

Monthly Generation Report

April-22

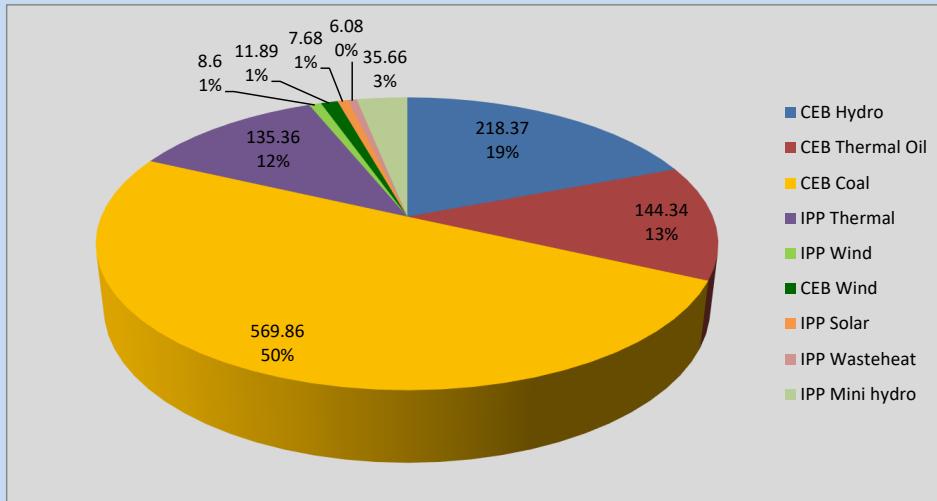


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

April-22

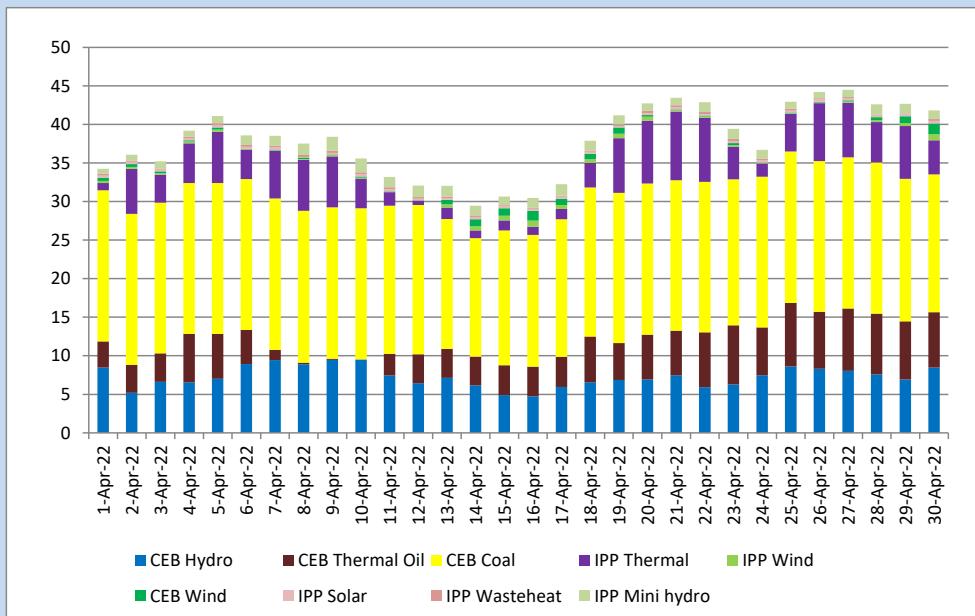


Total Generation =

1,138 GWh

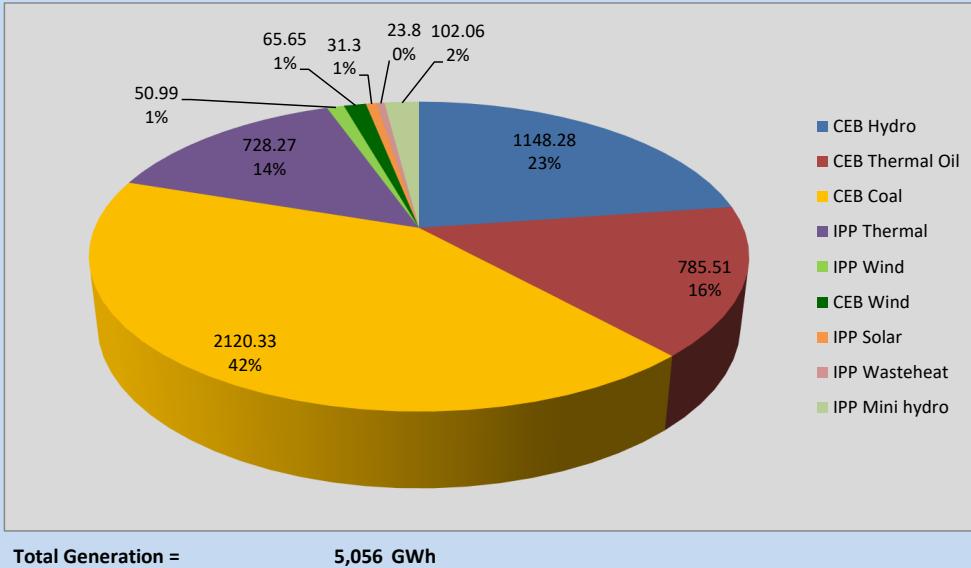
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

1.2 Variation of Daily Generation Mix during the month



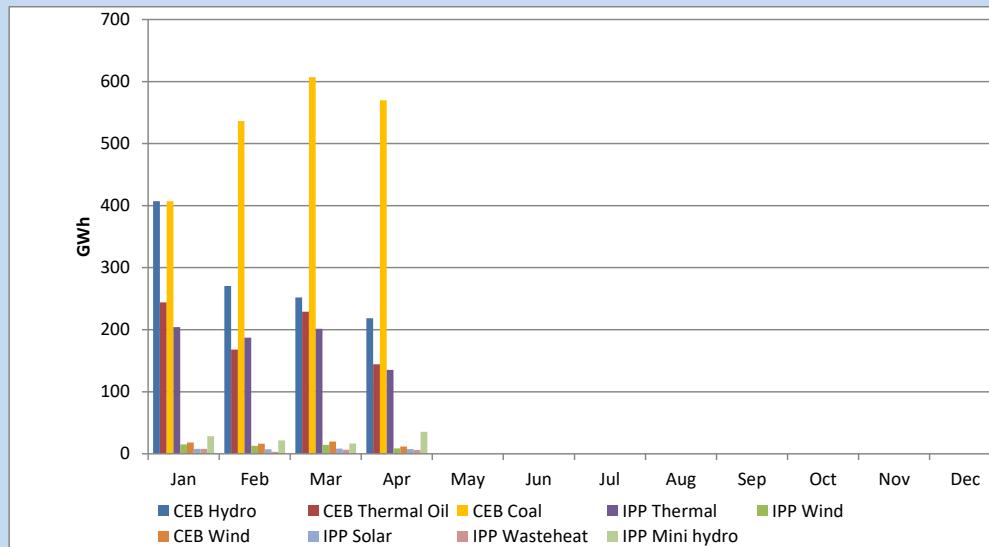
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

1.3 Annual Cumulative Generation



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

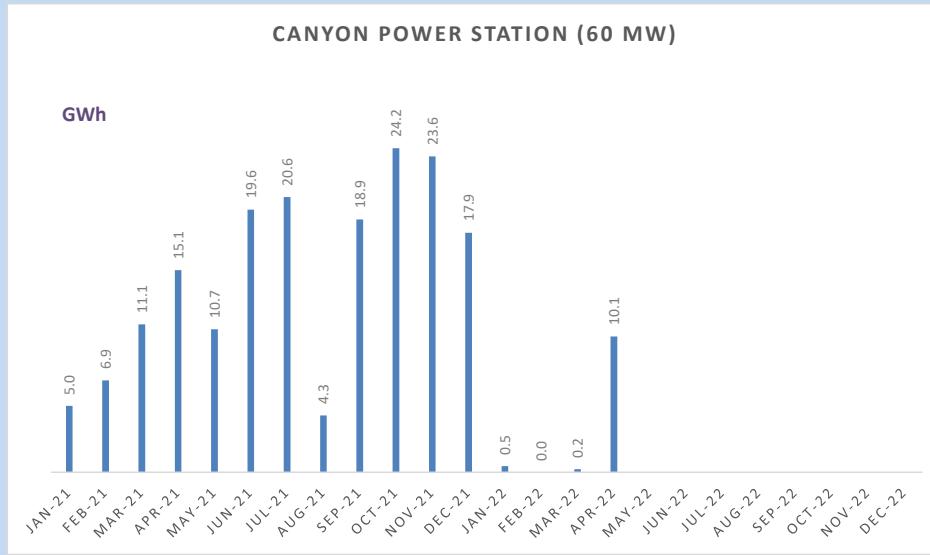
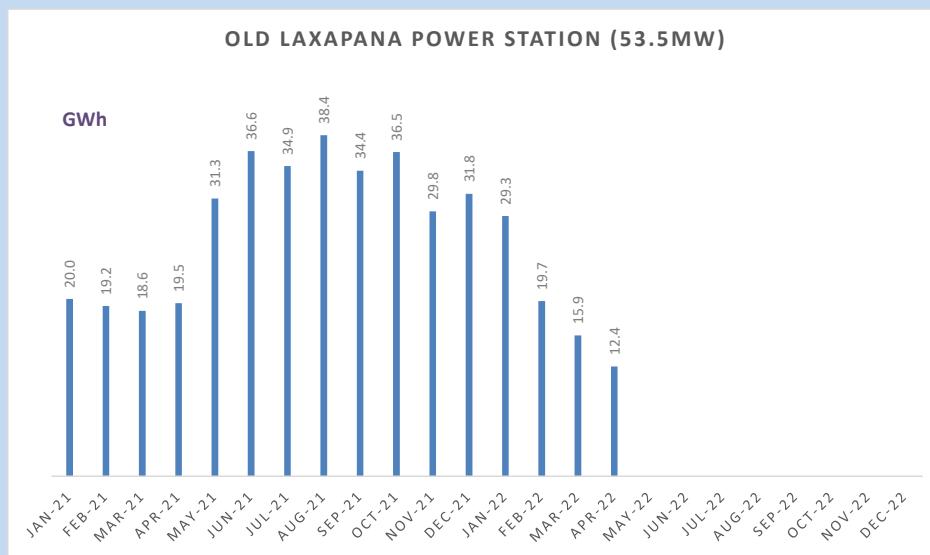
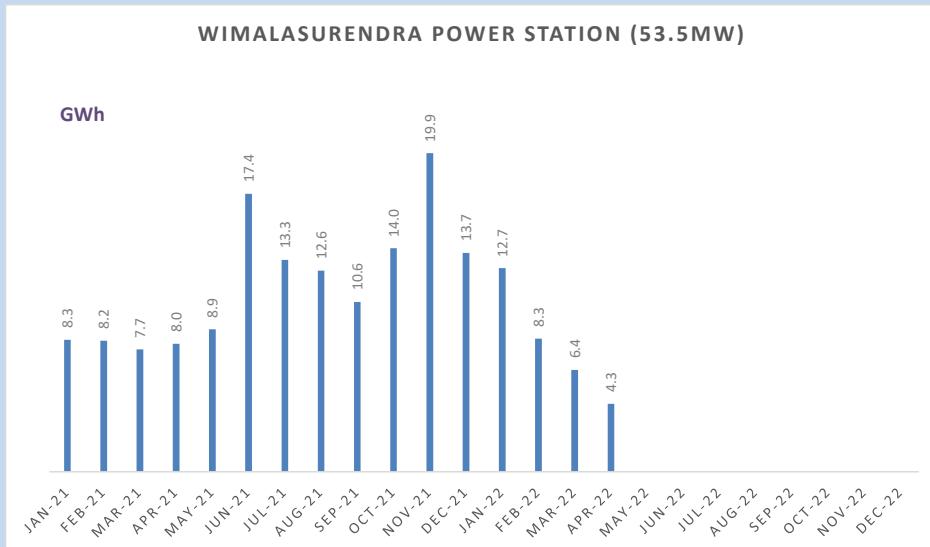
April-22

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	4,259	11.8%
Old Laxapana	54	12,363	31.8%
Canyon	60	10,147	23.5%
New Laxapana	100	33,867	47.0%
Polpitiya	90	23,404	36.1%
Broadlands	35	254	1.0%
Kotmale	201	6,130	4.2%
Victoria	225	31,951	19.7%
Randenigala	114	4,301	5.2%
Rantambe	50	5,549	15.4%
Ukuwela	37	5,724	21.5%
Bowatenna	40	3,497	12.1%
Upper Kotmale	150	33,611	31.1%
Nilambe	3	982	45.5%
Samanalawewa	120	3,835	4.4%
Kukule	75	33,334	61.7%
Inginiyagala	11	2,327	29.4%
Udawalawe	6	1,785	41.3%
Puttalam Coal I	270	188,839	97.1%
Puttalam Coal II	270	190,505	98.0%
Puttalam Coal III	270	190,495	98.0%
KPS Small GTs	64	375	0.8%
KPS GT 7	115	4,216	5.1%
KCCP	161	89,098	76.9%
Sapugaskanda A	70	9,414	18.7%
Sapugaskanda B	70	13,182	26.2%
Uthura Janani	26	4,567	24.4%
Barge CEB	60	16,887	39.1%
CEB - Thulhiriya	10	1,621	22.5%
CEB - Kolonnawa	20	3,861	26.8%
CEB - Mathugama	20	1,140	7.9%
ACE Matara	24	3,960	22.9%
Asia Power	51	11,348	30.9%
Sojitz Kelanitissa	163	30,254	25.8%
West Coast	270	67,816	34.9%
ACE Embilipitiya	93	21,956	32.8%

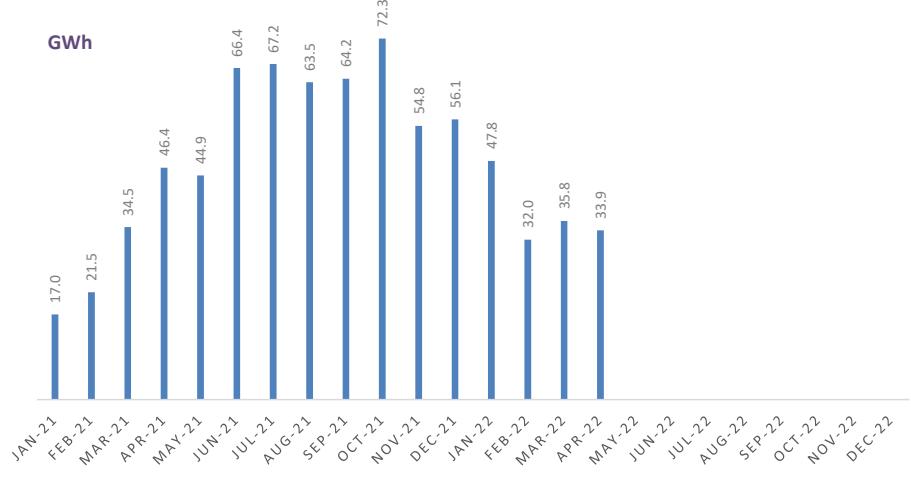
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

Power Station	Availability (GWh)	Generation (GWh)	Running PF (%)
Wimalasurendra	18.0	4.3	23.7%
Old Laxapana	36.3	12.4	34.0%
Canyon	43.2	10.1	23.5%
New Laxapana	72.0	33.9	47.0%
Polpitiya	62.6	23.4	37.4%
Broadlands	2.9	0.3	8.6%
Kotmale	128.6	6.1	4.8%
Victoria	158.4	32.0	20.2%
Randenigala	82.1	4.3	5.2%
Rantambe	36.0	5.5	15.4%
Ukuwela	25.9	5.7	22.1%
Bowatenna	28.8	3.5	12.1%
Upper Kotmale	95.4	33.6	35.2%
Nilambe	1.4	1.0	68.2%
Samanalawewa	86.4	3.8	4.4%
Kukule	54.0	33.3	61.7%
Inginiyagala	3.7	2.3	63.4%
Udawalawe	1.4	1.8	124.0%
Puttalam Coal I	191.0	188.8	98.8%
Puttalam Coal II	194.4	190.5	98.0%
Puttalam Coal III	194.4	190.5	98.0%
KPS Small GTs	10.8	0.4	3.5%
KPS GT 7	77.3	4.2	5.5%
KCCP	109.4	89.1	81.4%
Sapugaskanda A	24.7	9.4	38.0%
Sapugaskanda B	29.8	13.2	44.2%
Uthura Janani	9.6	4.6	47.8%
Barge CEB	29.4	16.9	57.4%
CEB - Thulhiriya	4.3	1.6	37.6%
CEB - Kolonnawa	8.2	3.9	46.8%
CEB - Mathugama	4.5	1.1	25.3%
ACE Matara	6.3	4.0	62.5%
Asia Power	12.6	11.3	89.7%
Sojitz Kelanitissa	83.6	30.3	36.2%
West Coast	194.4	67.8	34.9%
ACE Embilipitiya	34.8	22.0	63.2%

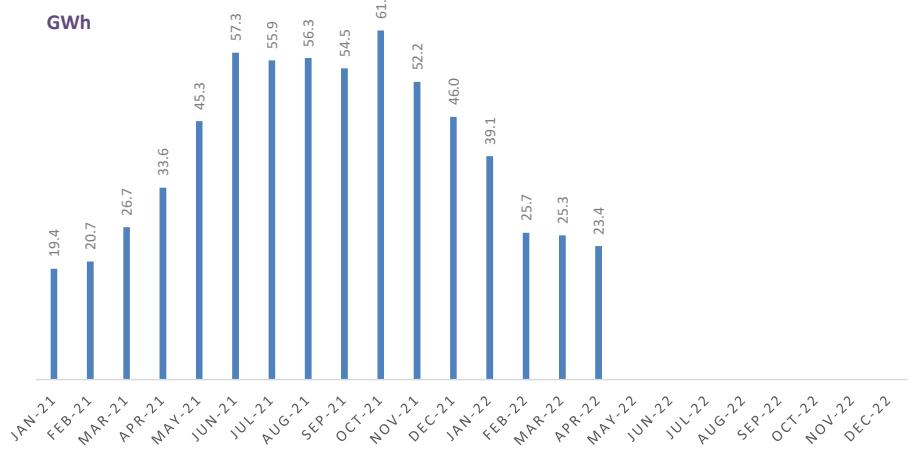
2.3 Generation of Major Power Plants From Last Year



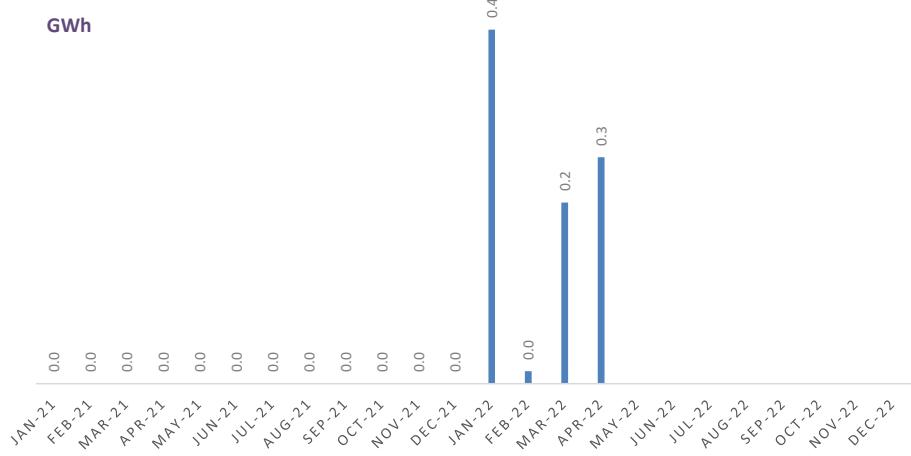
NEW LAXAPANA POWER STATION (115 MW)



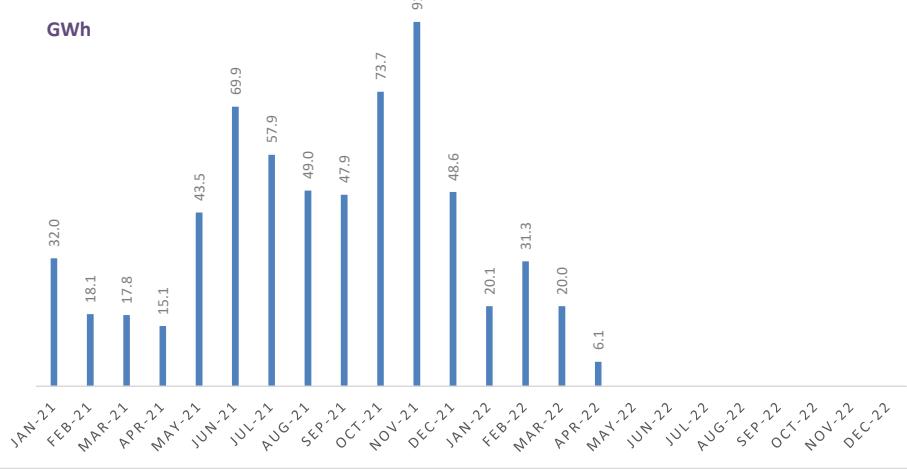
POLPITIYA POWER STATION (90 MW)



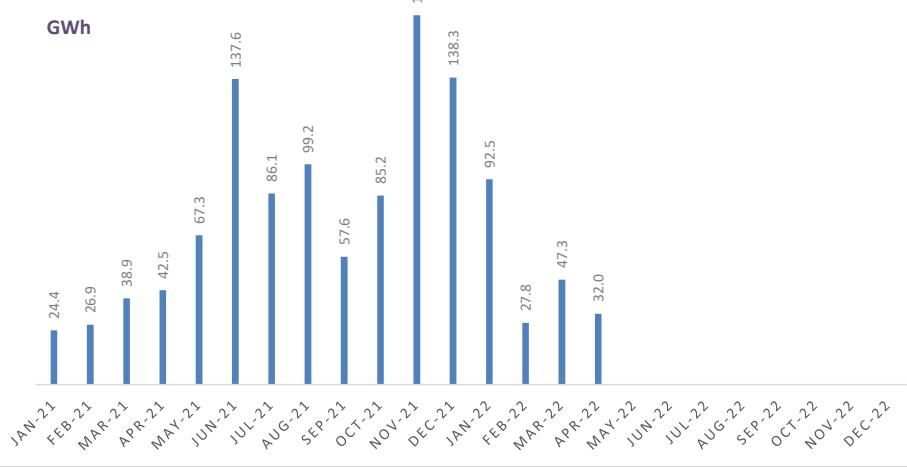
BROADLANDS POWER STATION (35 MW)



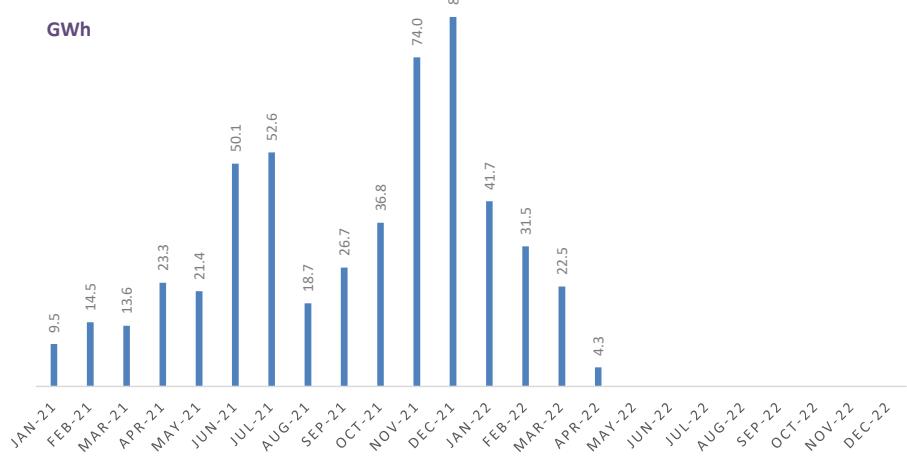
KOTMALE POWER STATION (201 MW)



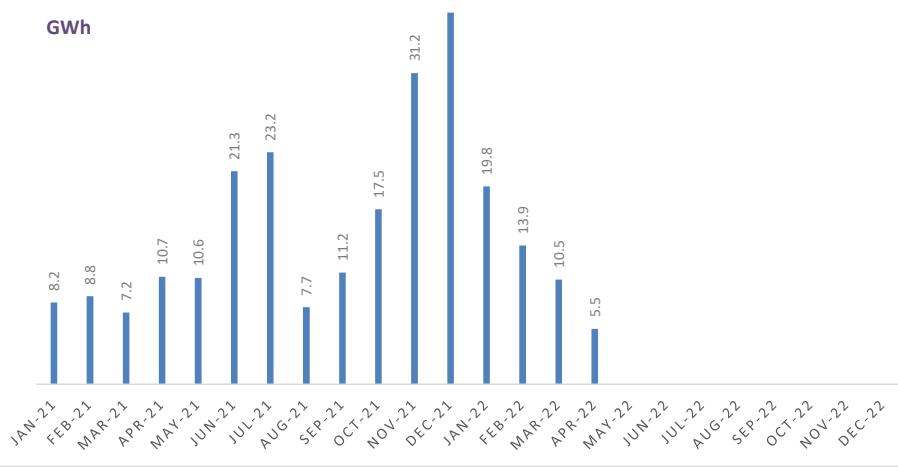
VICTORIA POWER STATION (225 MW)



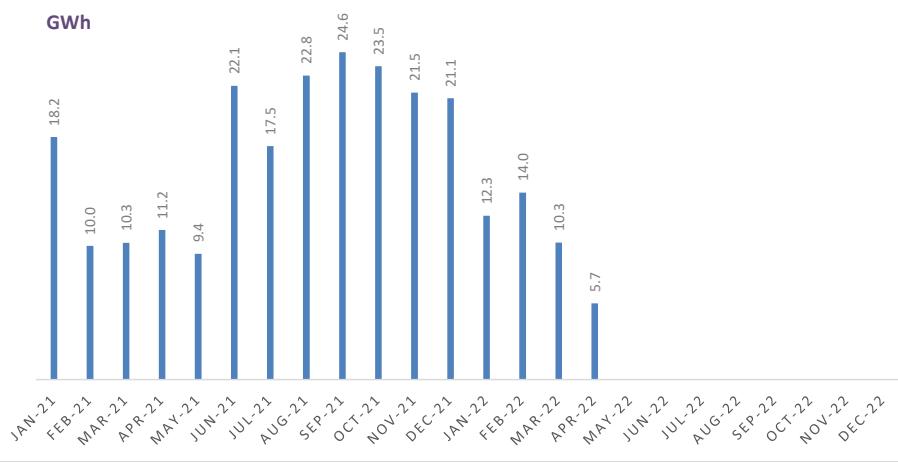
RANDENIGALA POWER STATION (114 MW)



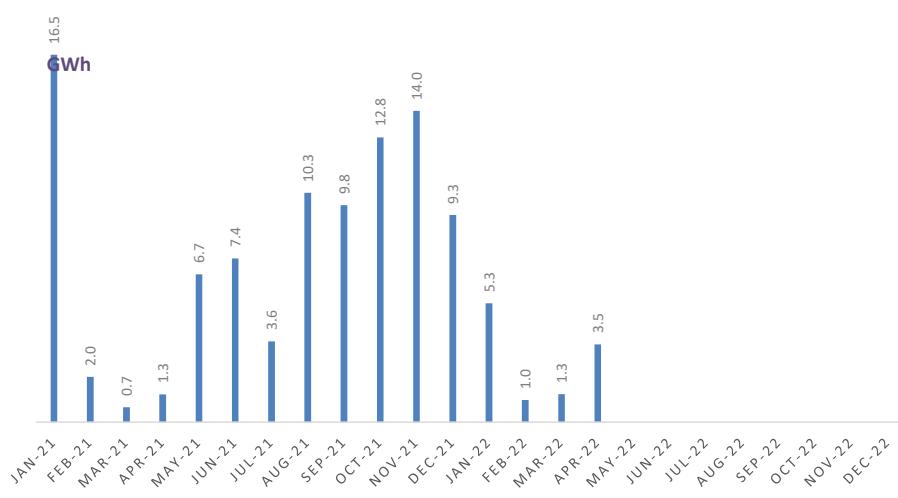
RANTAMBE POWER STATION (50 MW)



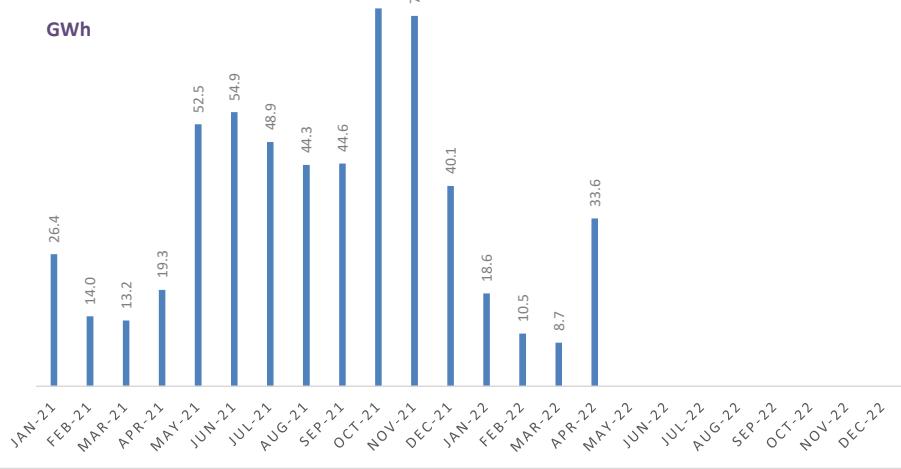
UKUWELA POWER STATION (37 MW)



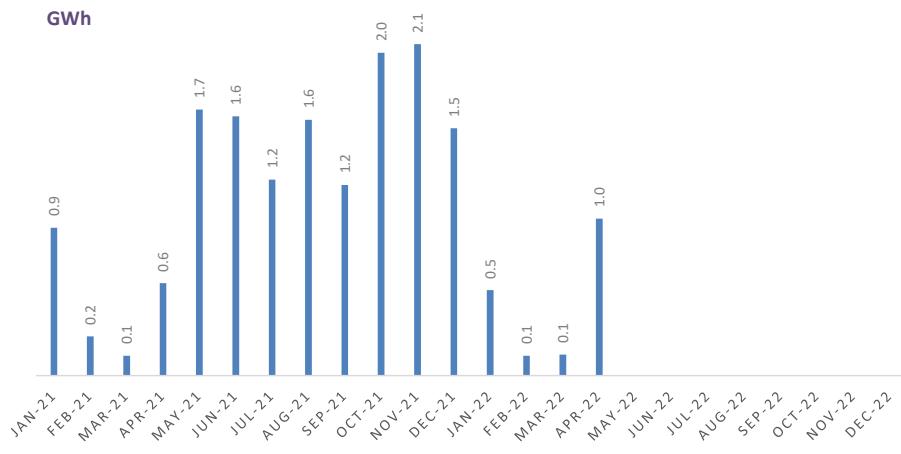
BOWATHENNA POWER STATION (40 MW)



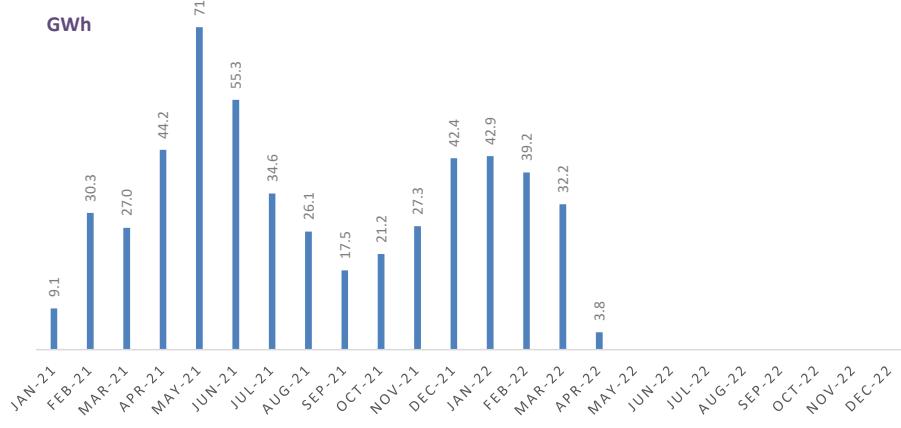
UPPER KOTMATEL POWER STATION (150 MW)



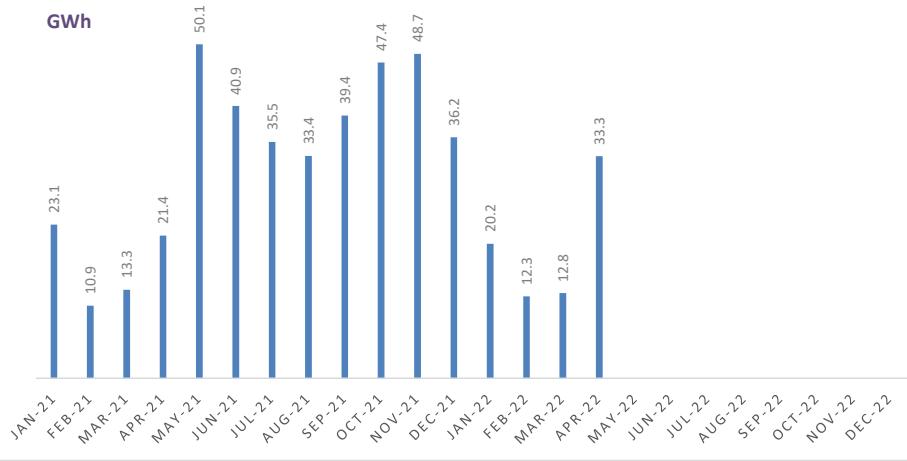
NILLAMBE POWER STATION (3 MW)



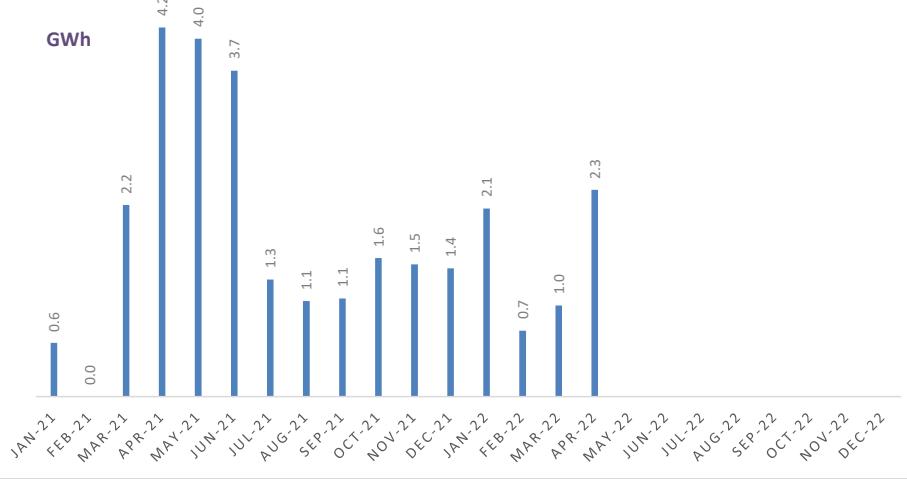
SAMANALAWEWA POWER STATION (120 MW)



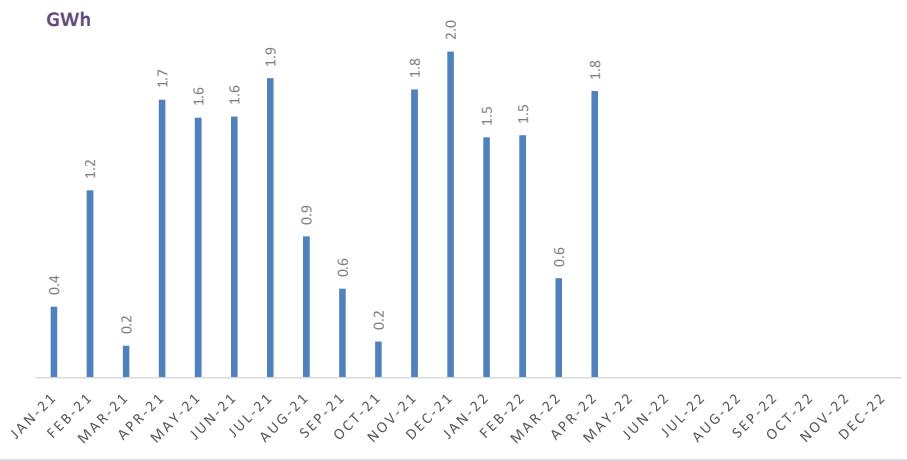
KUKULE POWER STATION (75 MW)



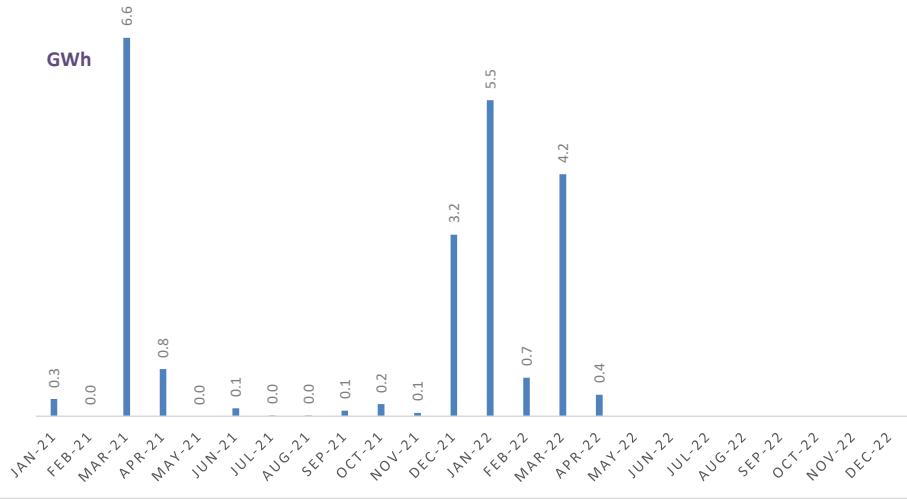
INGINIYAGALA POWER STATION (11 MW)



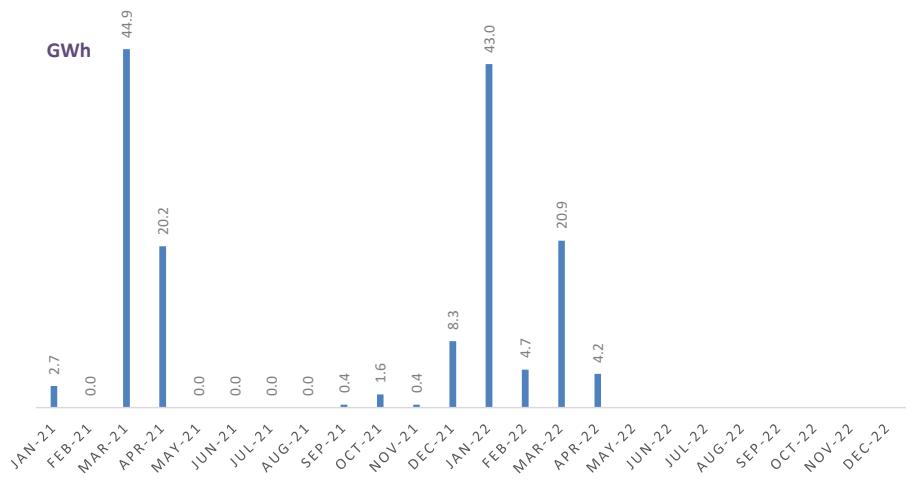
UDAWALAWE POWER STATION (6 MW)



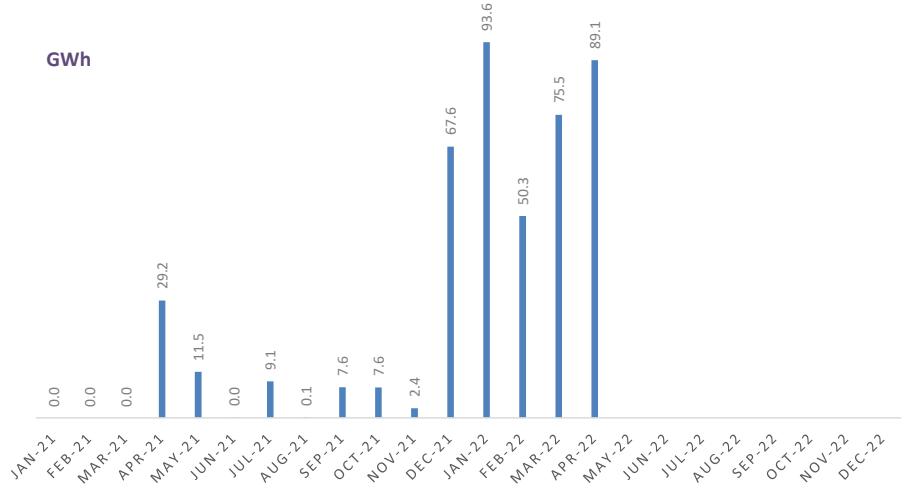
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



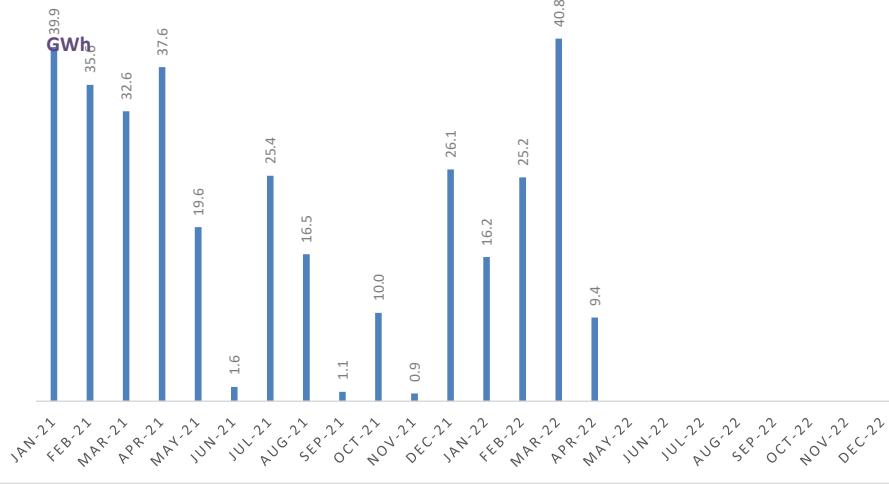
KELANITISSA GT 7 (115 MW)



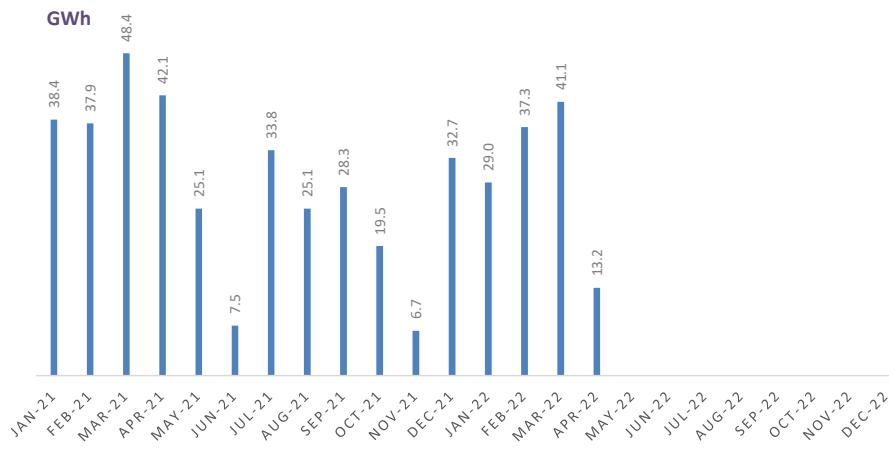
KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



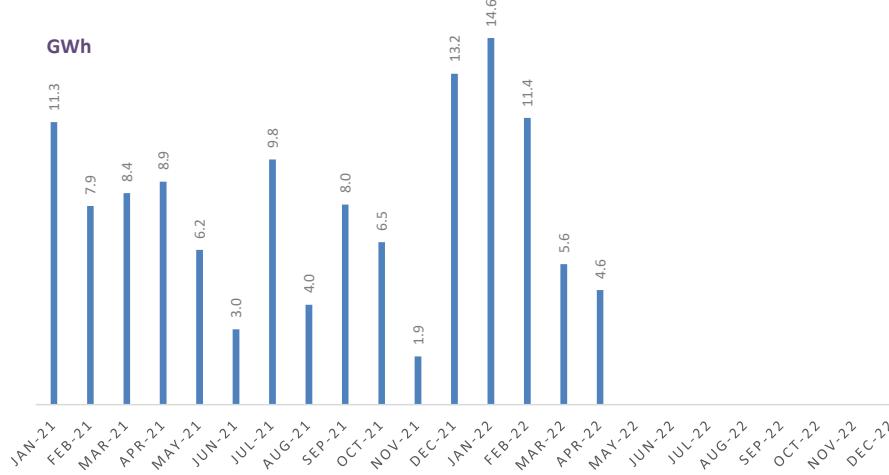
SAPUGASKANDA - A POWER STATION (80 MW)



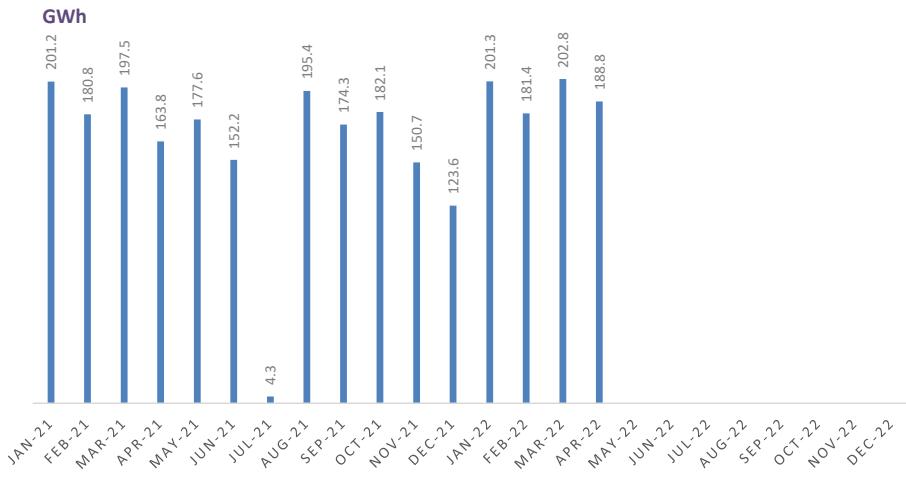
SAPUGASKANDA - B POWER STATION (80 MW)



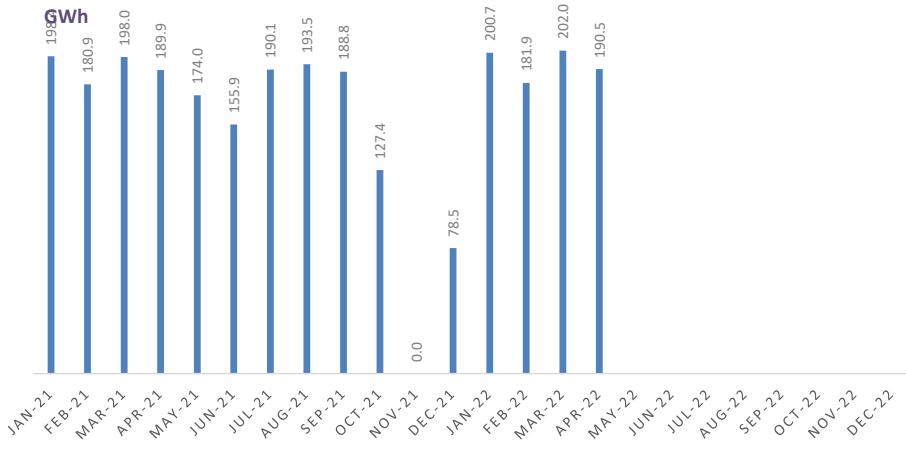
UTHURU JANANEEL POWER STATION (26 MW)



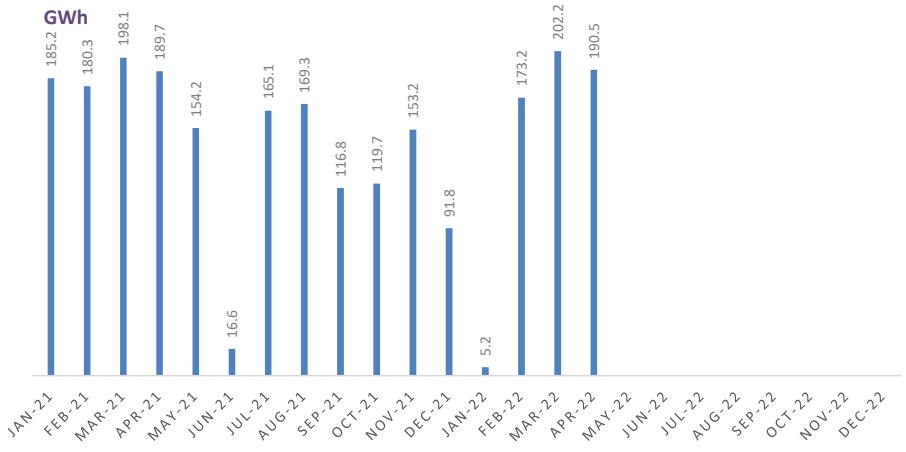
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



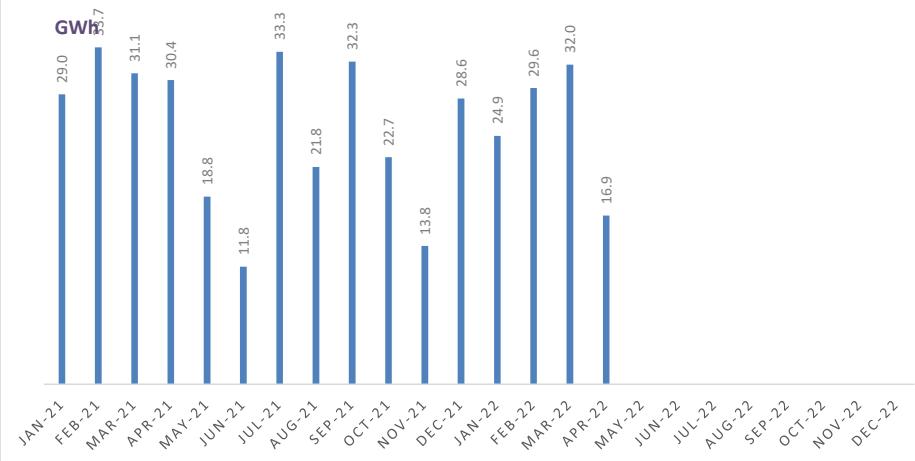
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



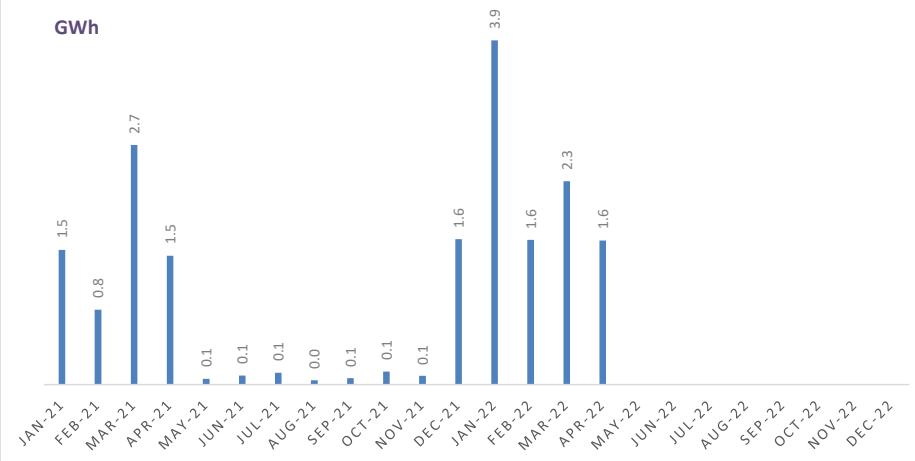
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



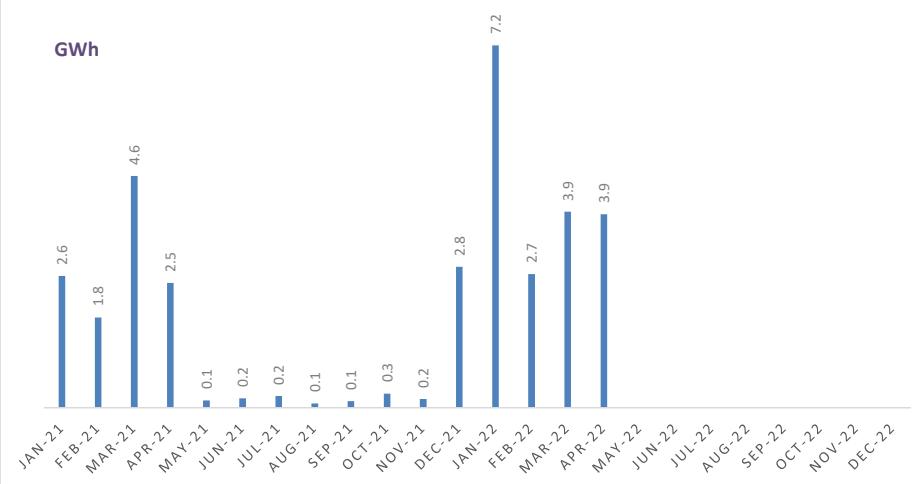
BARGE POWER STATION - CEB (60 MW)



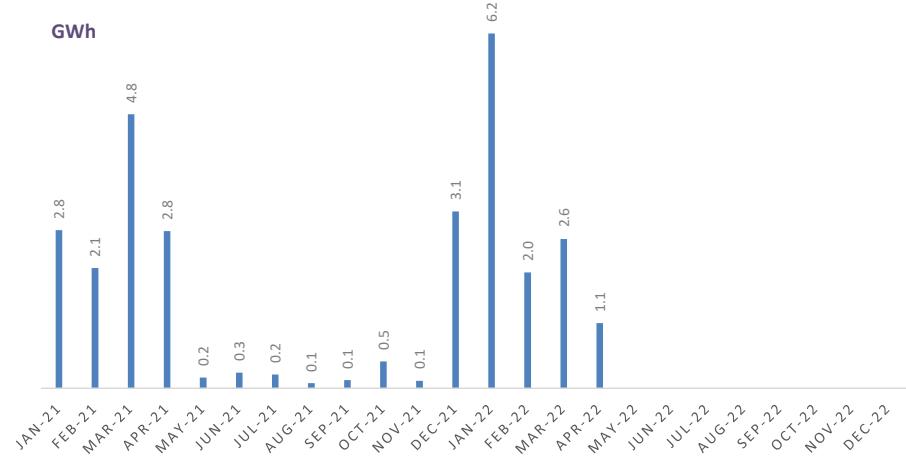
THULHIRIYA - CEB (10 MW)



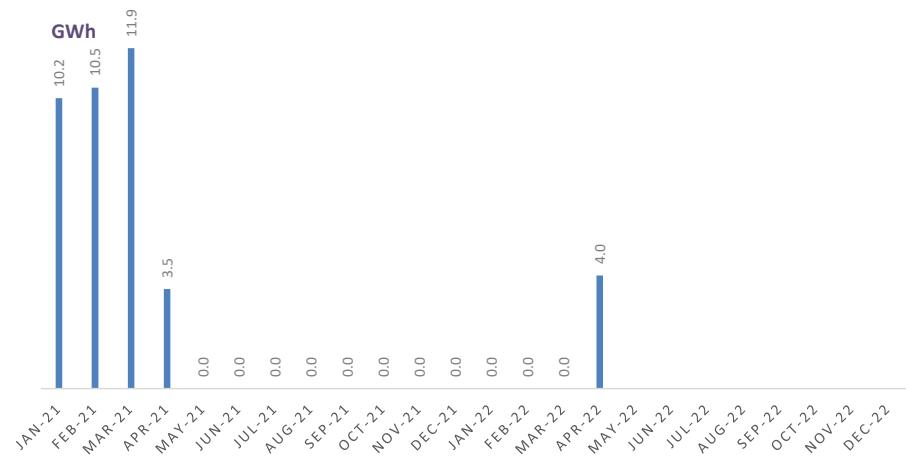
KOLONNAWA - CEB (20 MW)



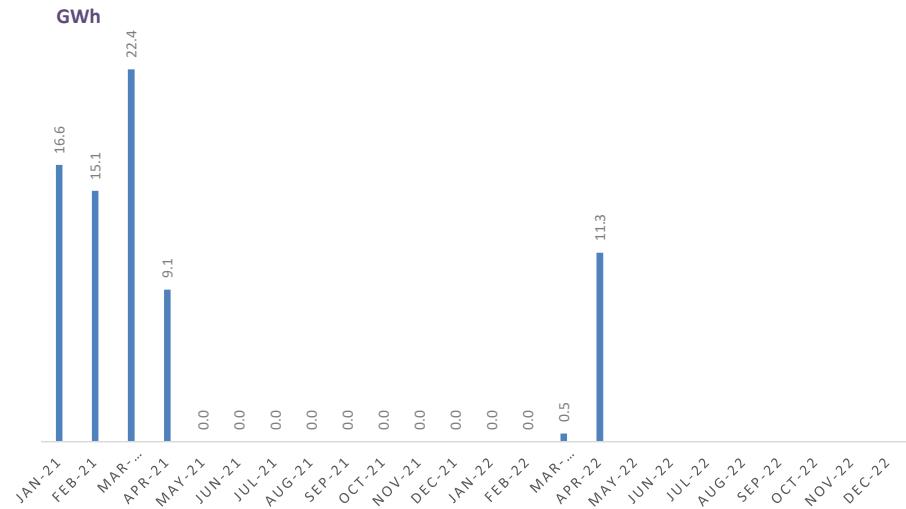
MATHUGAMA - CEB (20 MW)

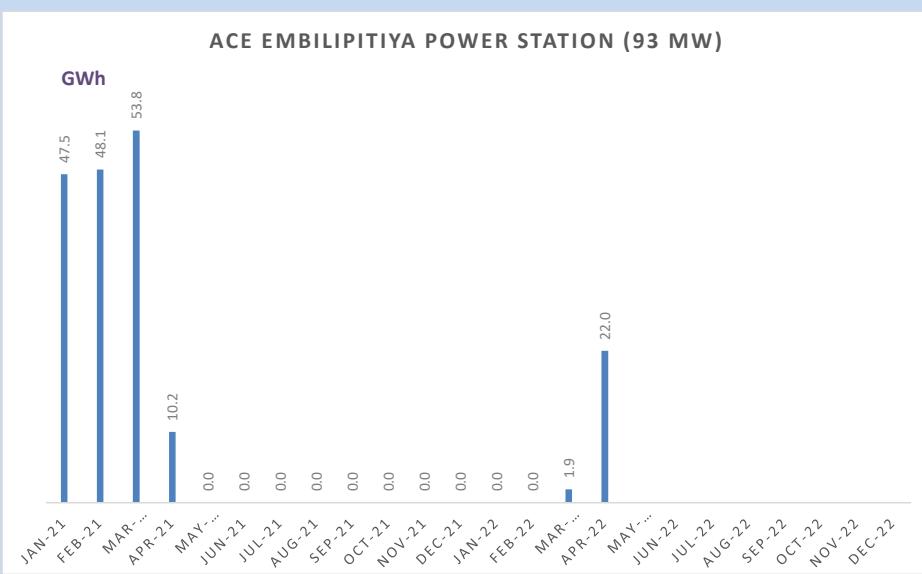
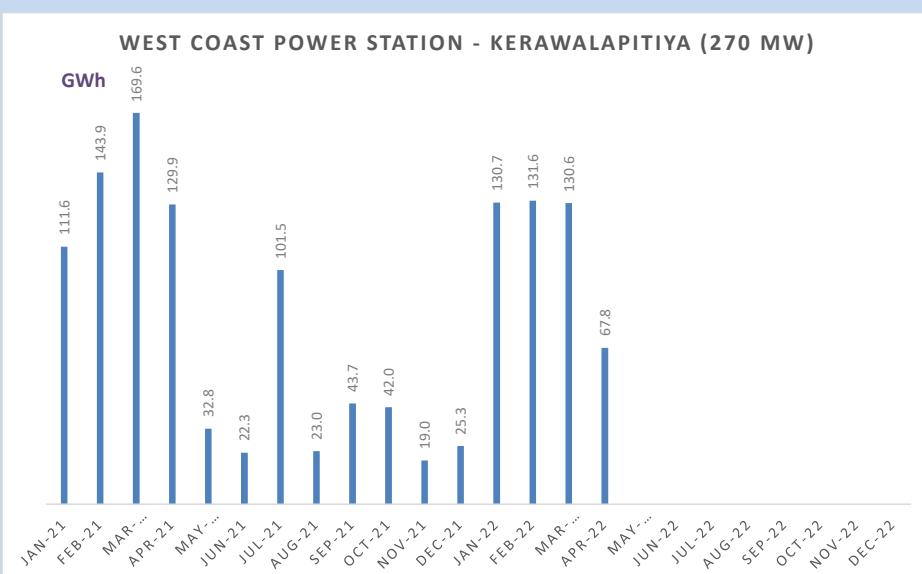
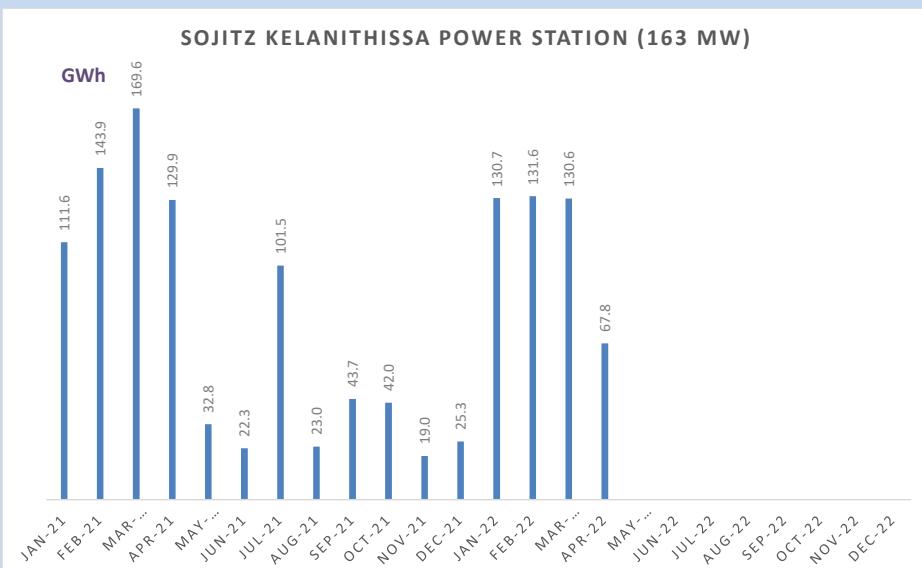


ACE MATARA POWER STATION (24 MW)



ASIA POWER STATION (51 MW)





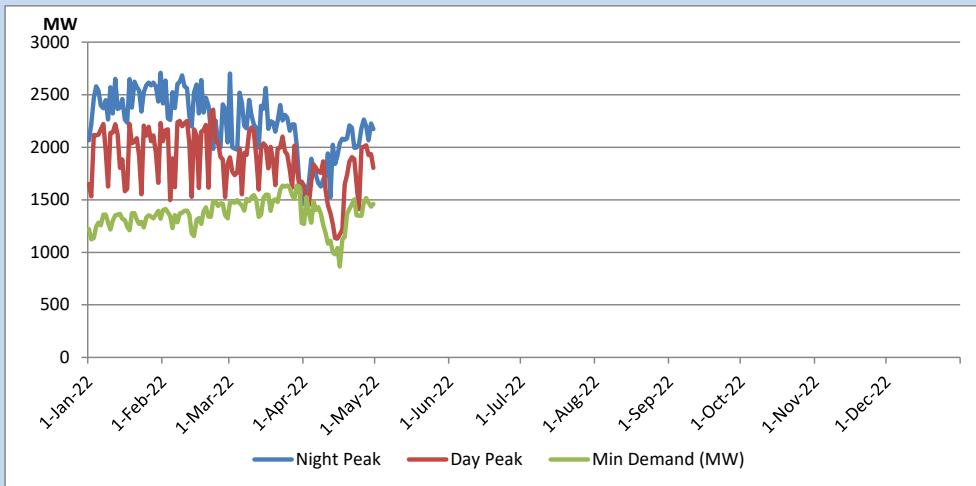
3 Peak Demand

During the month;

Highest Peak Demand	2,264 MW on	26-Apr
Lowest Peak Demand	1,463 MW on	1-Apr
Highest Day Peak Demand	2,018 MW on	27-Apr
Minimum Demand	865 MW on	16-Apr

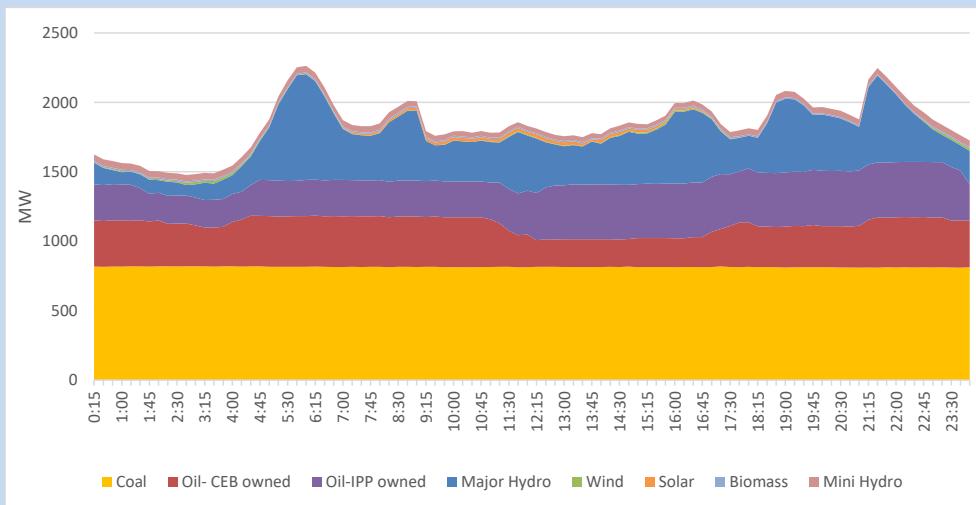
*Demand figures are excluding the contribution from minihydro and biomass plants

3.1 Demand Variation During the year

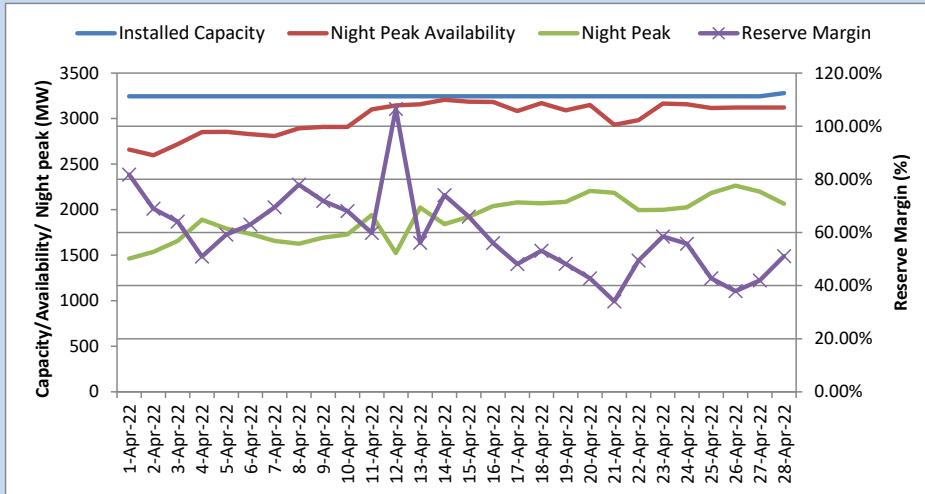


3.2 Load Curve of the Day with Highest Night Peak ,

26-Apr



3.3 Variation of Reserve Margin During Night Peak

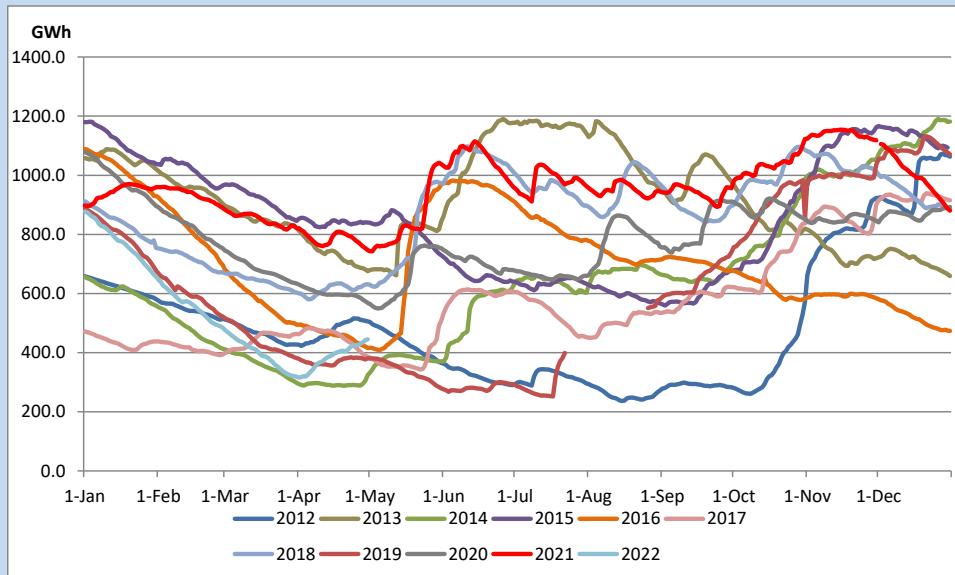


Note: Contribution from NCRE plants is not included

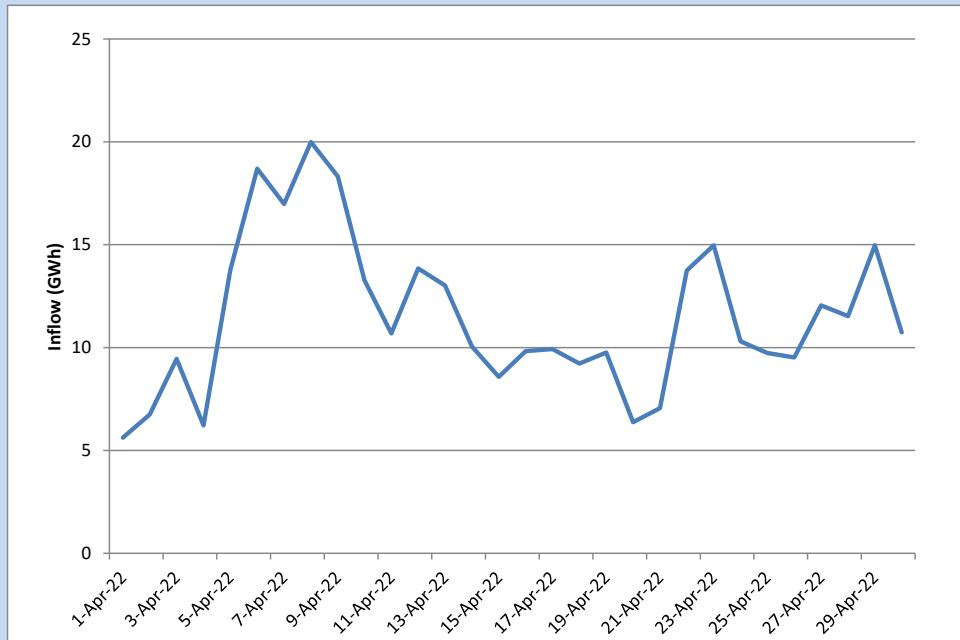
4 Reservoir Statistics

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

