

Monthly Generation Report

September-22

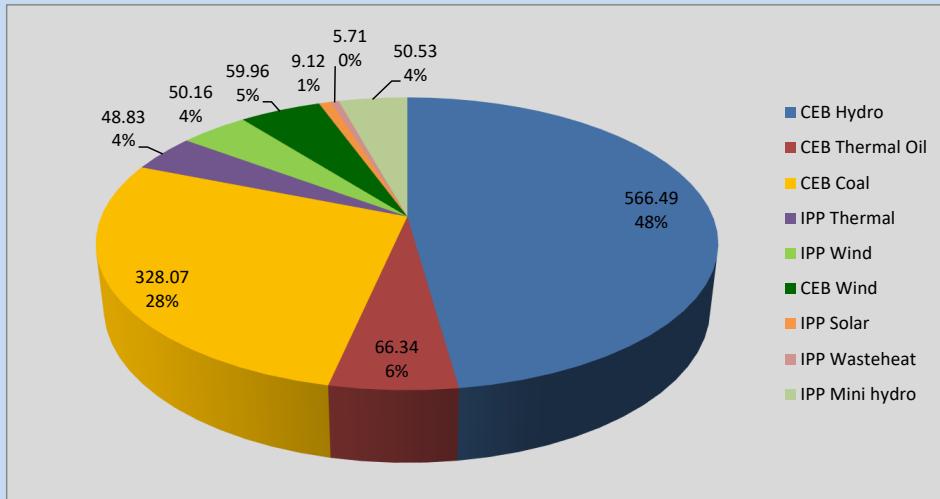


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

September-22

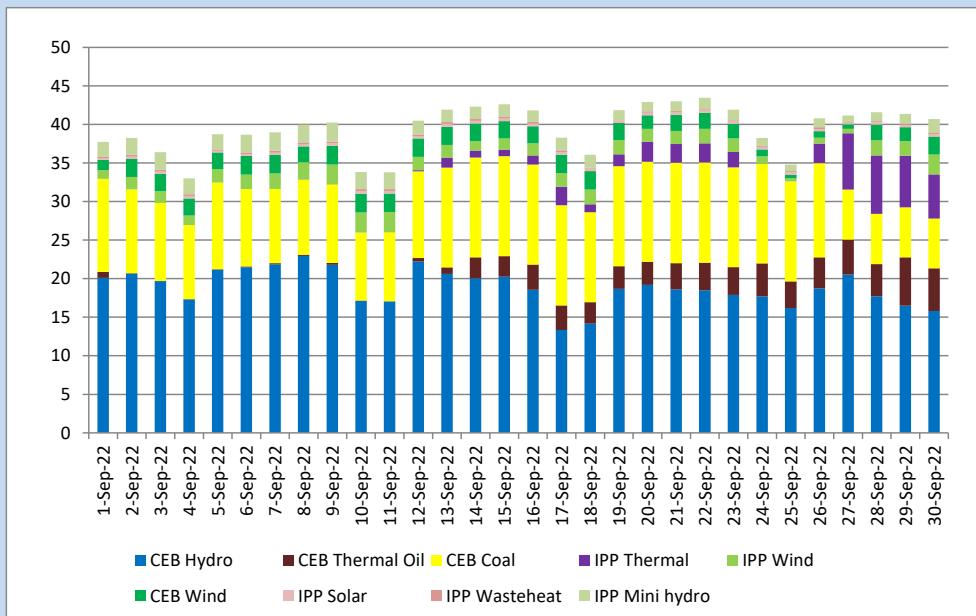


Total Generation =

1,185 GWh

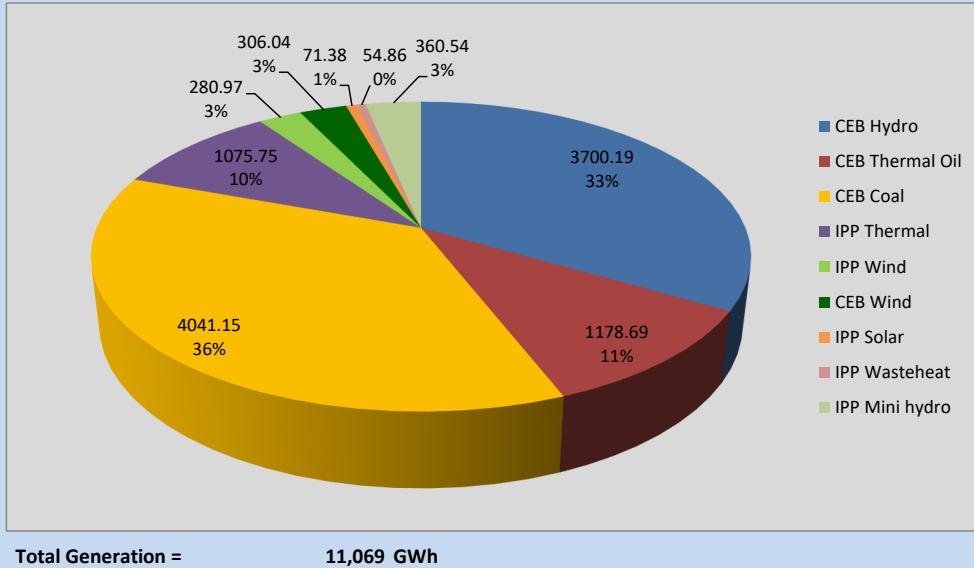
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

1.2 Variation of Daily Generation Mix during the month



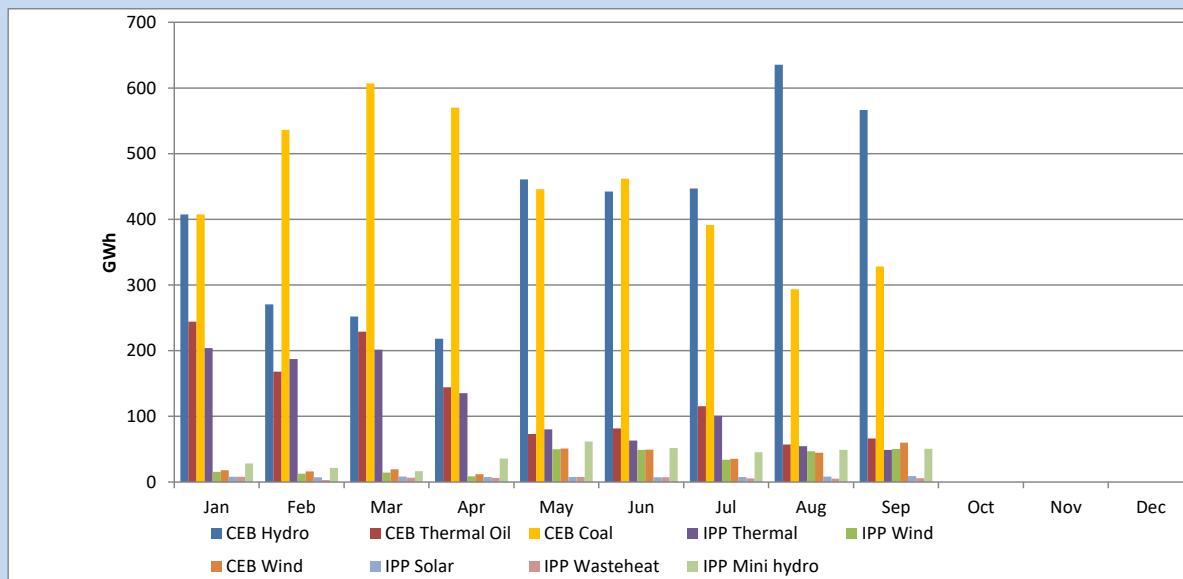
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

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

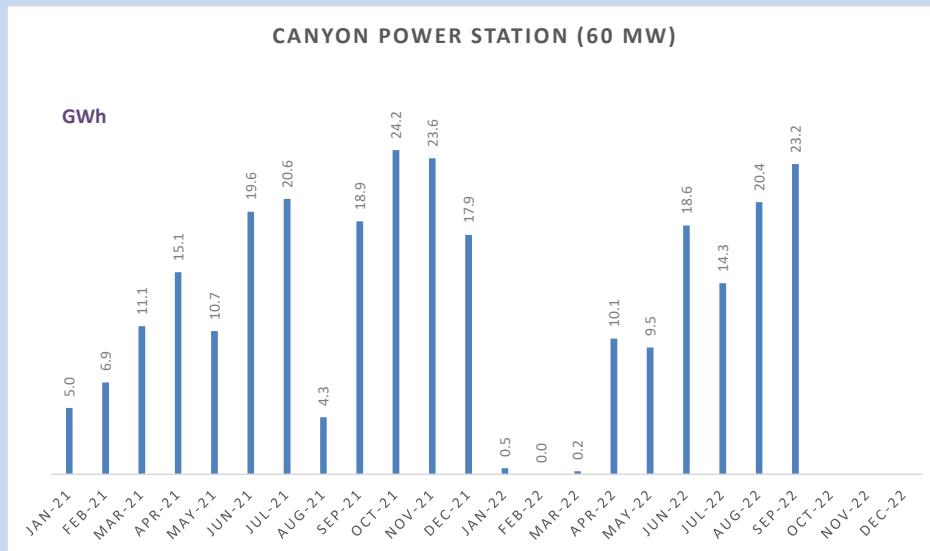
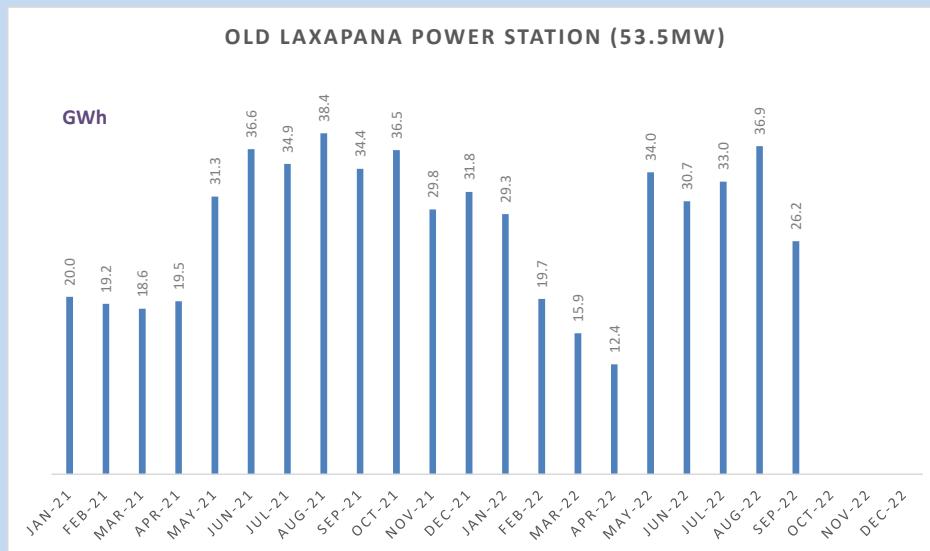
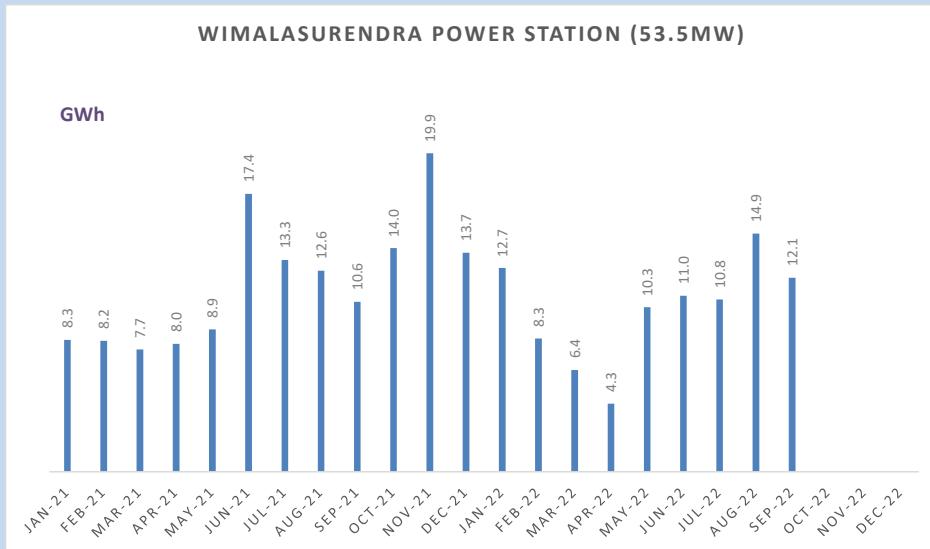
September-22

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	12,135	33.7%
Old Laxapana	54	26,242	67.5%
Canyon	60	23,205	53.7%
New Laxapana	100	65,178	90.5%
Polpitiya	90	49,380	76.2%
Broadlands	35	1,916	7.6%
Kotmale	201	67,340	46.5%
Victoria	225	118,720	73.3%
Randenigala	114	32,132	39.1%
Rantambe	50	14,292	39.7%
Ukuwela	37	20,825	78.2%
Bowatenna	40	14,051	48.8%
Upper Kotmale	150	54,302	50.3%
Nilambe	3	1,456	67.4%
Samanalawewa	120	25,283	29.3%
Kukule	75	29,902	55.4%
Inginiyagala	11	541	6.8%
Udawalawe	6	451	10.4%
Puttalam Coal I	270	178,231	91.7%
Puttalam Coal II	270	0	0.0%
Puttalam Coal III	270	149,843	77.1%
KPS Small GTs	64	15	0.0%
KPS GT 7	115	0	0.0%
KCCP	161	5,748	5.0%
Sapugaskanda A	70	6,853	13.6%
Sapugaskanda B	70	26,057	51.7%
Uthura Janani	26	6,228	33.3%
Barge CEB	60	20,702	47.9%
CEB - Thulhiriya	10	0	0.0%
CEB - Kolonnawa	20	233	1.6%
CEB - Mathugama	20	307	2.1%
ACE Matara	24	1,668	9.7%
Asia Power	51	0	0.0%
Sojitz Kelanitissa	163	0	0.0%
West Coast	270	45,875	23.6%
ACE Embilipitiya	93	1,258	1.9%

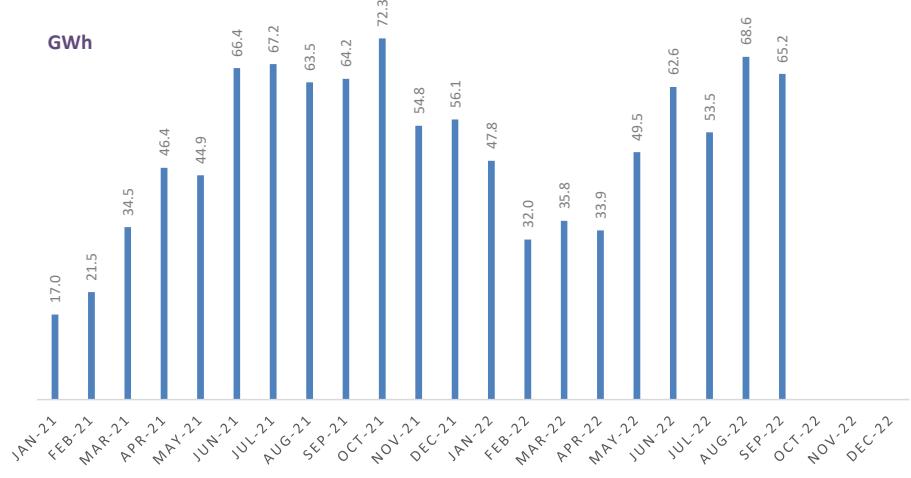
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

Power Station	Availability (GWh)	Generation (GWh)	Running PF (%)
Wimalasurendra	31.8	12.1	38.2%
Old Laxapana	26.6	26.2	98.6%
Canyon	43.2	23.2	53.7%
New Laxapana	69.6	65.2	93.6%
Polpitiya	61.6	49.4	80.2%
Broadlands	4.2	1.9	45.6%
Kotmale	144.7	67.3	46.5%
Victoria	168.5	118.7	70.5%
Randenigala	48.0	32.1	66.9%
Rantambe	35.4	14.3	40.4%
Ukuwela	25.9	20.8	80.3%
Bowatenna	28.8	14.1	48.8%
Upper Kotmale	108.0	54.3	50.3%
Nilambe	1.4	1.5	101.1%
Samanalawewa	86.4	25.3	29.3%
Kukule	47.7	29.9	62.7%
Inginiyagala	5.0	0.5	10.7%
Udawalawe	2.2	0.5	20.2%
Puttalam Coal I	194.4	178.2	91.7%
Puttalam Coal II	0.0	0.0	0.0%
Puttalam Coal III	168.5	149.8	88.9%
KPS Small GTs	0.0	0.0	#DIV/0!
KPS GT 7	0.0	0.0	0.0%
KCCP	7.4	5.7	0.0%
Sapugaskanda A	30.1	6.9	22.7%
Sapugaskanda B	45.4	26.1	57.4%
Uthura Janani	11.5	6.2	54.1%
Barge CEB	40.8	20.7	50.7%
CEB - Thulhiriya	0.0	0.0	#DIV/0!
CEB - Kolonnawa	8.1	0.2	2.9%
CEB - Mathugama	6.3	0.3	4.9%
ACE Matara	16.7	1.7	10.0%
Sojitz Kelanitissa	0.0	0.0	0.0%
West Coast	194.4	45.9	23.6%
ACE Embilipitiya	2.2	1.3	0.0%

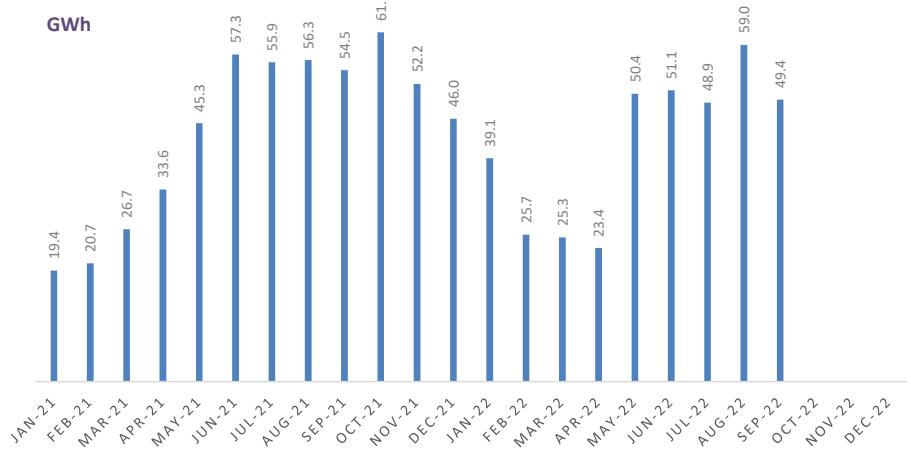
2.3 Generation of Major Power Plants From Last Year



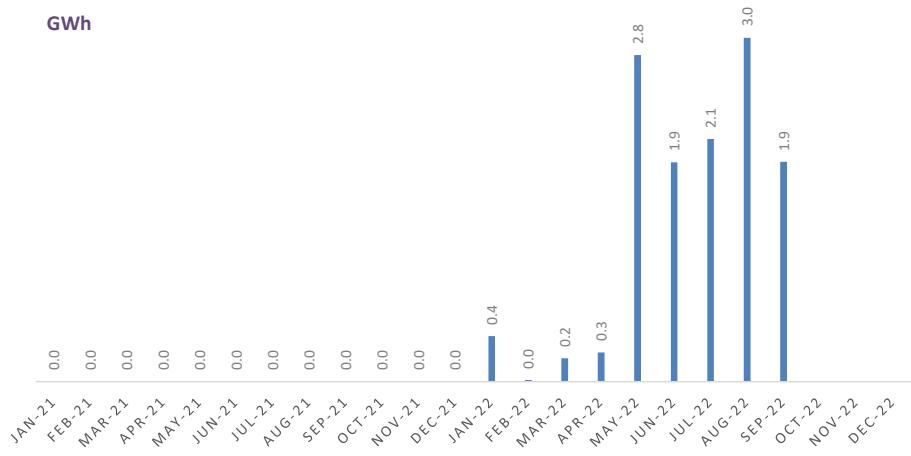
NEW LAXAPANA POWER STATION (115 MW)



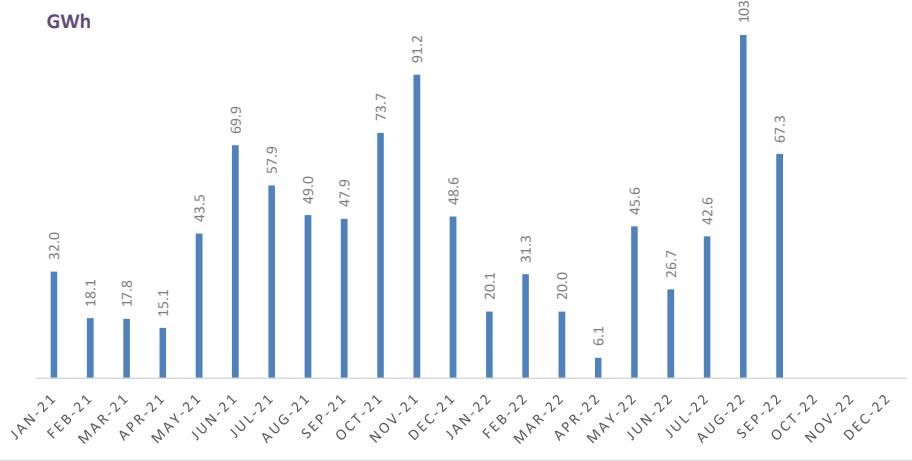
POLPITIYA POWER STATION (90 MW)



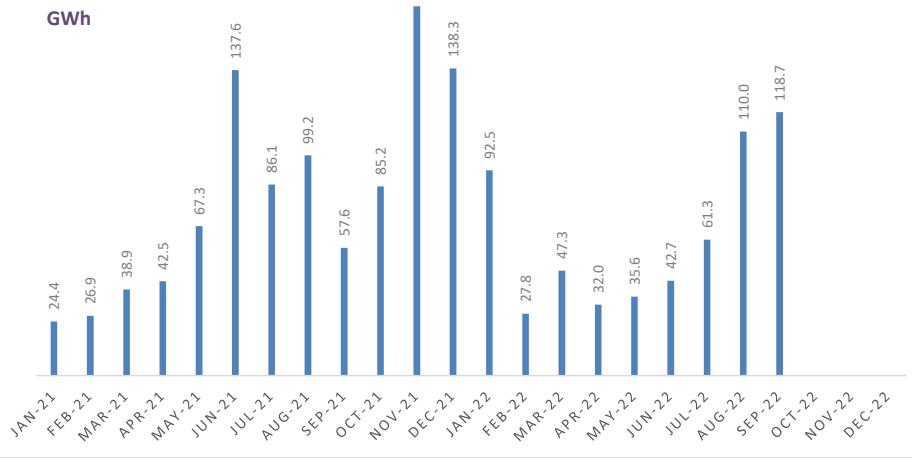
BROADLANDS POWER STATION (35 MW)



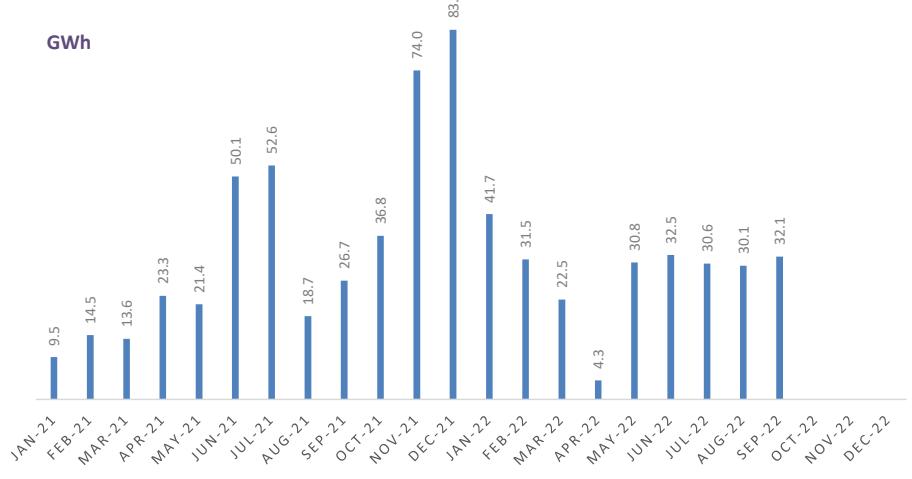
KOTMALE POWER STATION (201 MW)



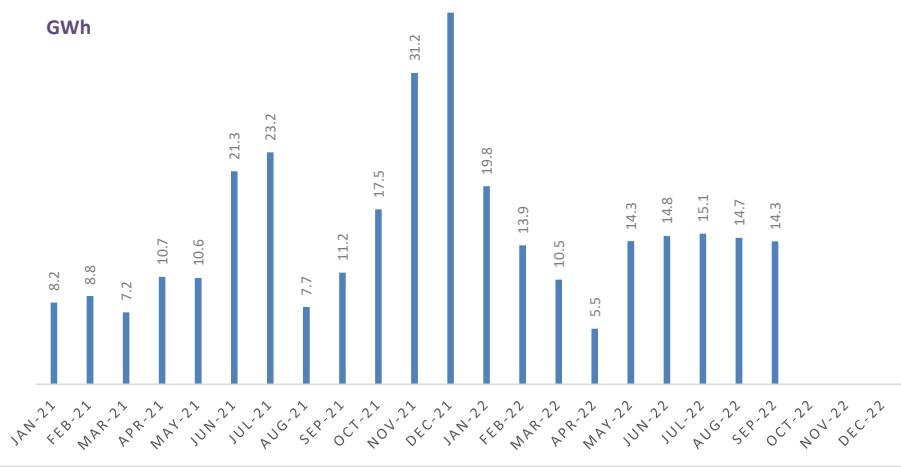
VICTORIA POWER STATION (225 MW)



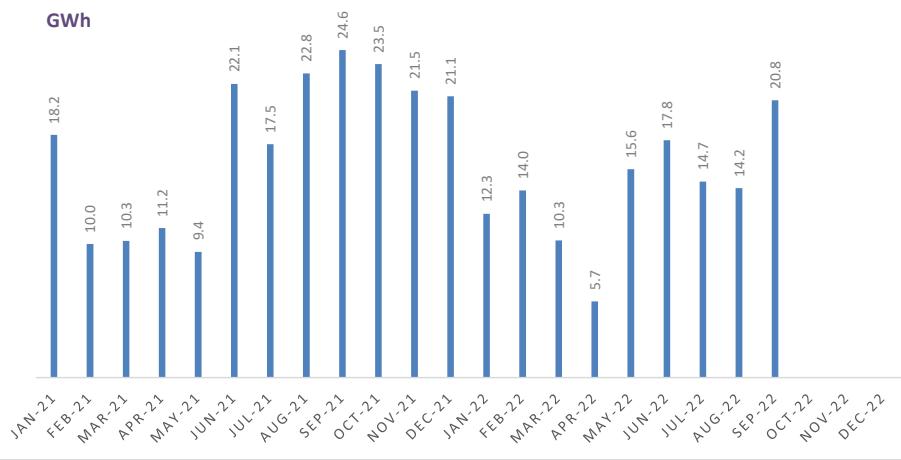
RANDENIGALA POWER STATION (114 MW)



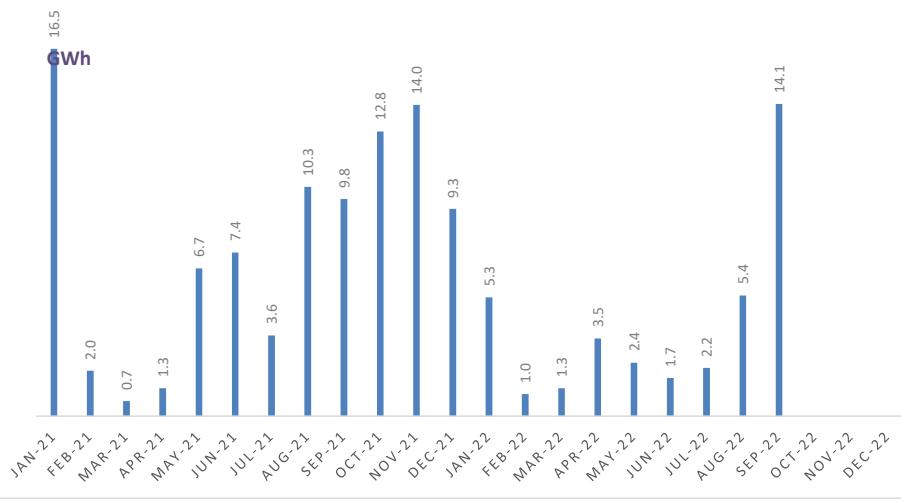
RANTAMBE POWER STATION (50 MW)



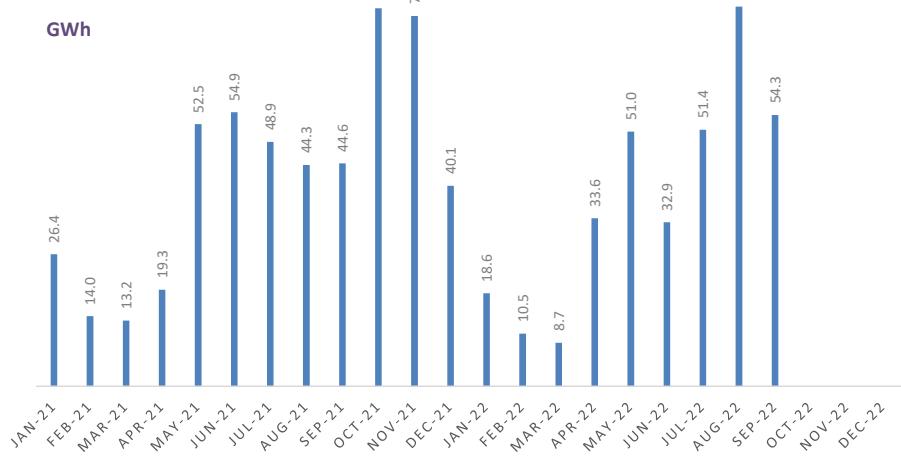
UKUWELA POWER STATION (37 MW)



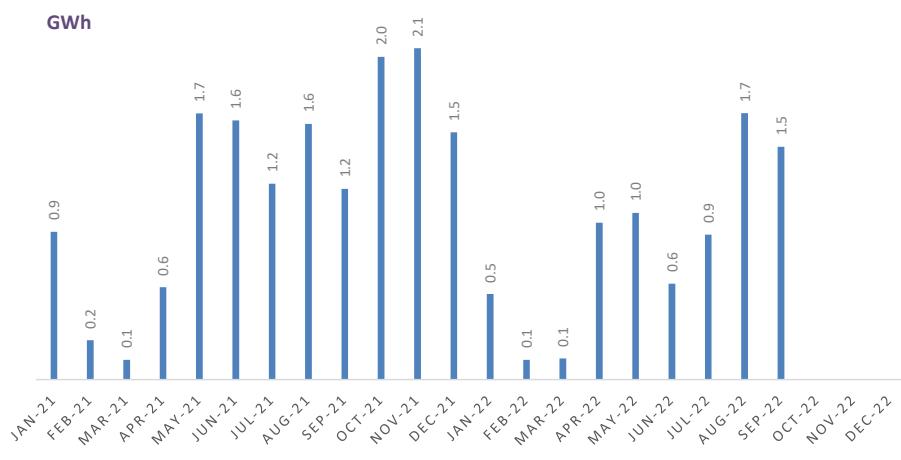
BOWATHENNA POWER STATION (40 MW)



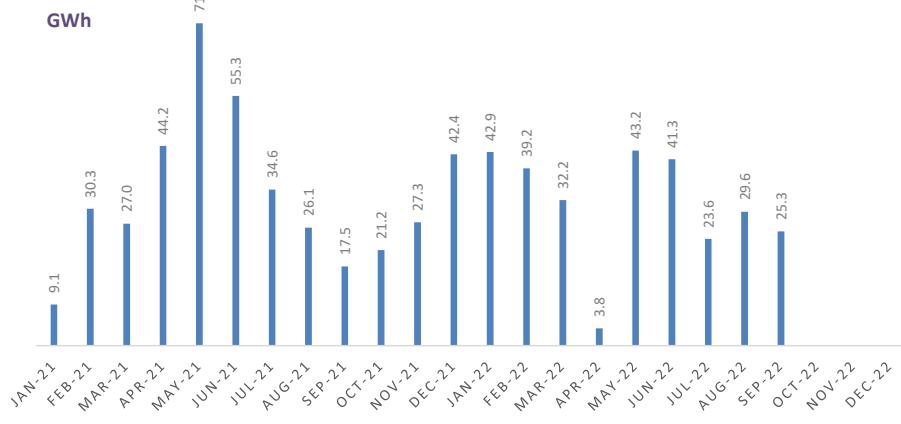
UPPER KOTMATEL POWER STATION (150 MW)



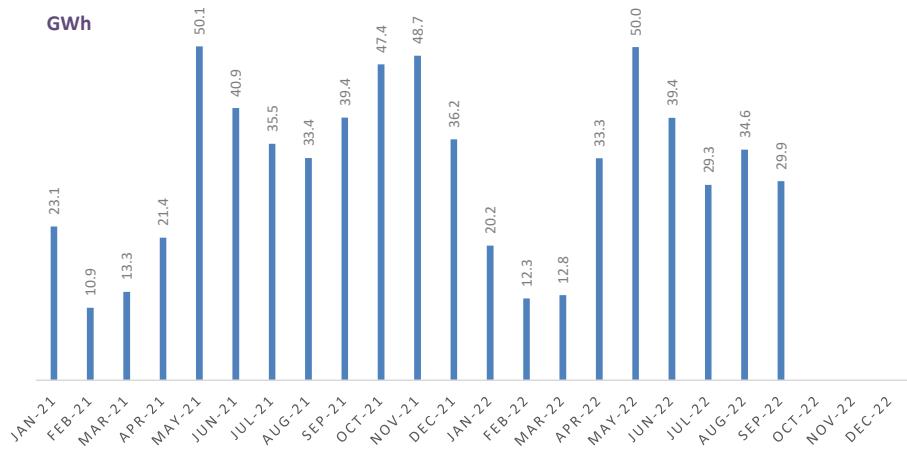
NILLAMBE POWER STATION (3 MW)



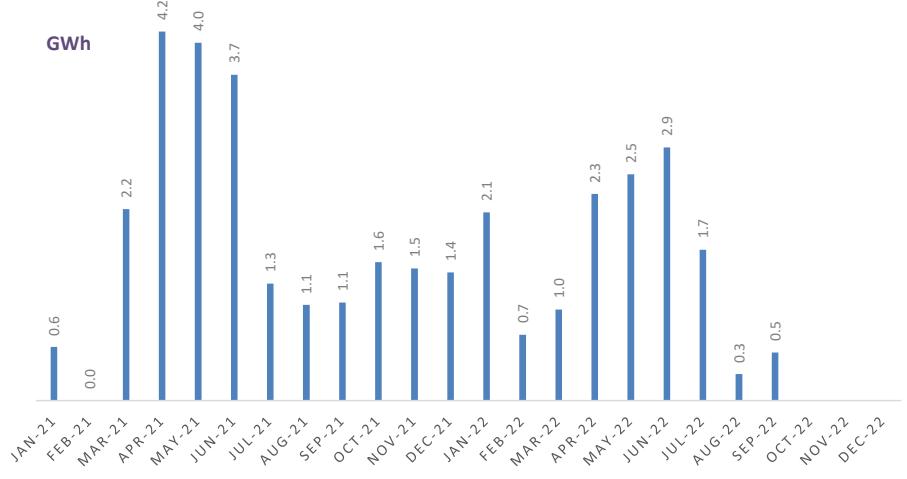
SAMANALAWEWA POWER STATION (120 MW)



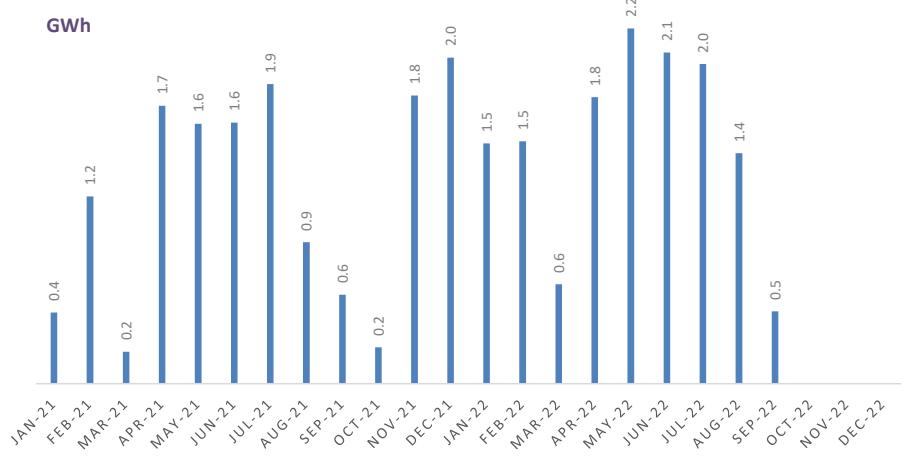
KUKULE POWER STATION (75 MW)



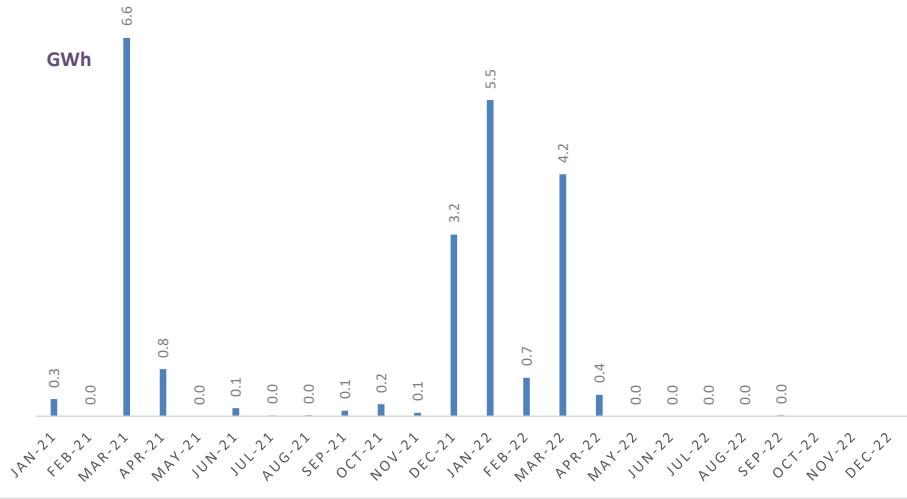
INGINIYAGALA POWER STATION (11 MW)



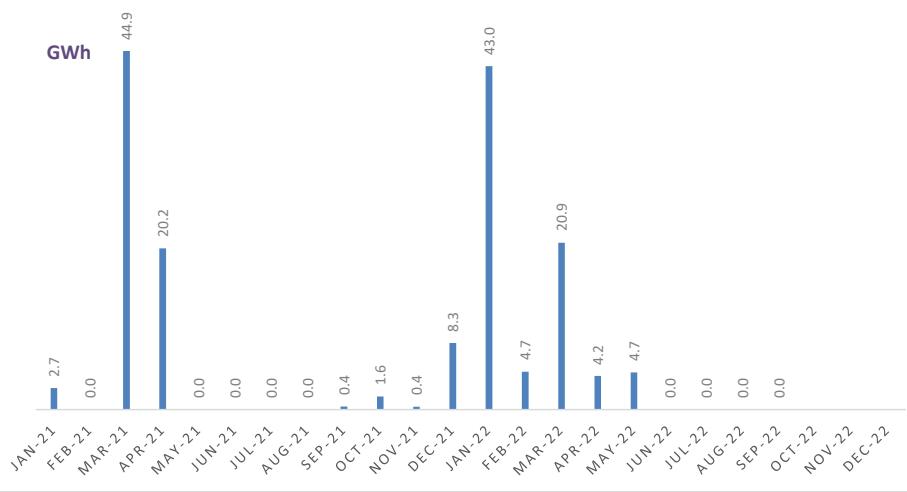
UDAWALAWE POWER STATION (6 MW)



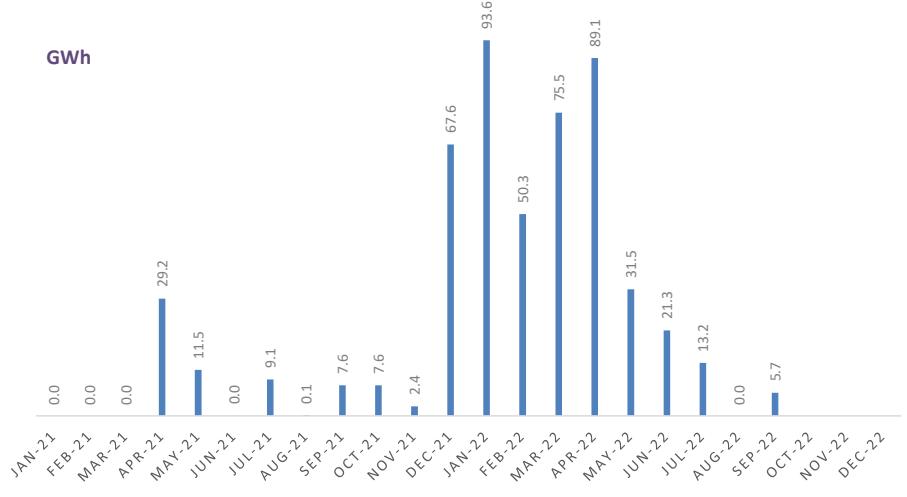
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



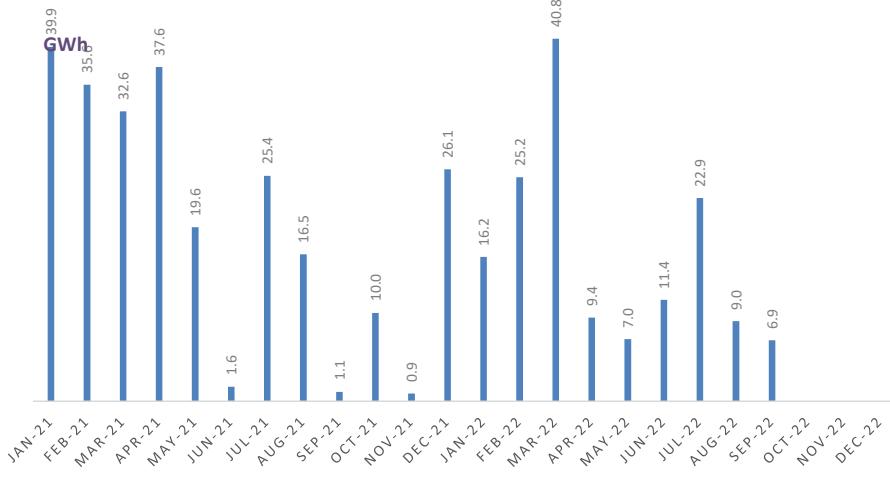
KELANITISSA GT 7 (115 MW)



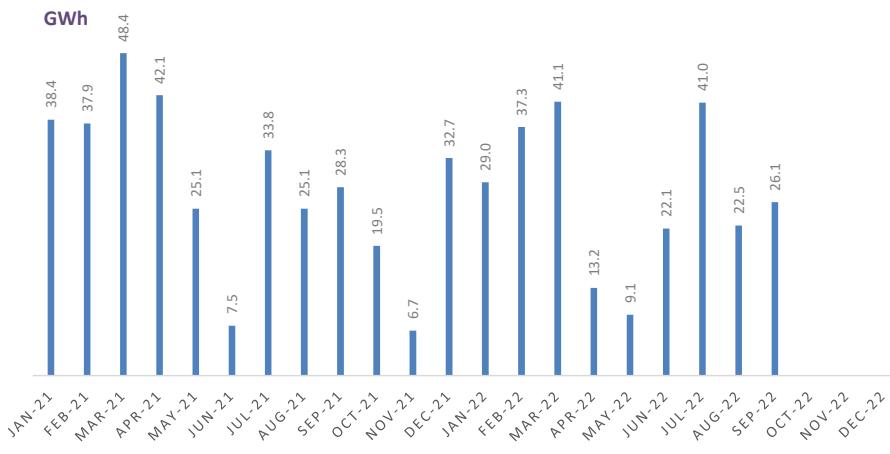
KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



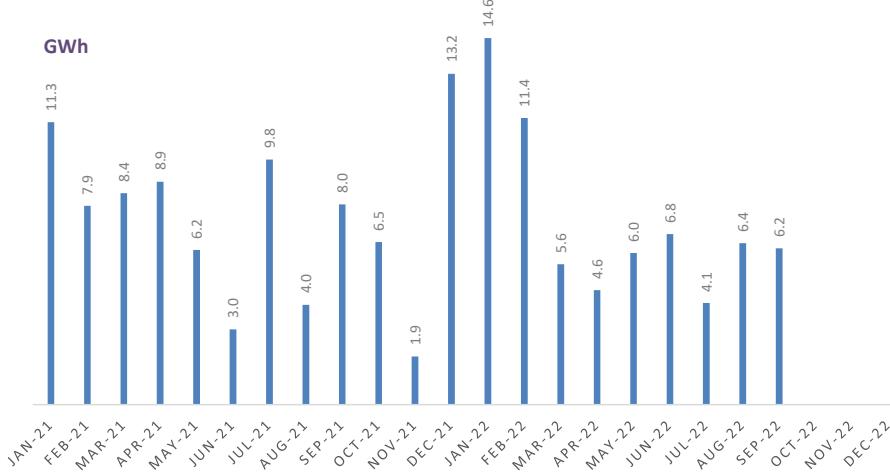
SAPUGASKANDA - A POWER STATION (80 MW)



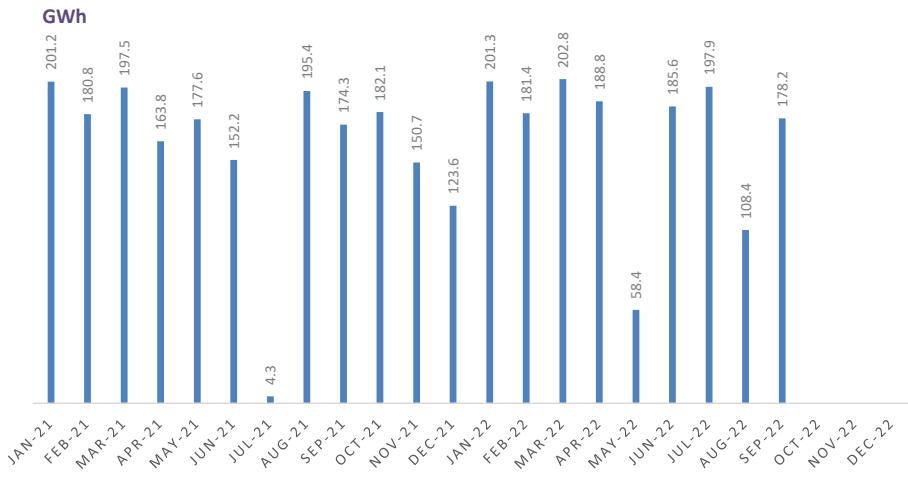
SAPUGASKANDA - B POWER STATION (80 MW)



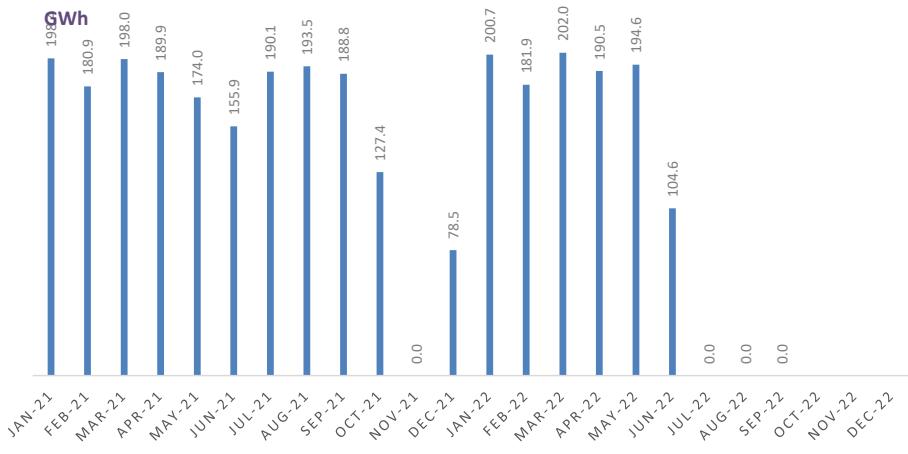
UTHURU JANANEEL POWER STATION (26 MW)



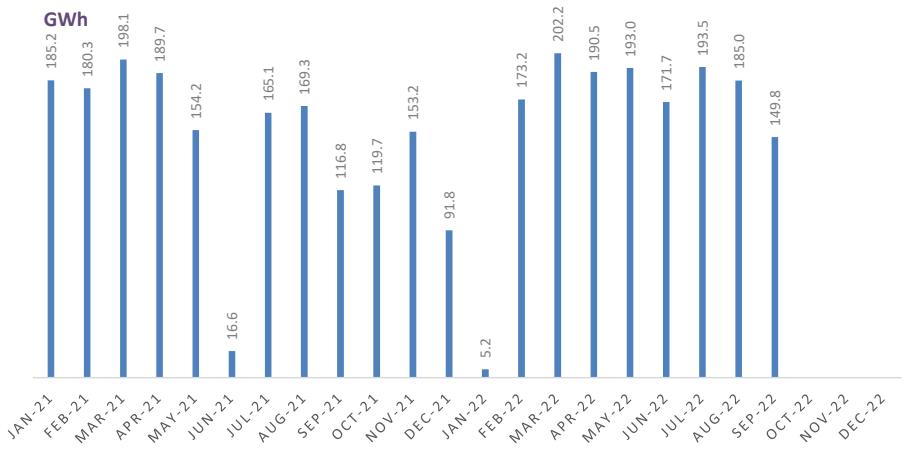
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



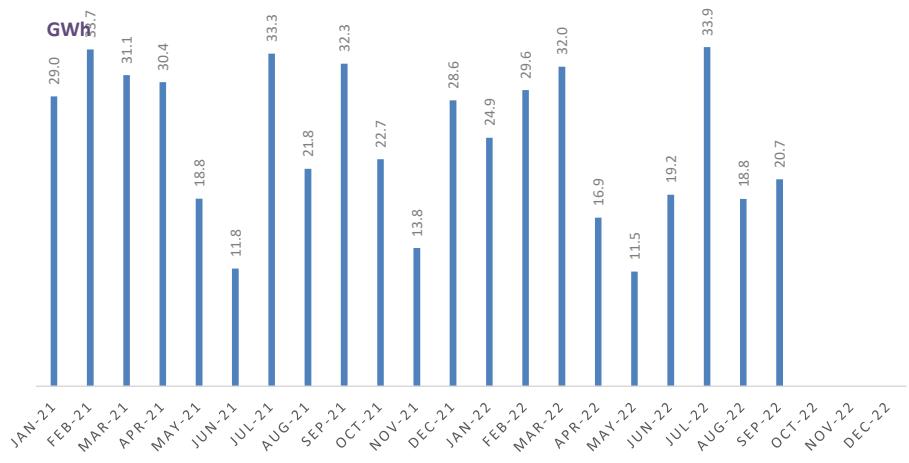
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



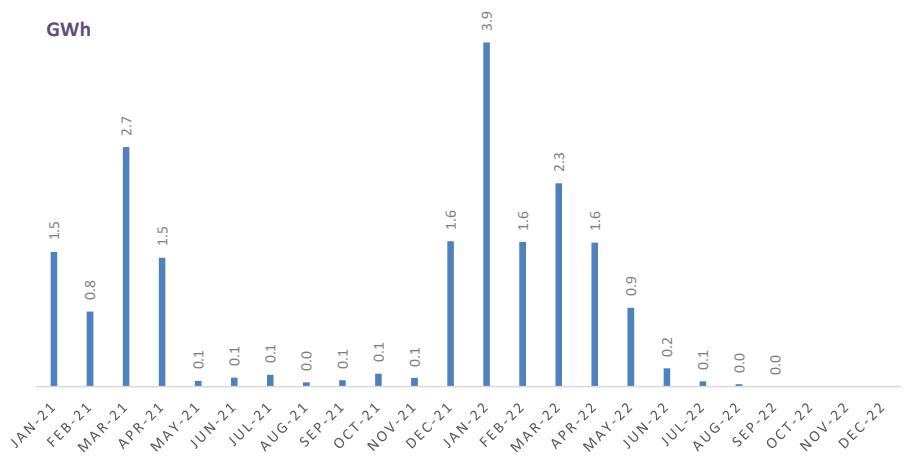
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



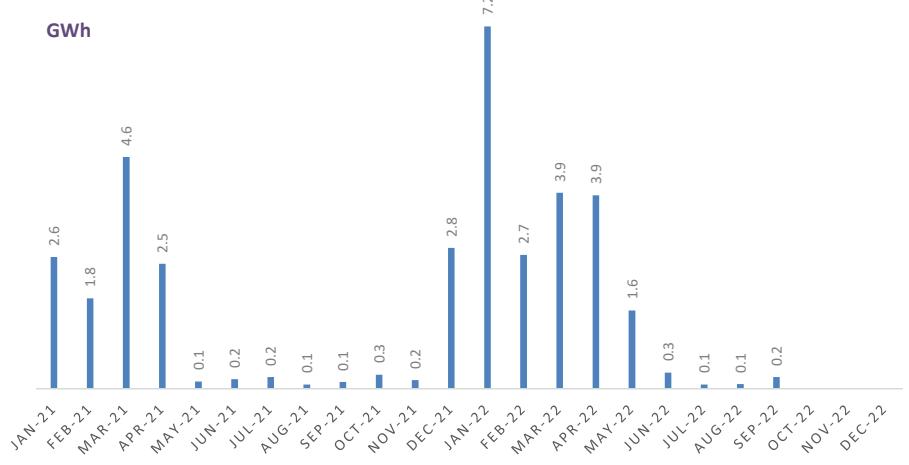
BARGE POWER STATION - CEB (60 MW)



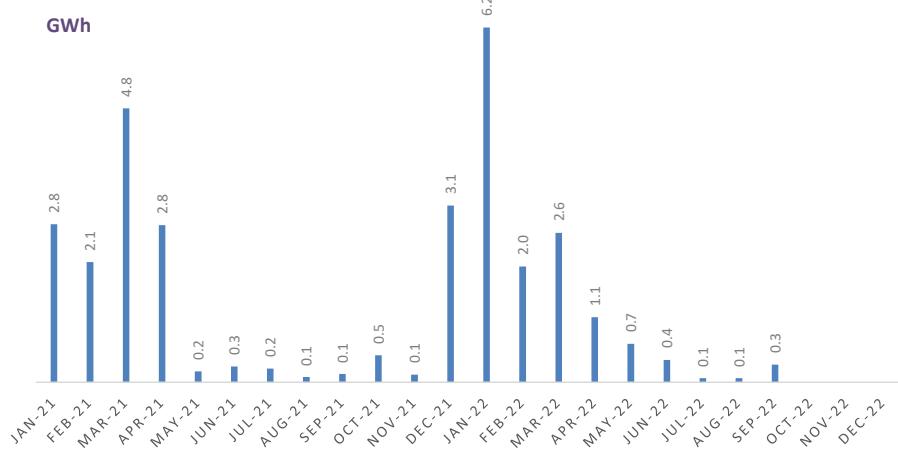
THULHIRIYA - CEB (10 MW)



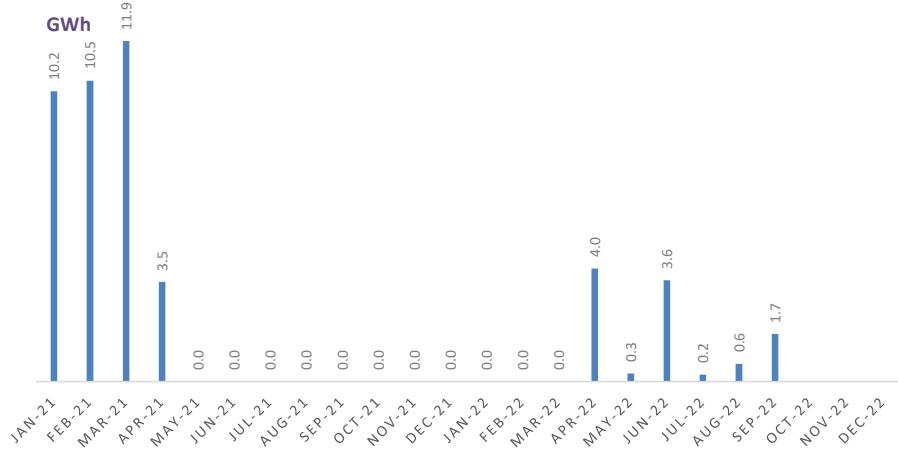
KOLONNAWA - CEB (20 MW)



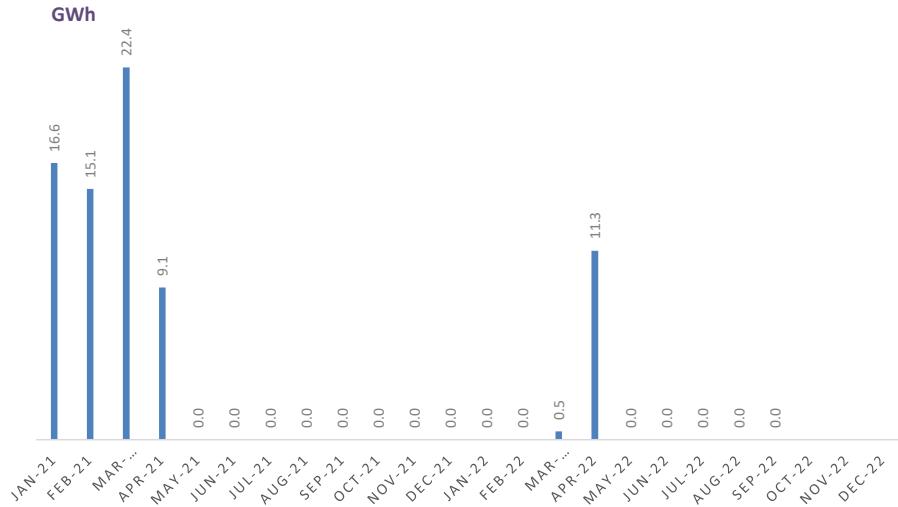
MATHUGAMA - CEB (20 MW)



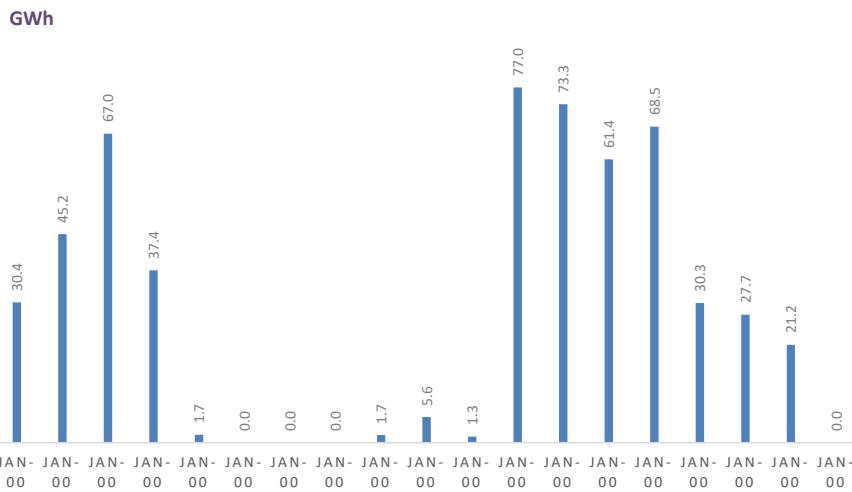
ACE MATARA POWER STATION (24 MW)



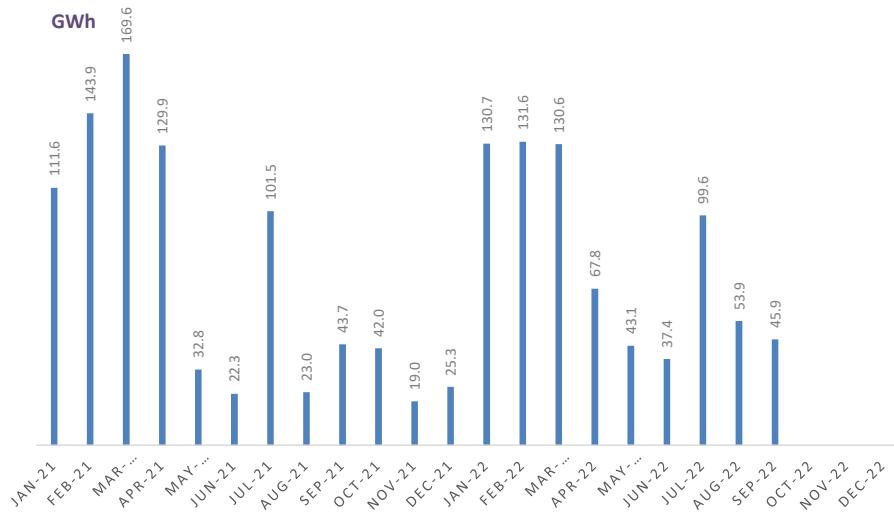
ASIA POWER STATION (51 MW)



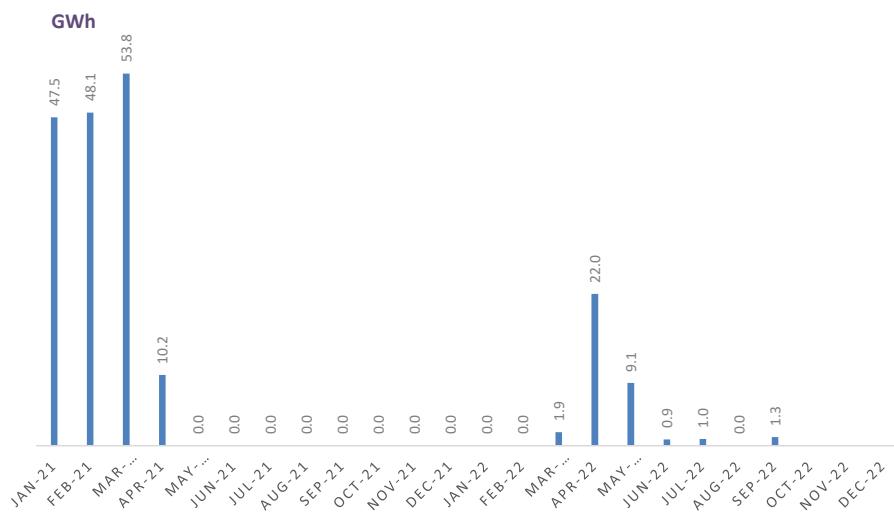
SOJITZ KELANITHISSA POWER STATION (163 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



ACE EMBILIPITIYA POWER STATION (93 MW)



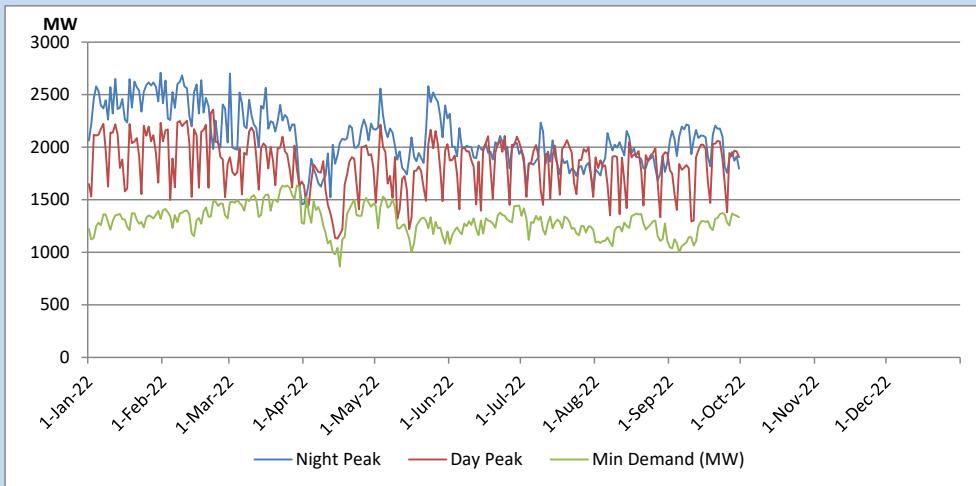
3 Peak Demand

During the month;

Highest Peak Demand	2,217 MW on	8-Sep
Lowest Peak Demand	1,756 MW on	25-Sep
Highest Day Peak Demand	2,060 MW on	21-Sep
Minimum Demand	1,002 MW on	5-Sep

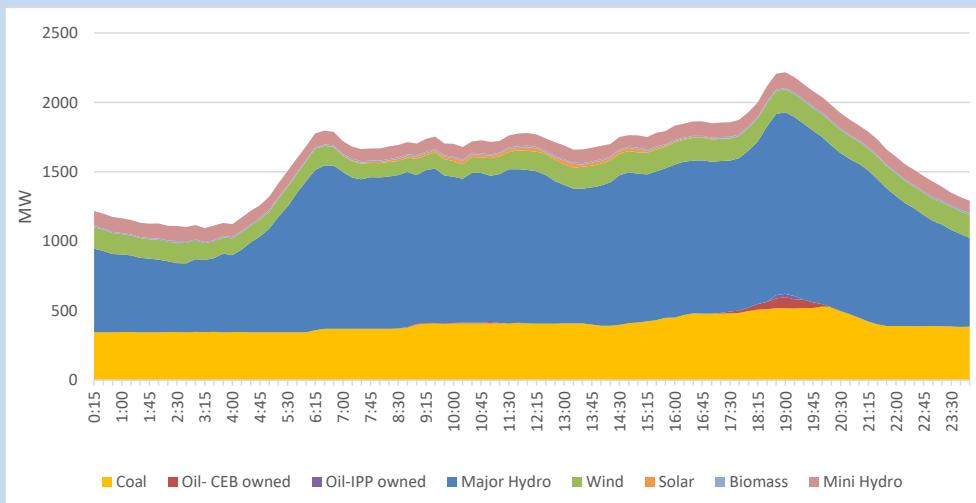
*Demand figures are excluding the contribution from minihydro and biomass plants

3.1 Demand Variation During the year

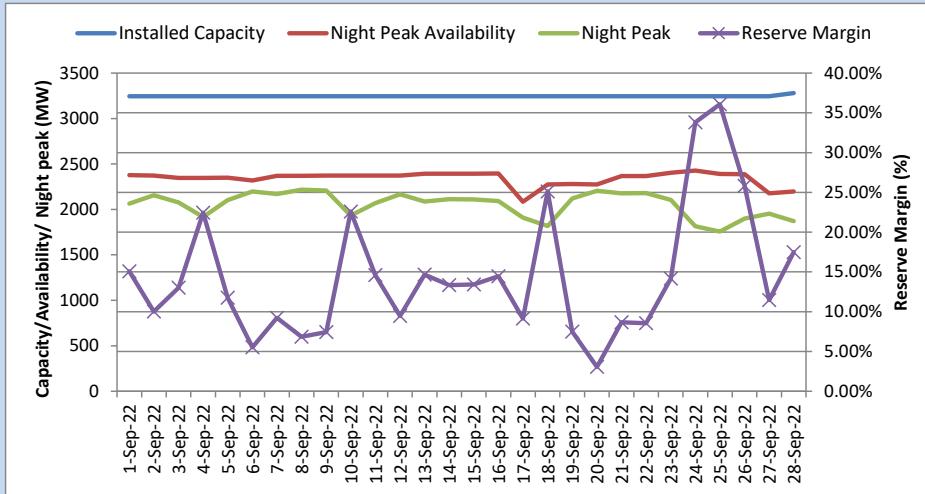


3.2 Load Curve of the Day with Highest Night Peak ,

8-Sep



3.3 Variation of Reserve Margin During Night Peak

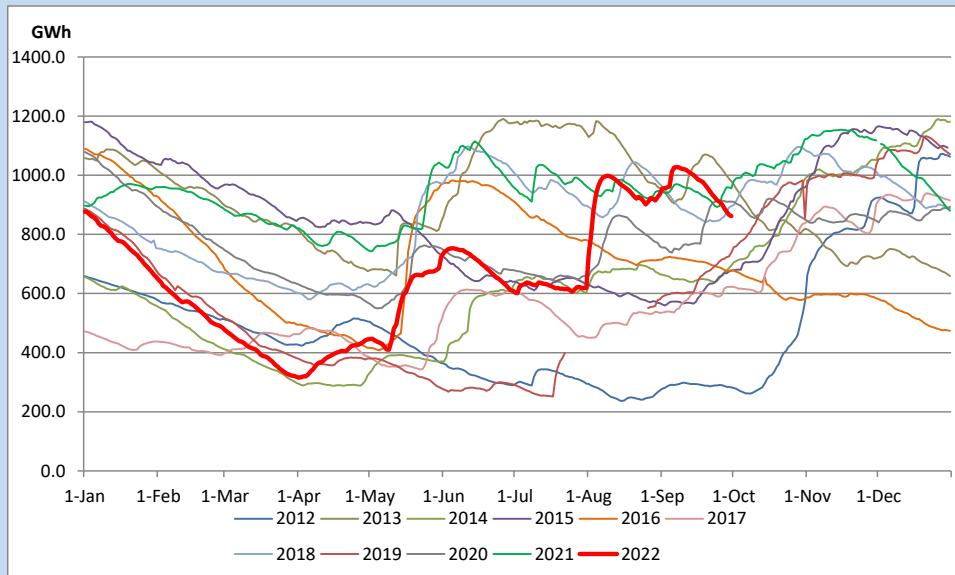


Note: Contribution from NCRE plants is not included

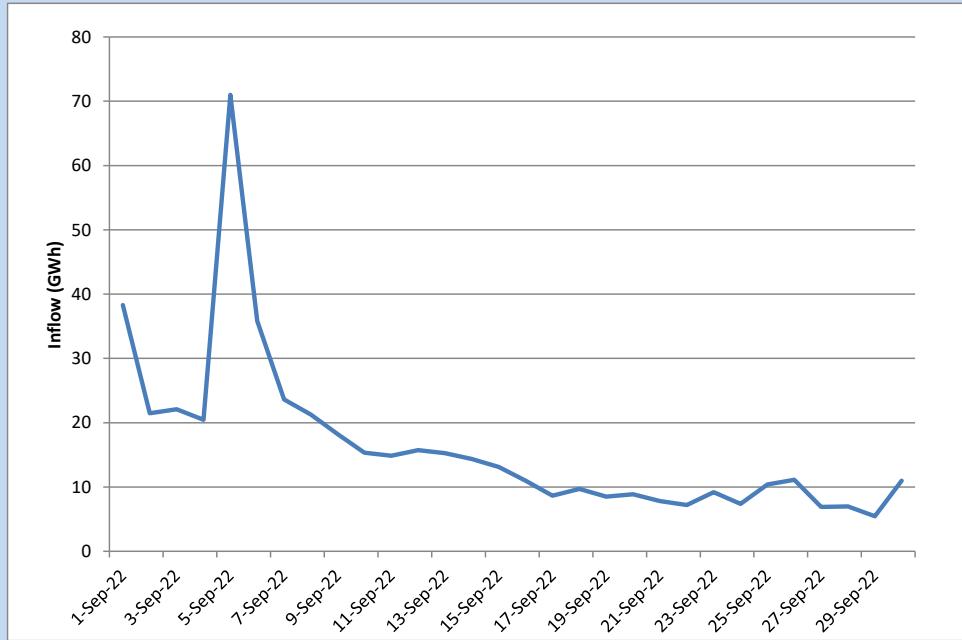
4 Reservoir Statistics

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

