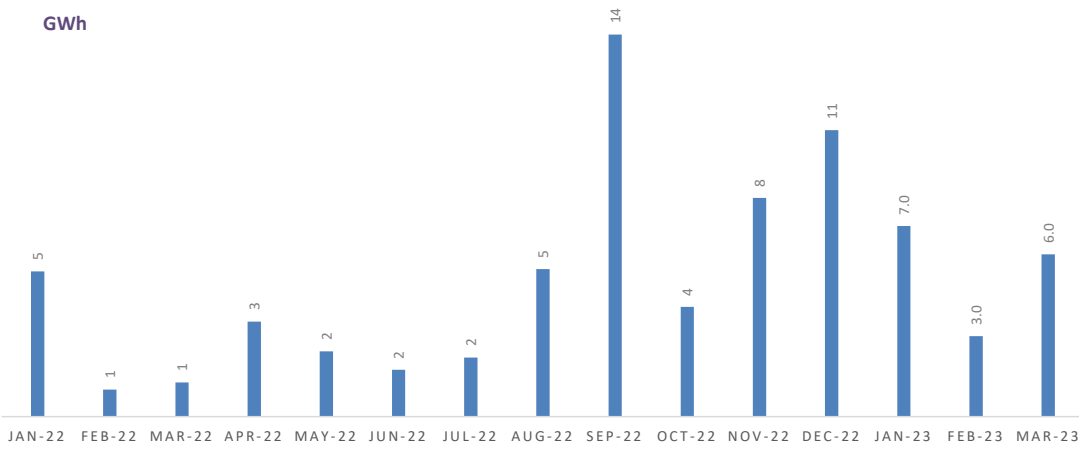
UKUWELA POWER STATION (37 MW)

GWh



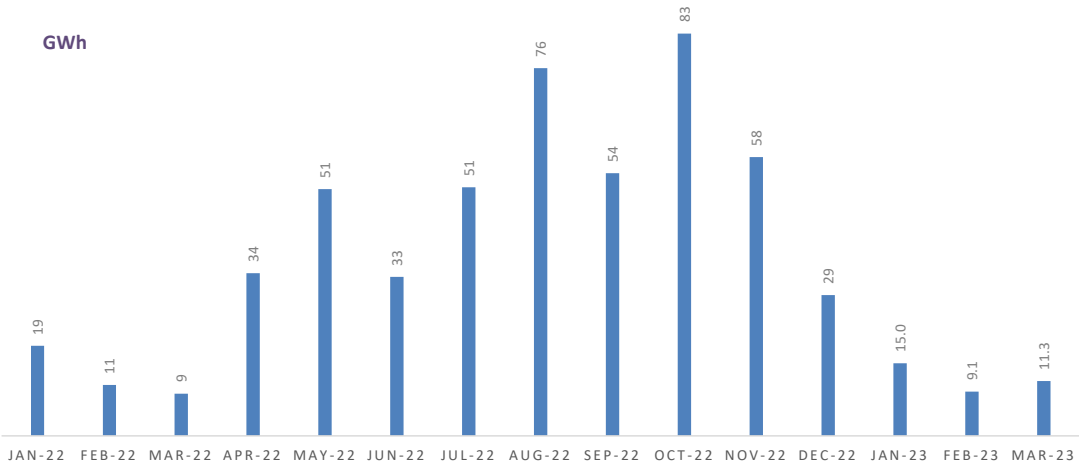
BOWATHENNA POWER STATION (40 MW)

GWh



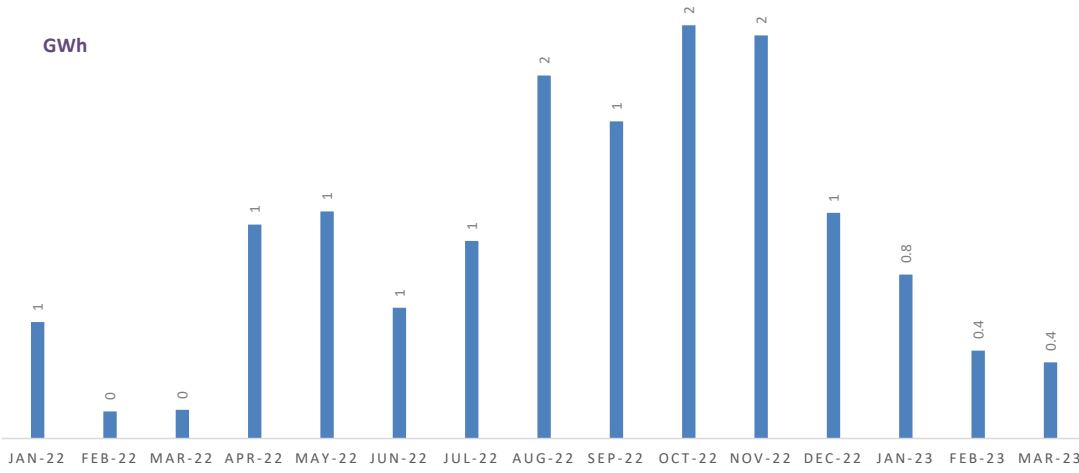
UPPER KOTMALE POWER STATION (150 MW)

GWh



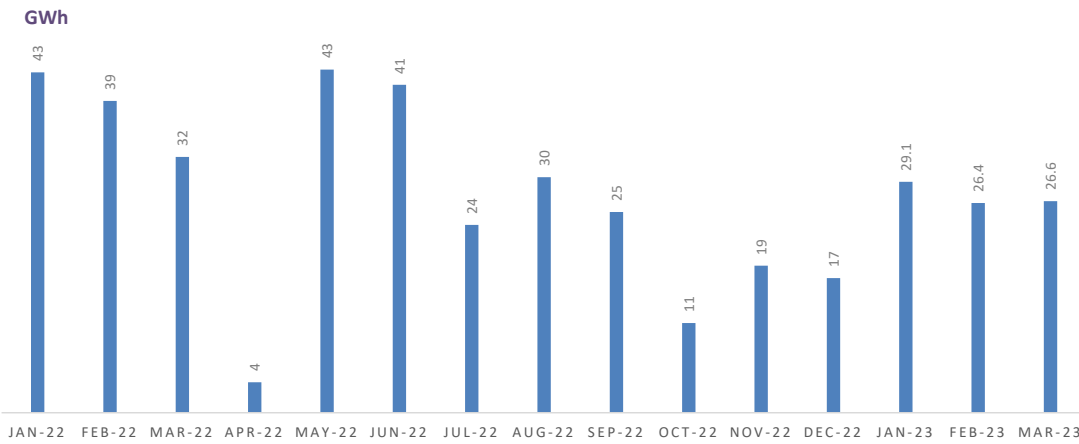
NILLAMBE POWER STATION (3 MW)

GWh



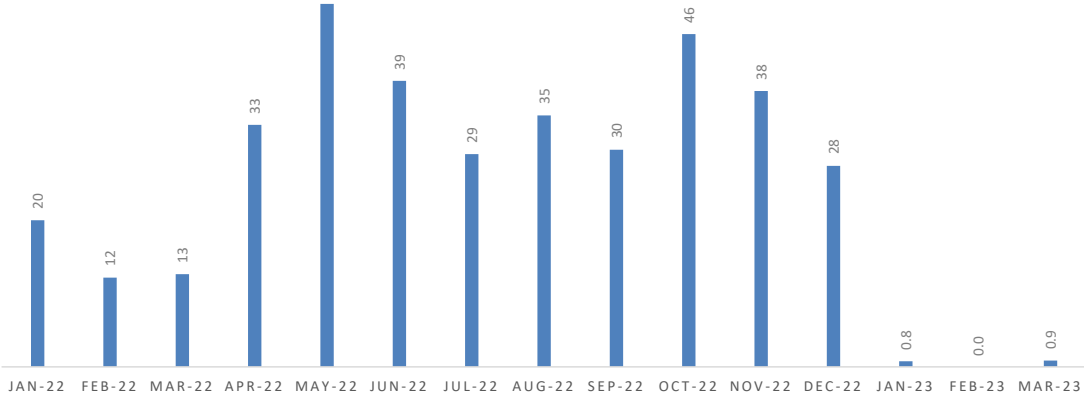
SAMANALAWEWA POWER STATION (120 MW)

GWh



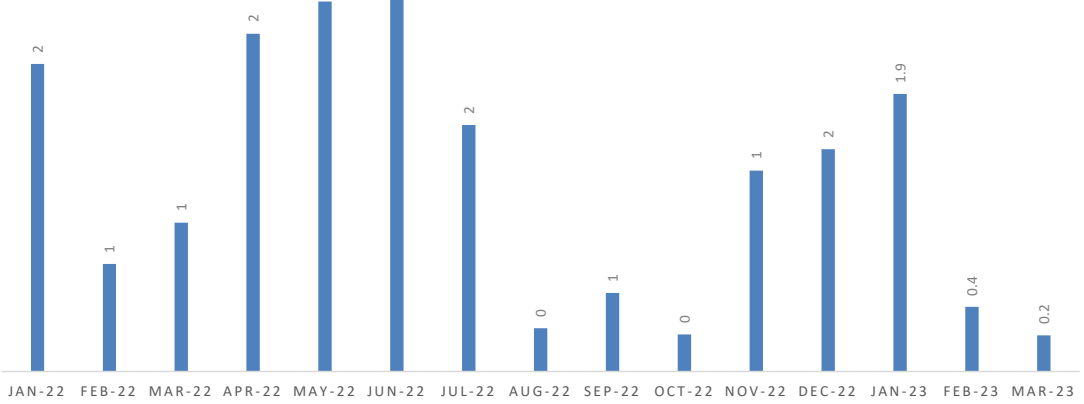
KUKULE POWER STATION (75 MW)

GWh



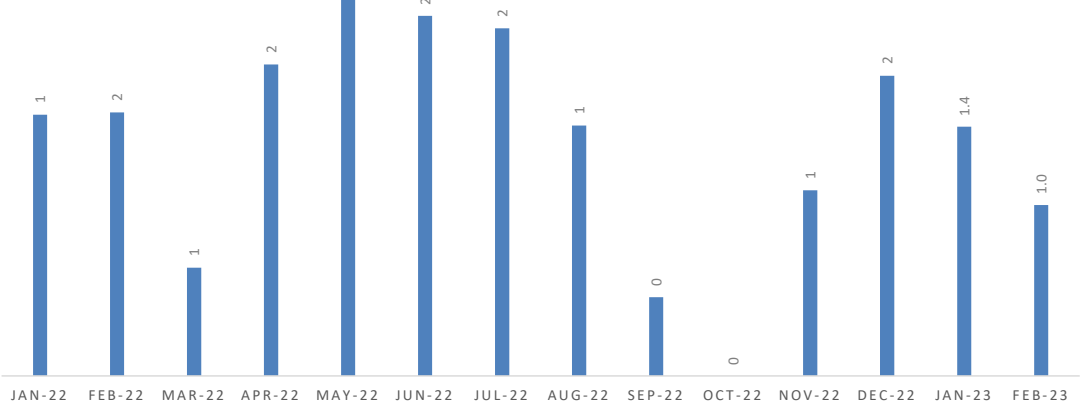
INGINIYAGALA POWER STATION (11 MW)

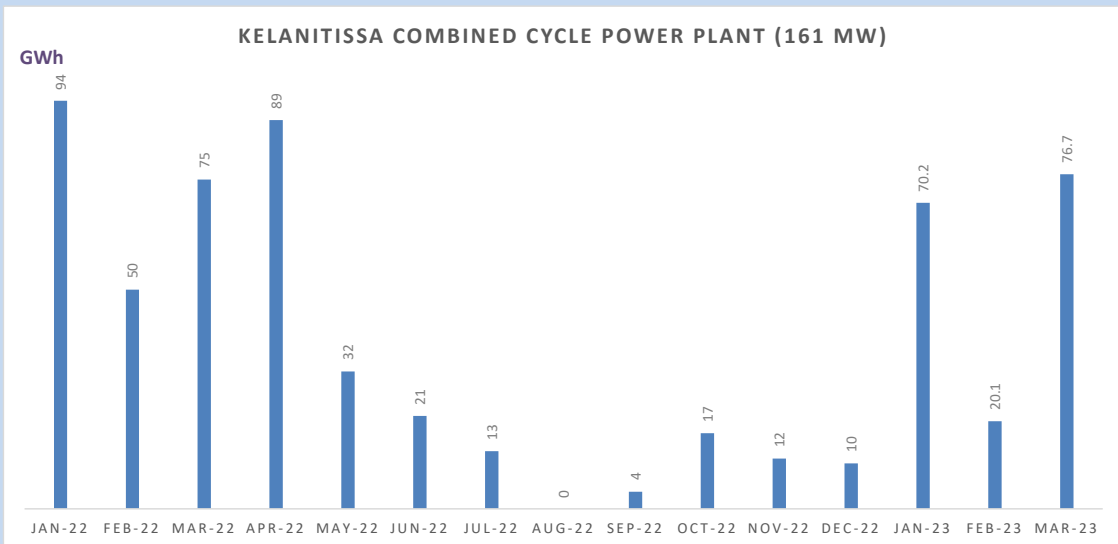
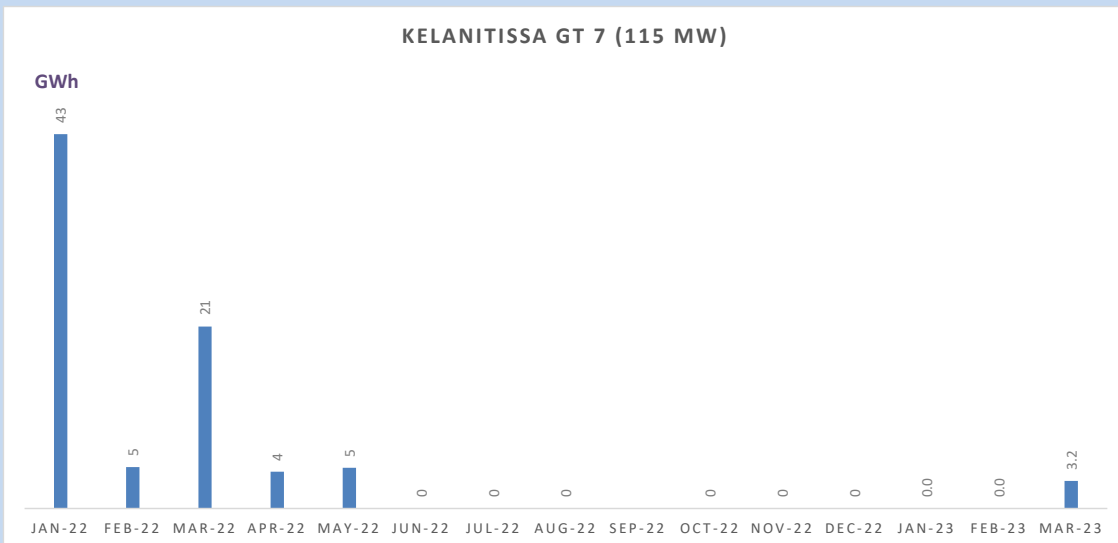
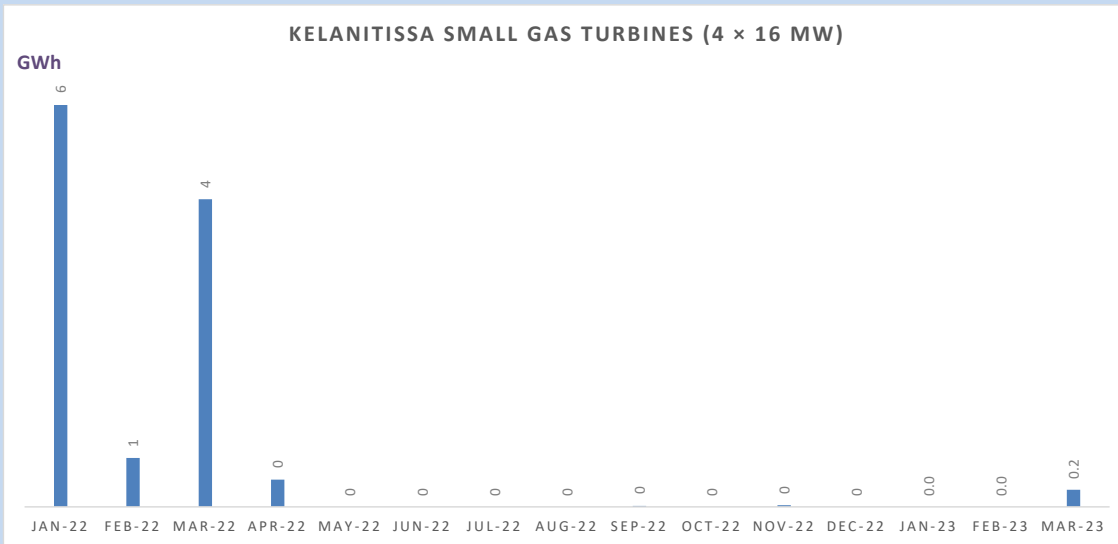
GWh



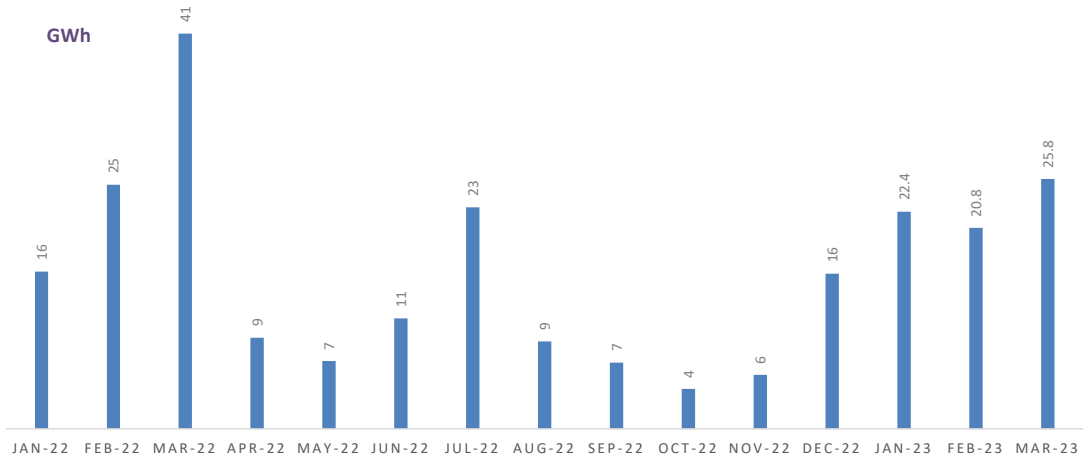
UDAWALAWE POWER STATION (6 MW)

GWh

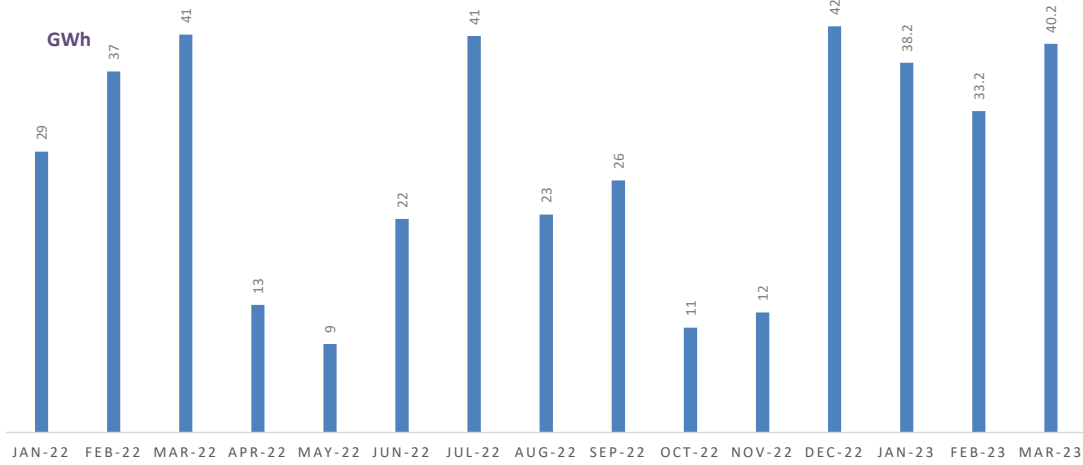




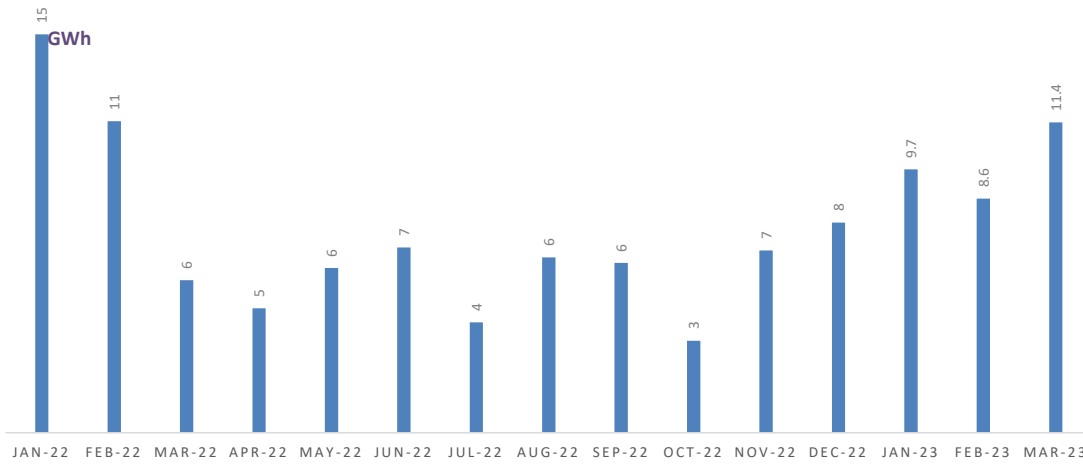
SAPUGASKANDA - A POWER STATION (80 MW)



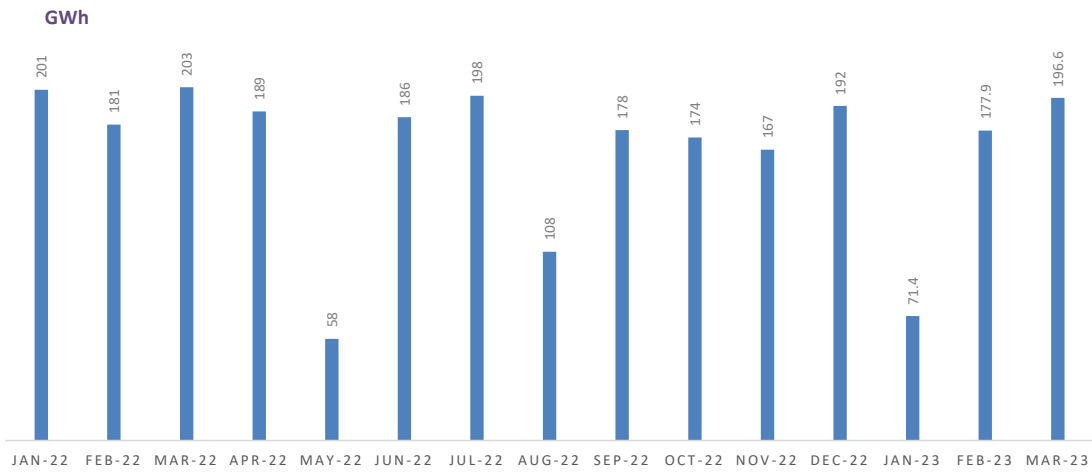
SAPUGASKANDA - B POWER STATION (80 MW)



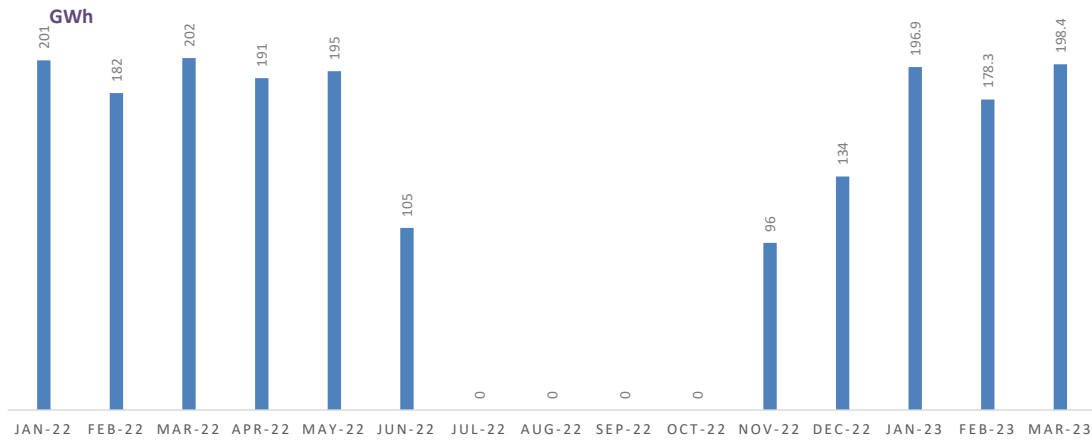
UTHURU JANANEE POWER STATION (26 MW)



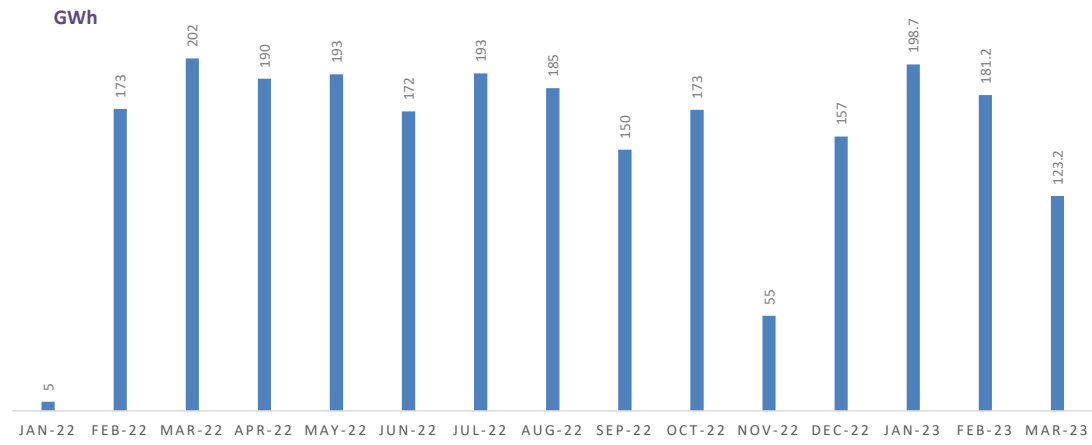
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



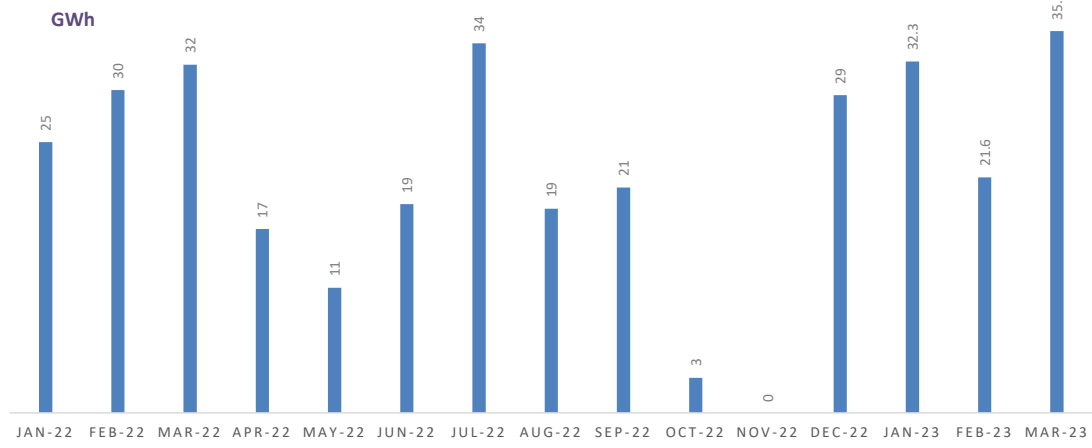
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



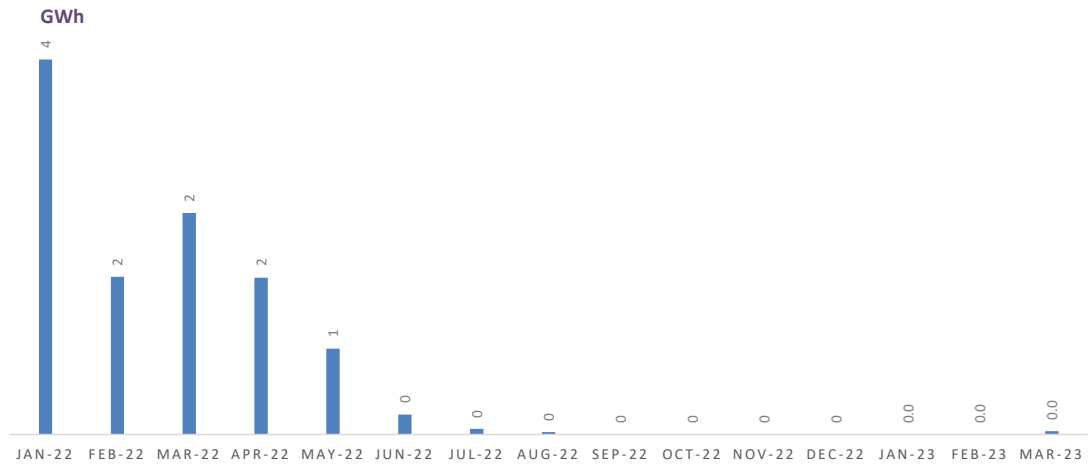
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



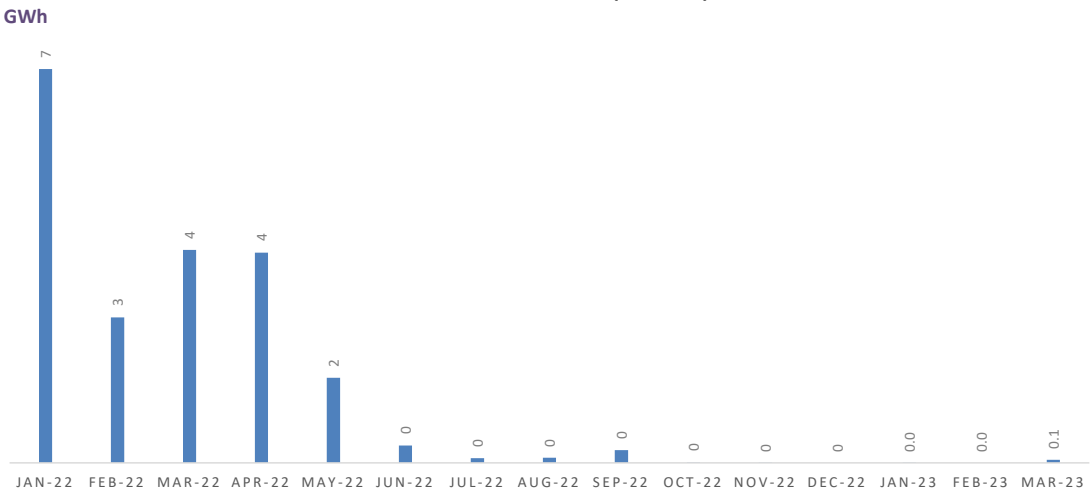
BARGE POWER STATION - CEB (60 MW)



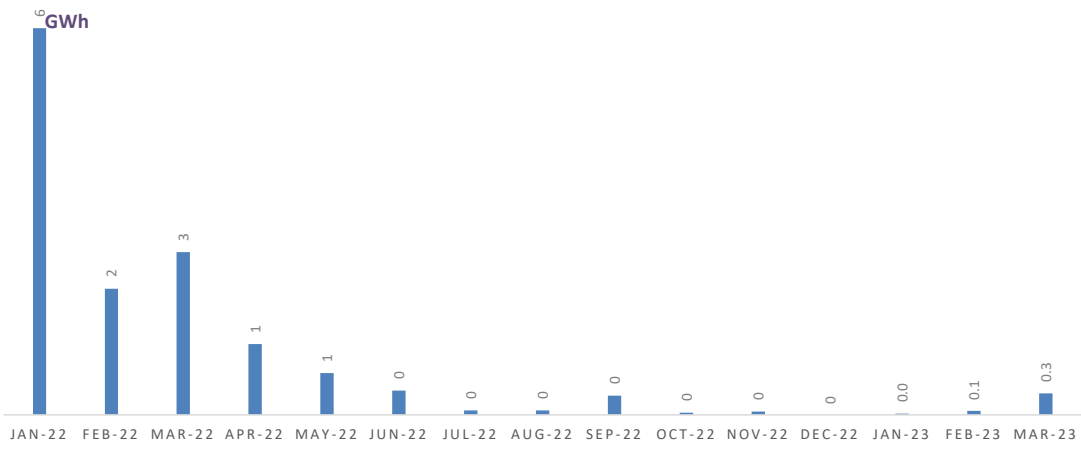
THULHIRIYA - CEB (10 MW)



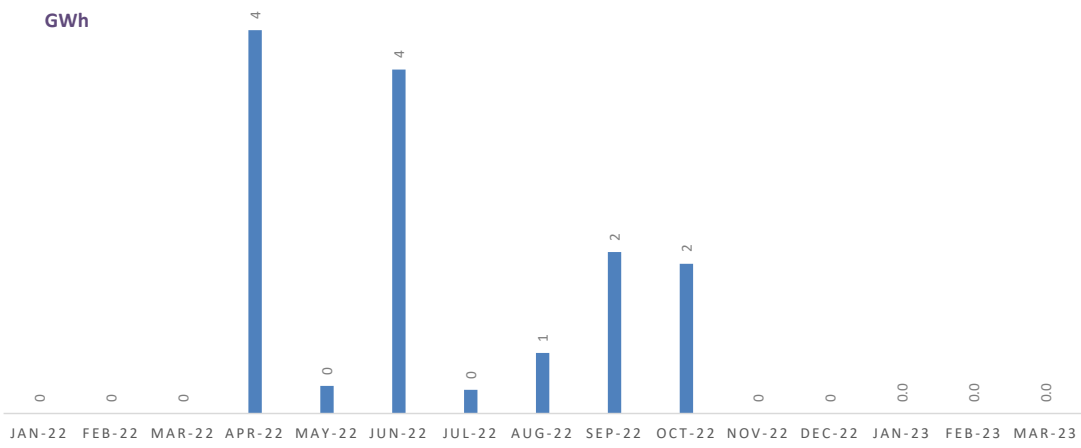
KOLONNAWA - CEB (20 MW)



MATHUGAMA - CEB (20 MW)



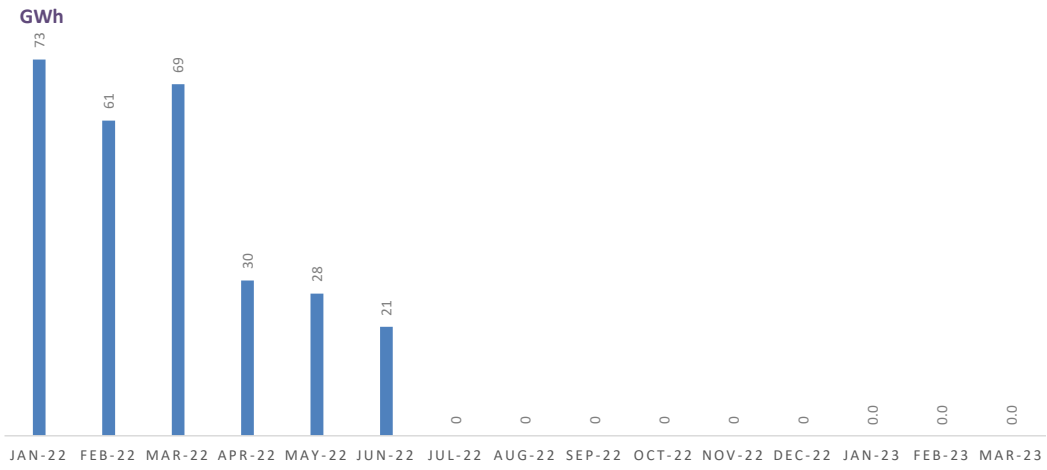
ACE MATARA POWER STATION (24 MW)



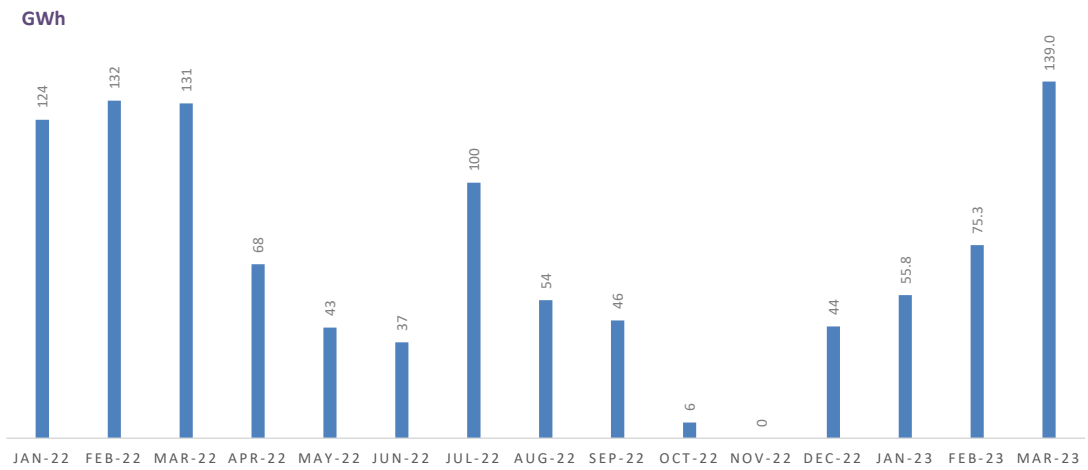
ASIA POWER STATION (51 MW)



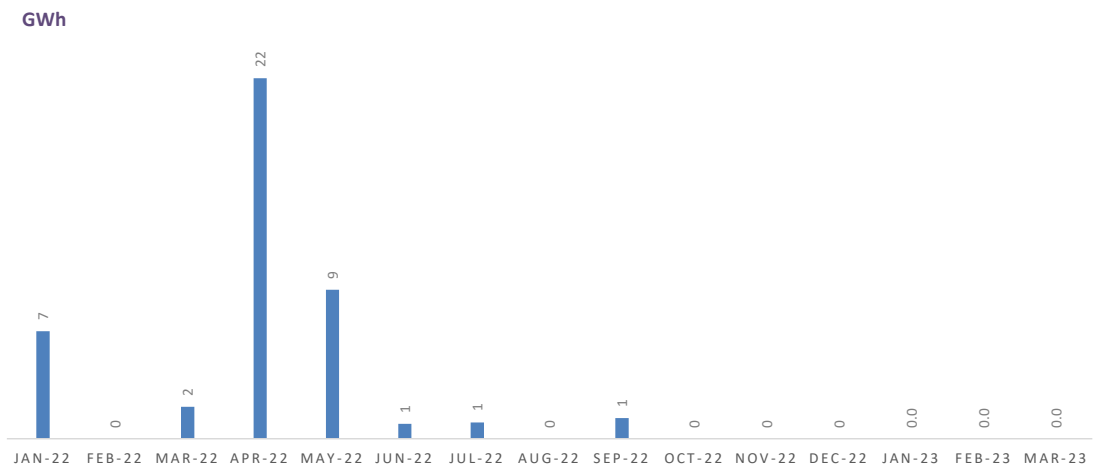
SOJITZ KELANITHISSA POWER STATION (163 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



ACE EMBILIPITIYA POWER STATION (93 MW)



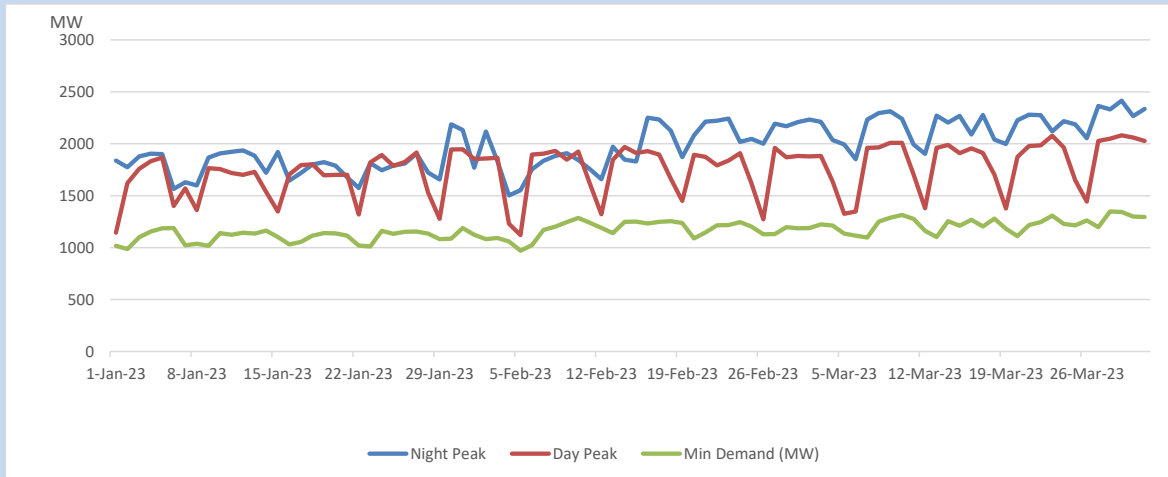
3 Peak Demand

During the month;

Highest Peak Demand	2,415 MW on	29-Mar
Lowest Peak Demand	1,851 MW on	6-Mar
Highest Day Peak Demand	2,081 MW on	29-Mar
Minimum Demand	1,097 MW on	7-Mar

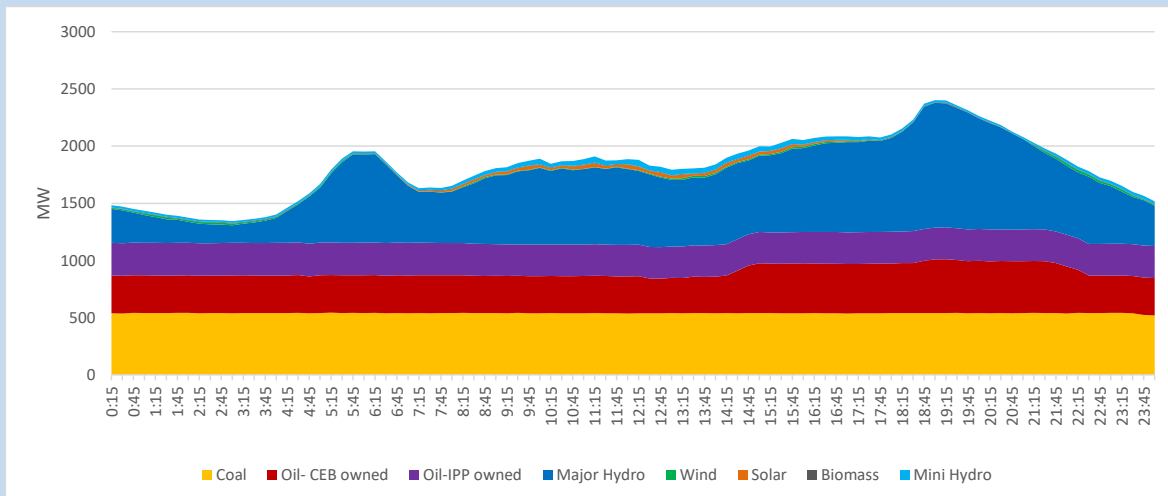
*Demand figures are excluding the contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

3.1 Demand Variation During the year

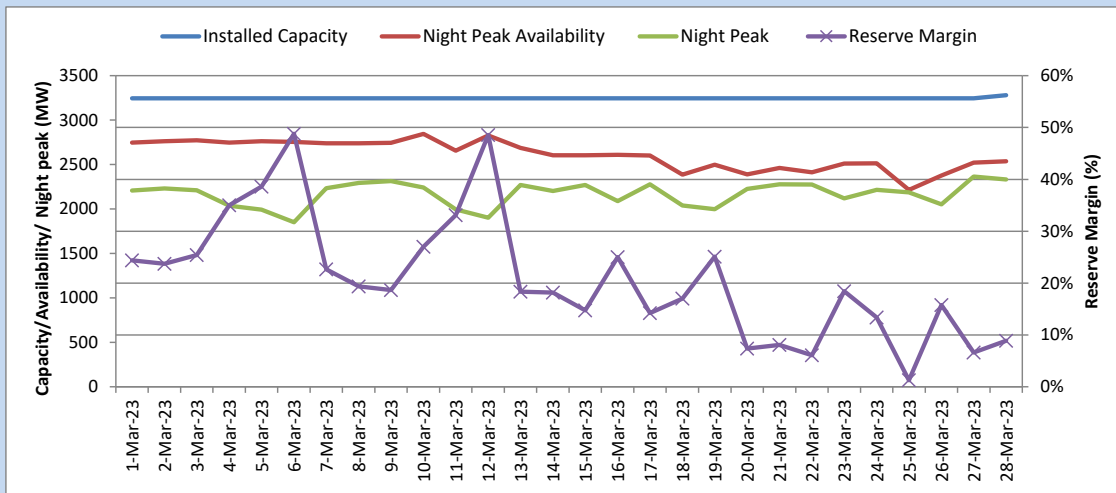


3.2 Load Curve of the Day with Highest Night Peak ,

29-Mar



3.3 Variation of Reserve Margin During Night Peak

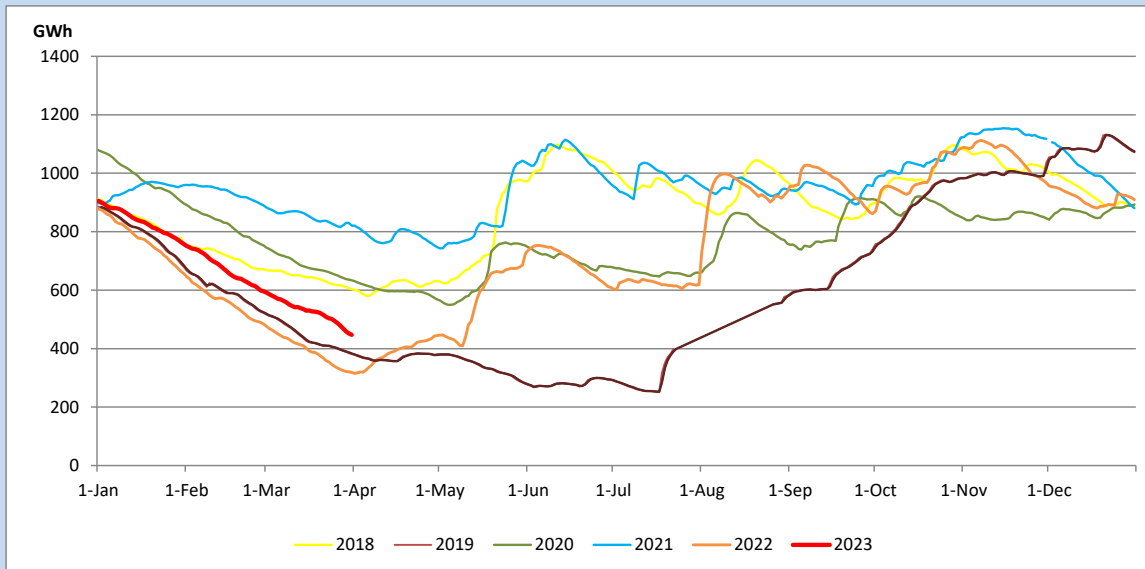


Note: Contribution from NCRE plants is not included

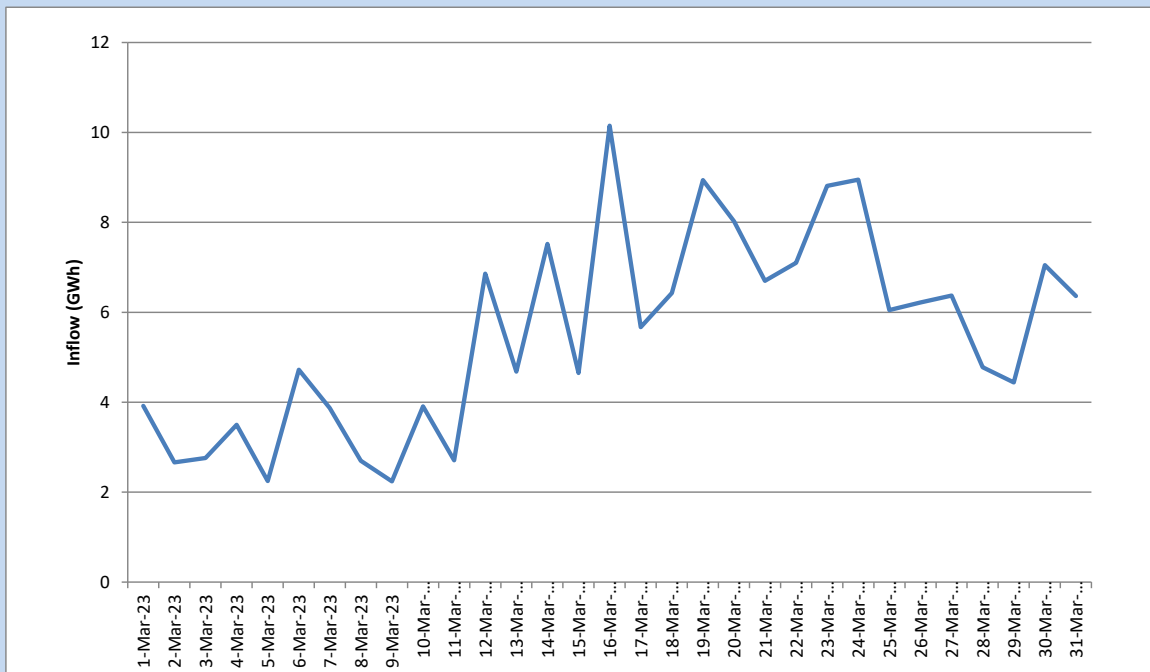
4 Reservoir Statistics

Total Reservoir level at the beginning of the month	596 GWh
Total Reservoir level at the end of the month	447.1 GWh
Total Inflow	171 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

