

Monthly Generation Report

August-22

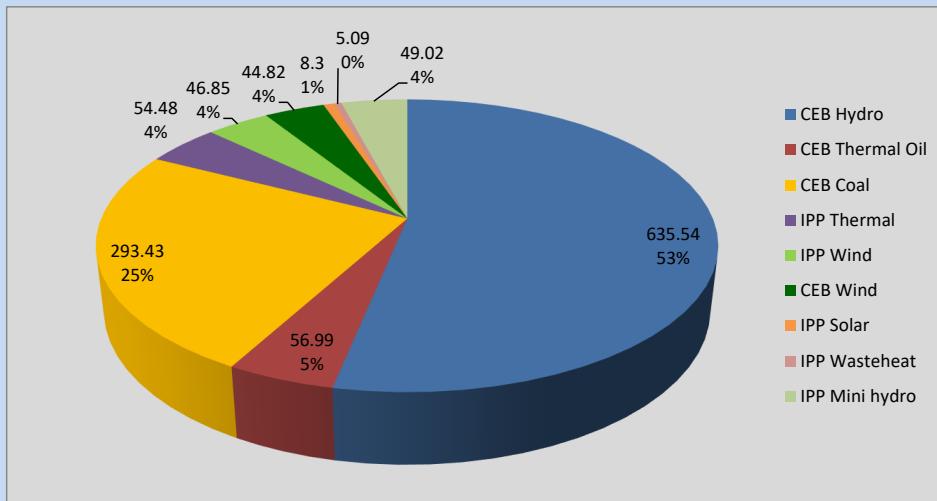


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

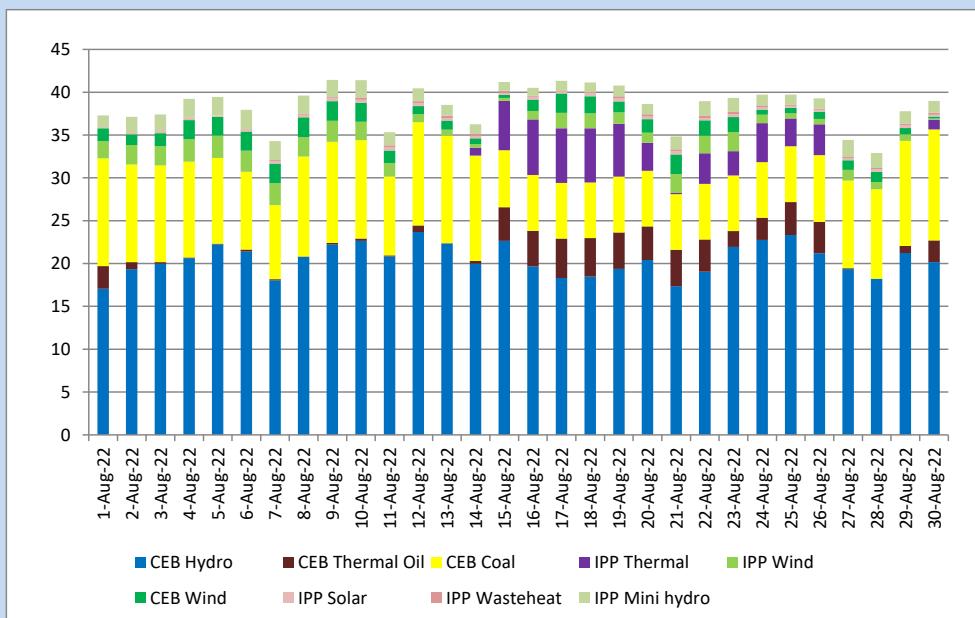
1.1 Monthly Generation Mix in GWh

August-22



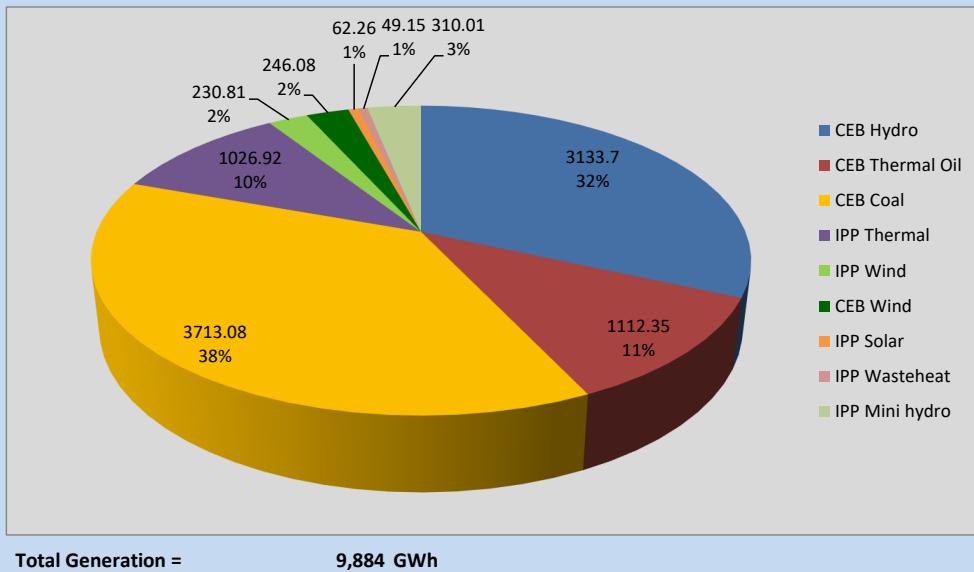
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

1.2 Variation of Daily Generation Mix during the month



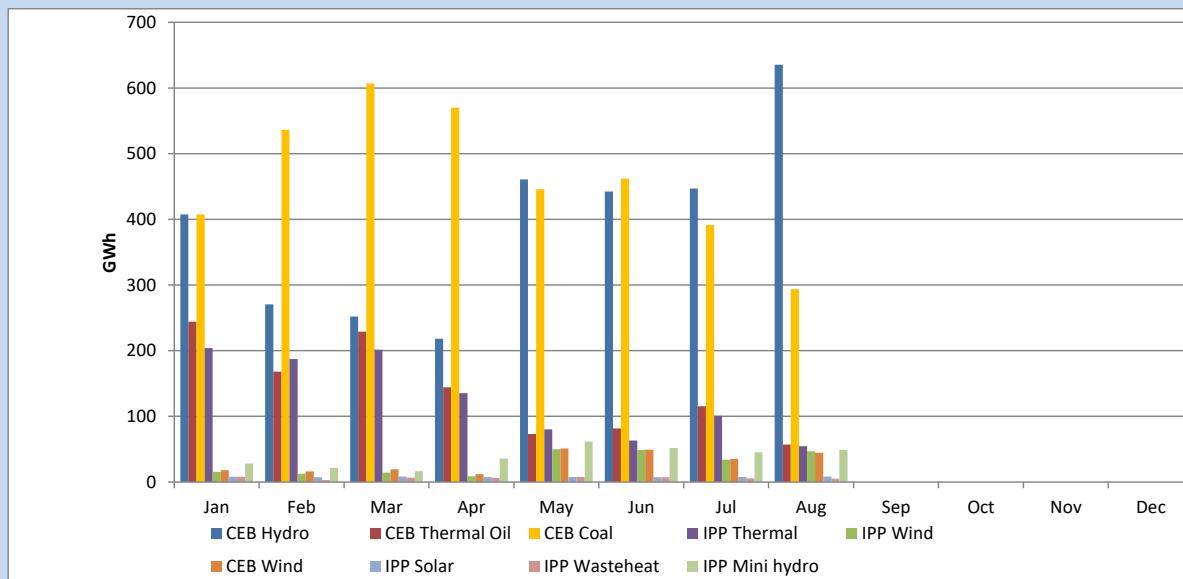
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

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

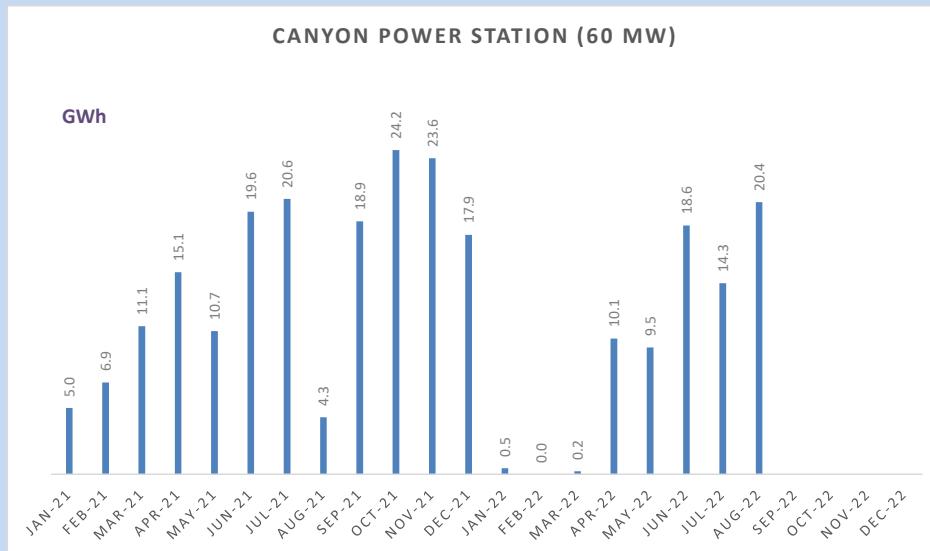
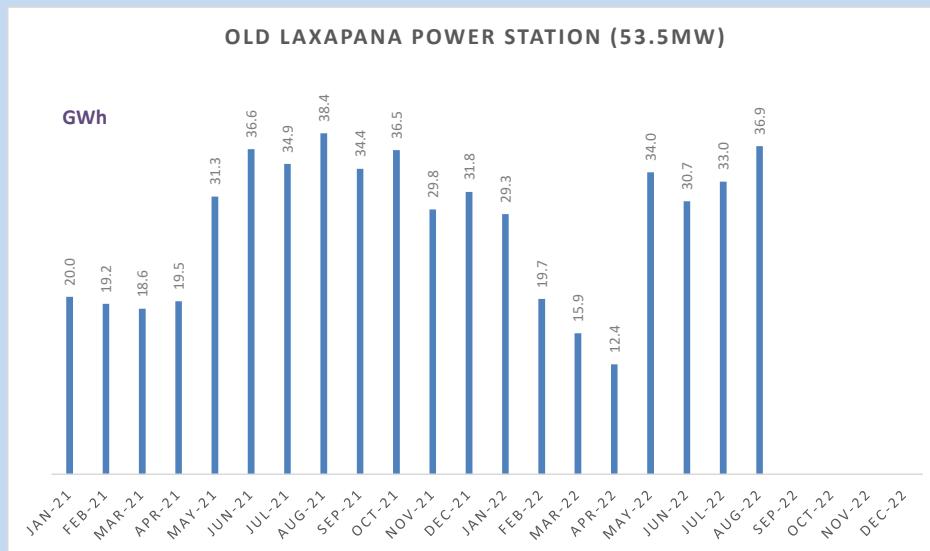
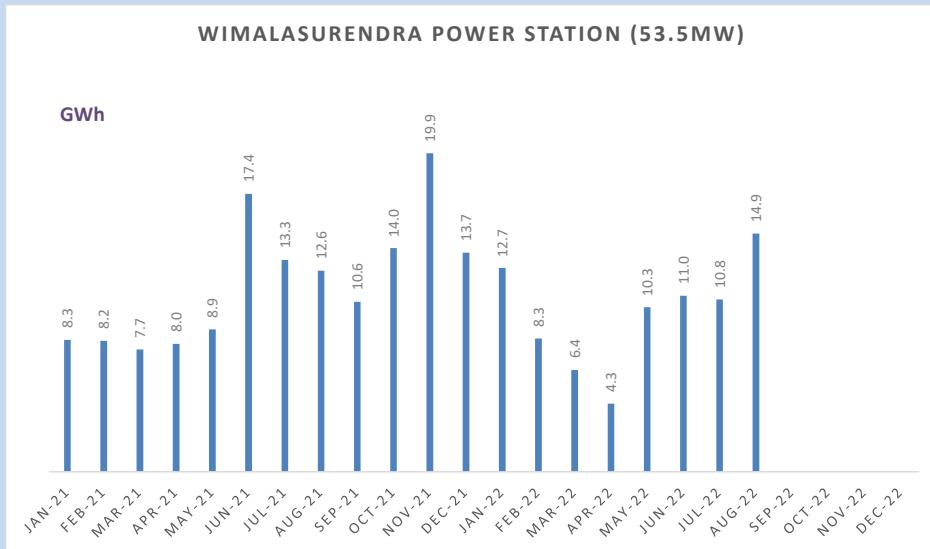
August-22

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	14,901	40.1%
Old Laxapana	54	36,929	91.9%
Canyon	60	20,362	45.6%
New Laxapana	100	68,614	92.2%
Polpitiya	90	58,988	88.1%
Broadlands	35	2,999	11.5%
Kotmale	201	103,080	68.9%
Victoria	225	109,958	65.7%
Randenigala	114	30,089	35.5%
Rantambe	50	14,657	39.4%
Ukuwela	37	14,218	51.6%
Bowatenna	40	5,430	18.2%
Upper Kotmale	150	75,975	68.1%
Nilambe	3	1,667	74.7%
Samanalawewa	120	29,644	33.2%
Kukule	75	34,633	62.1%
Inginiyagala	11	298	3.6%
Udawalawe	6	1,435	32.1%
Puttalam Coal I	270	108,375	54.0%
Puttalam Coal II	270	0	0.0%
Puttalam Coal III	270	185,037	92.1%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	161	0	0.0%
Sapugaskanda A	70	9,034	17.3%
Sapugaskanda B	70	22,521	43.2%
Uthura Janani	26	6,437	33.3%
Barge CEB	60	18,752	42.0%
CEB - Thulhiriya	10	26	0.3%
CEB - Kolonnawa	20	93	0.6%
CEB - Mathugama	20	73	0.5%
ACE Matara	24	625	3.5%
Asia Power	51	0	0.0%
Sojitz Kelanitissa	163	0	0.0%
West Coast	270	53,862	26.8%
ACE Embilipitiya	93	0	0.0%

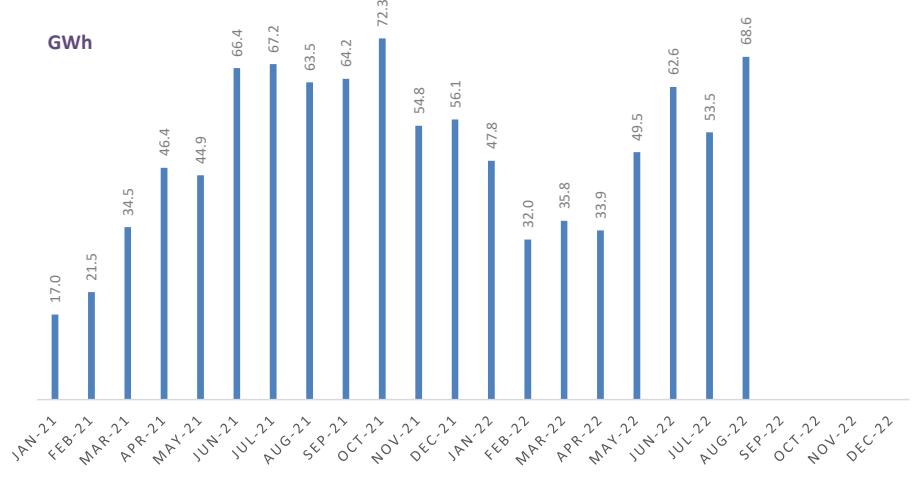
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

Power Station	Availability (GWh)	Generation (GWh)	Running PF (%)
Wimalasurendra	37.2	14.9	40.1%
Old Laxapana	39.3	36.9	94.0%
Canyon	44.6	20.4	45.6%
New Laxapana	74.4	68.6	92.2%
Polpitiya	67.0	59.0	88.1%
Broadlands	5.0	3.0	59.5%
Kotmale	149.5	103.1	68.9%
Victoria	168.0	110.0	65.4%
Randenigala	69.8	30.1	43.1%
Rantambe	37.2	14.7	39.4%
Ukuwela	26.8	14.2	53.1%
Bowatenna	14.4	5.4	37.7%
Upper Kotmale	111.6	76.0	68.1%
Nilambe	1.5	1.7	112.0%
Samanalawewa	89.3	29.6	33.2%
Kukule	55.8	34.6	62.1%
Inginiyagala	5.2	0.3	5.8%
Udawalawe	2.3	1.4	62.9%
Puttalam Coal I	136.1	108.4	79.6%
Puttalam Coal II	0.0	0.0	0.0%
Puttalam Coal III	200.9	185.0	92.1%
KPS Small GTs	0.4	0.0	0.0%
KPS GT 7	0.0	0.0	0.0%
KCCP	0.0	0.0	0.0%
Sapugaskanda A	34.8	9.0	26.0%
Sapugaskanda B	46.9	22.5	48.0%
Uthura Janani	17.5	6.4	36.8%
Barge CEB	44.3	18.8	42.3%
CEB - Thulhiriya	2.4	0.0	1.1%
CEB - Kolonnawa	9.9	0.1	0.9%
CEB - Mathugama	7.7	0.1	0.9%
ACE Matara	17.9	0.6	3.5%
Sojitz Kelanitissa	0.0	0.0	0.0%
West Coast	200.9	53.9	26.8%
ACE Embilipitiya	0.0	0.0	0.0%

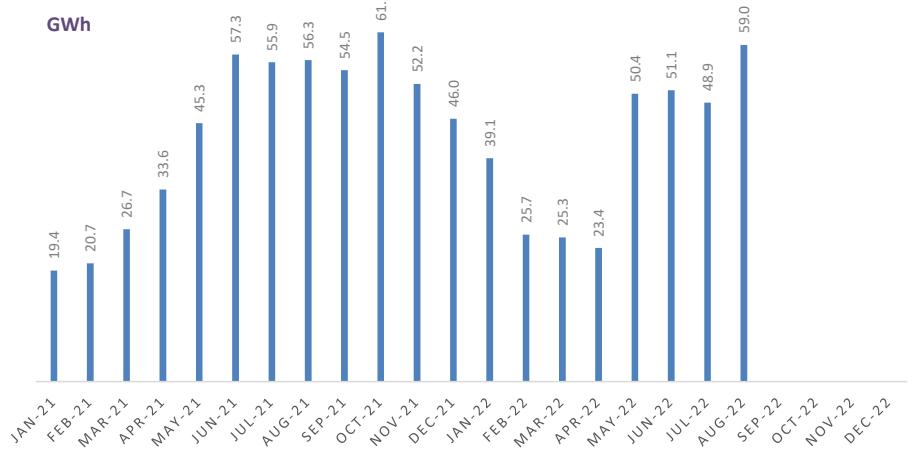
2.3 Generation of Major Power Plants From Last Year



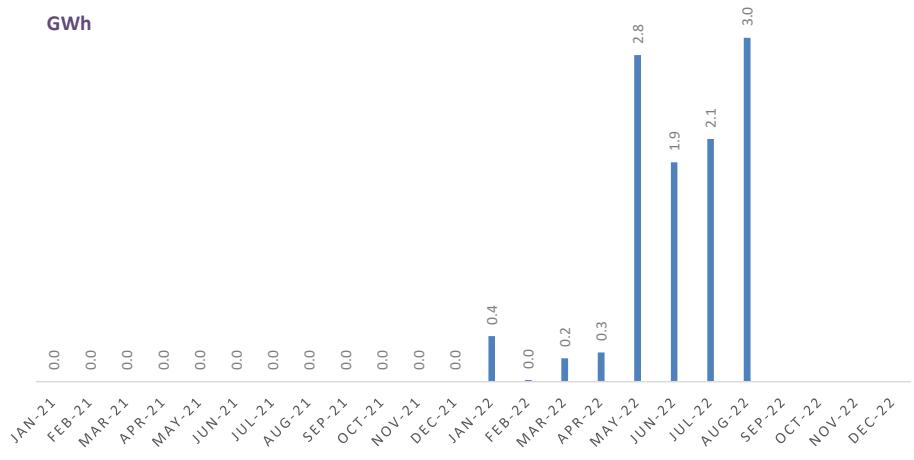
NEW LAXAPANA POWER STATION (115 MW)



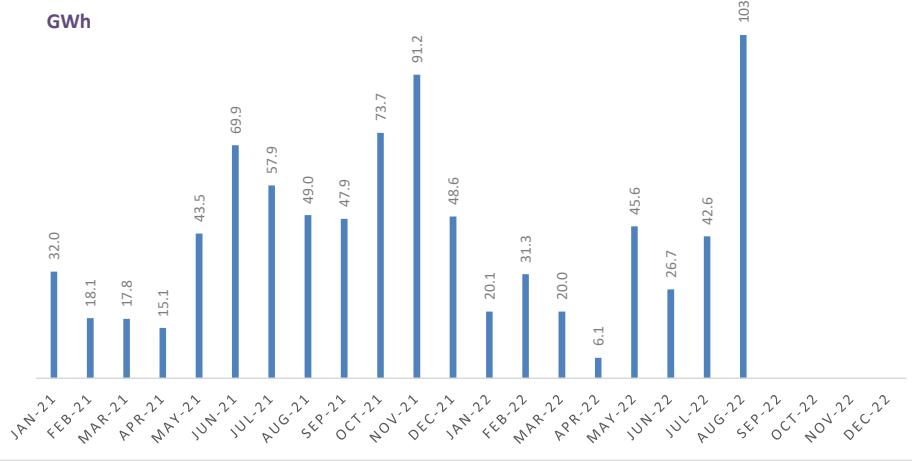
POLPITIYA POWER STATION (90 MW)



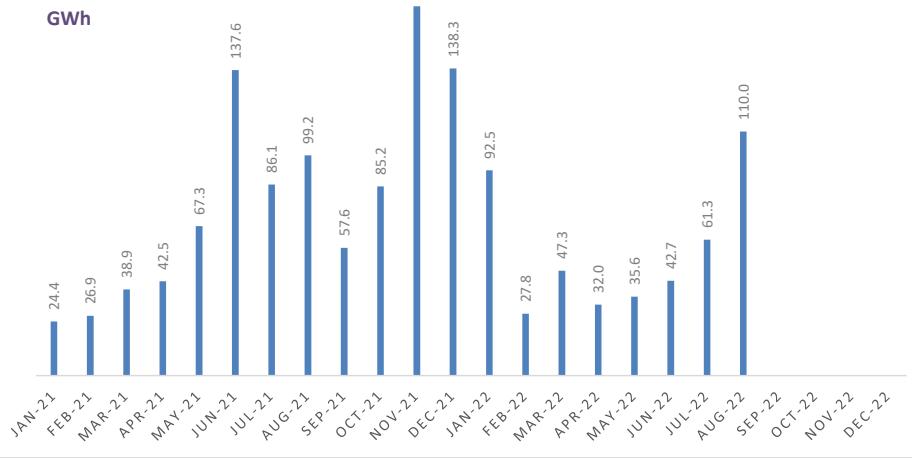
BROADLANDS POWER STATION (35 MW)



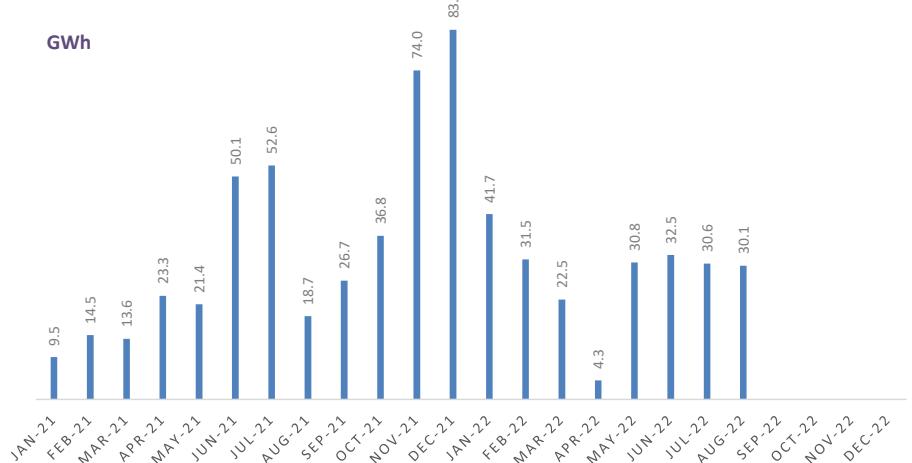
KOTMALE POWER STATION (201 MW)



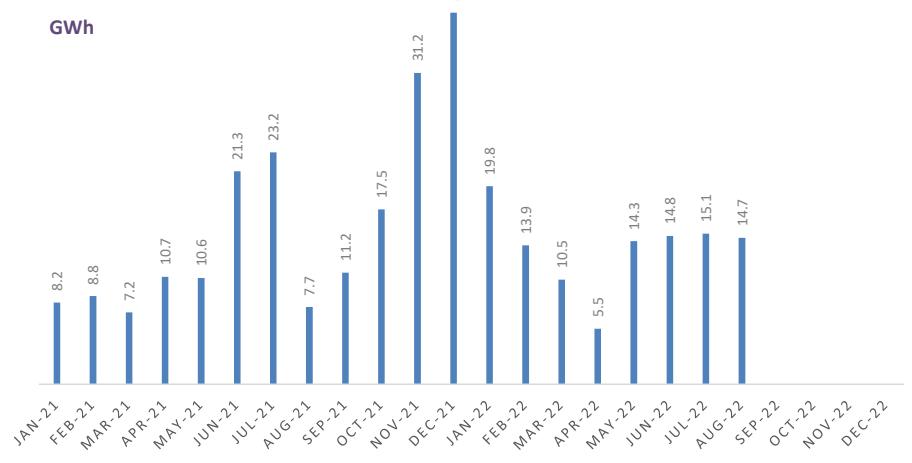
VICTORIA POWER STATION (225 MW)



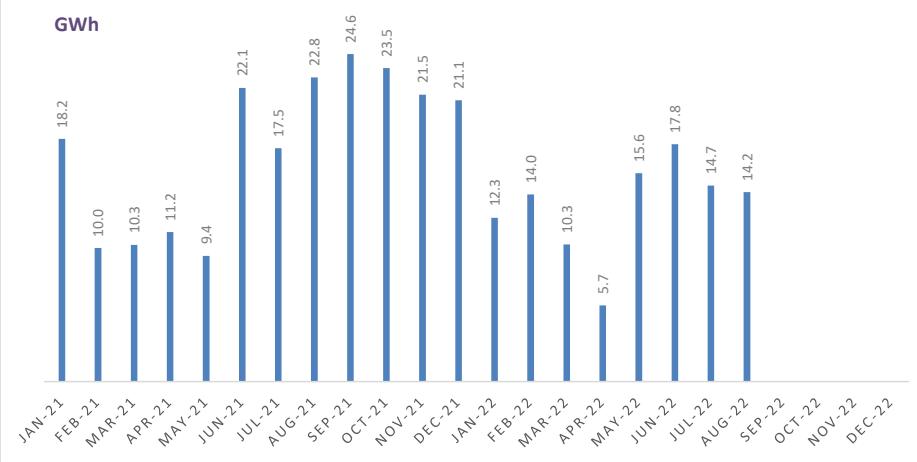
RANDENIGALA POWER STATION (114 MW)



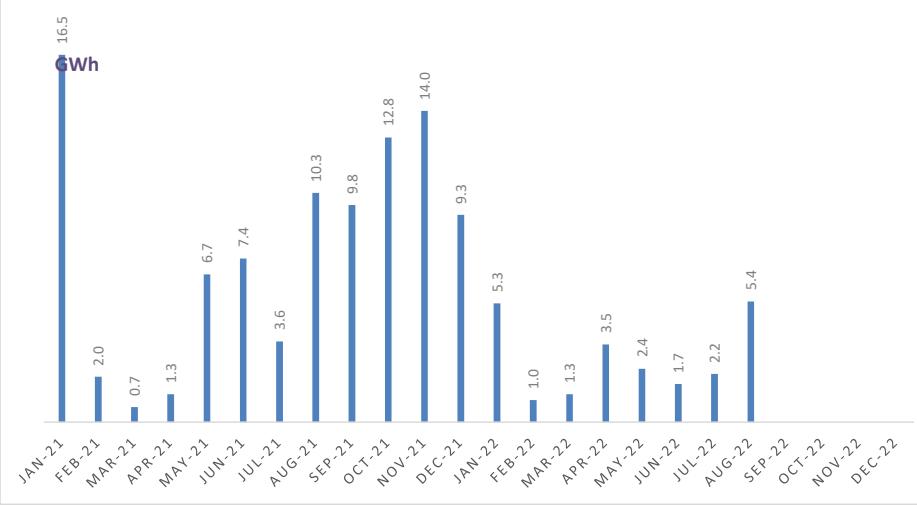
RANTAMBE POWER STATION (50 MW)



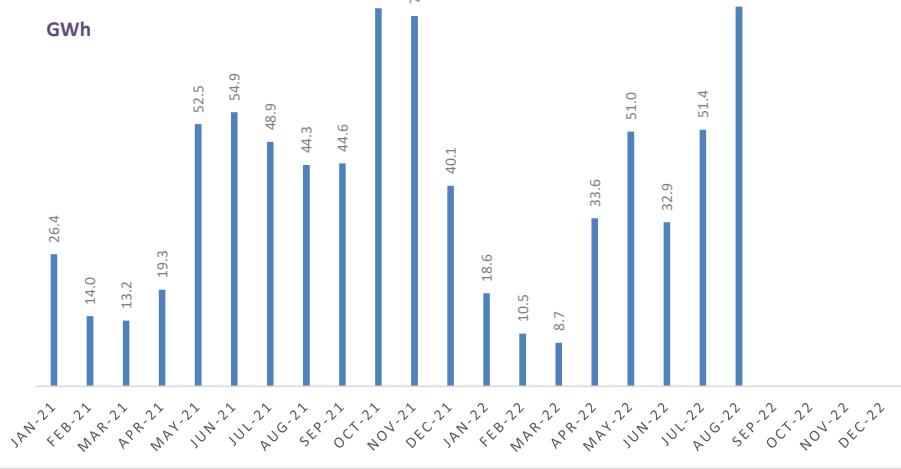
UKUWELA POWER STATION (37 MW)



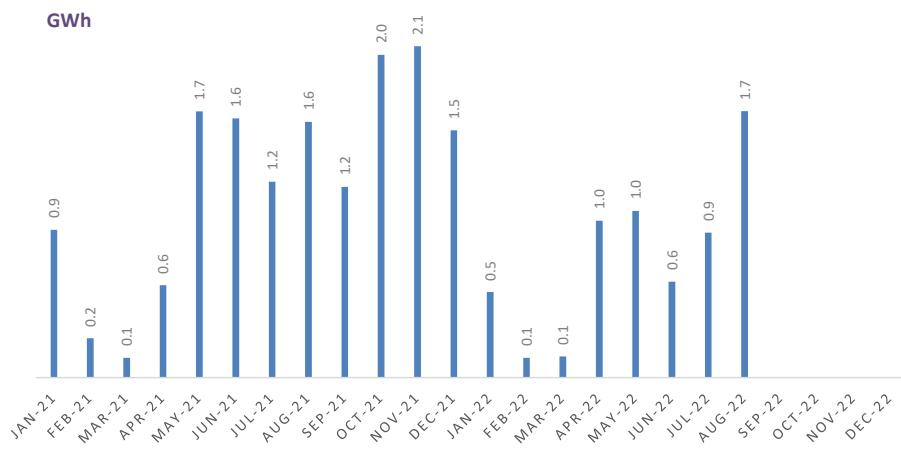
BOWATHENNA POWER STATION (40 MW)



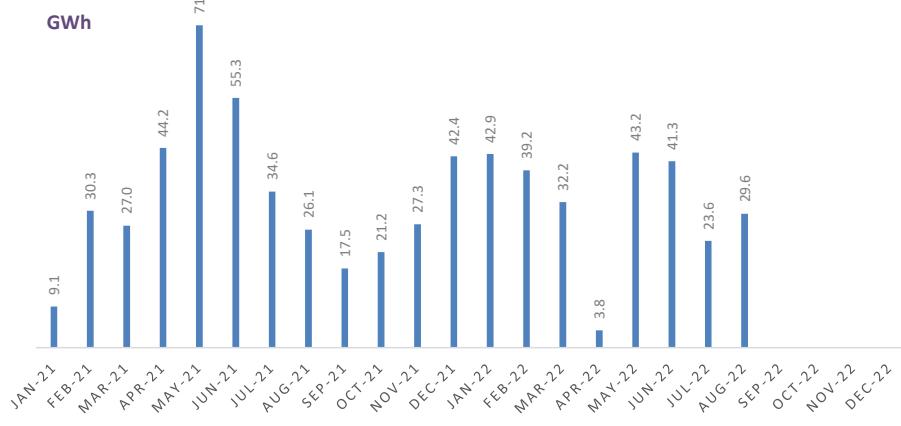
UPPER KOTMATEL POWER STATION (150 MW)



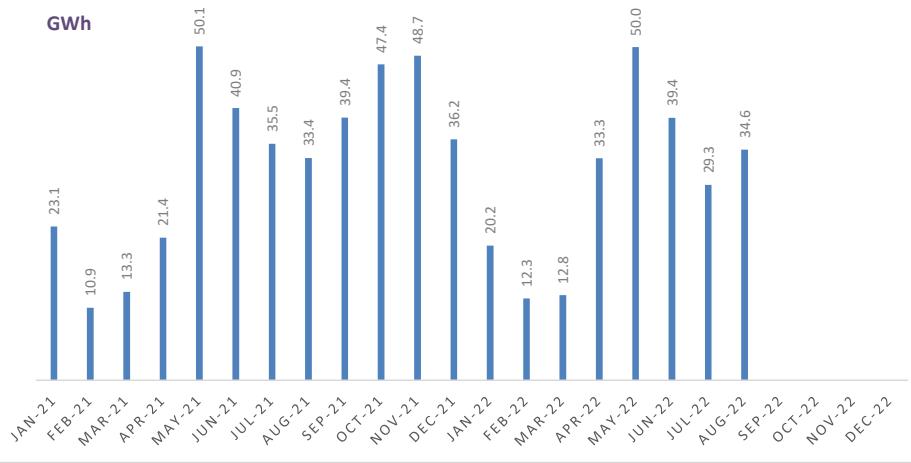
NILLAMBE POWER STATION (3 MW)



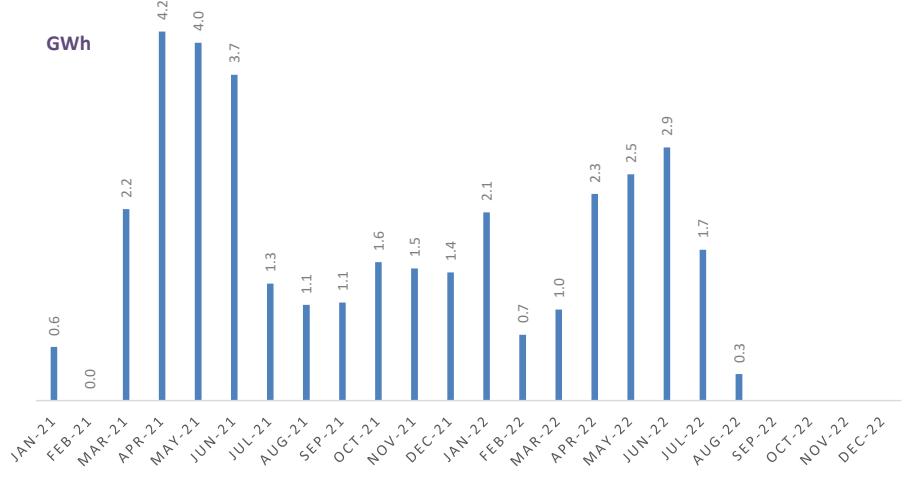
SAMANALAWEWA POWER STATION (120 MW)



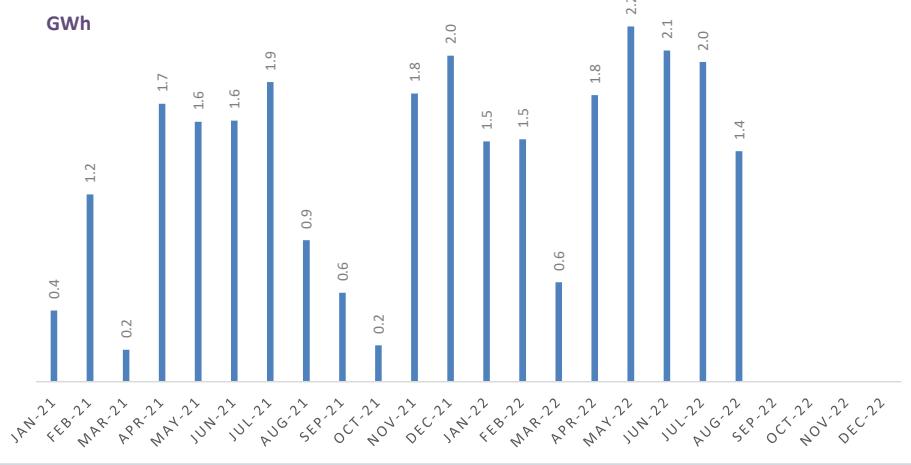
KUKULE POWER STATION (75 MW)



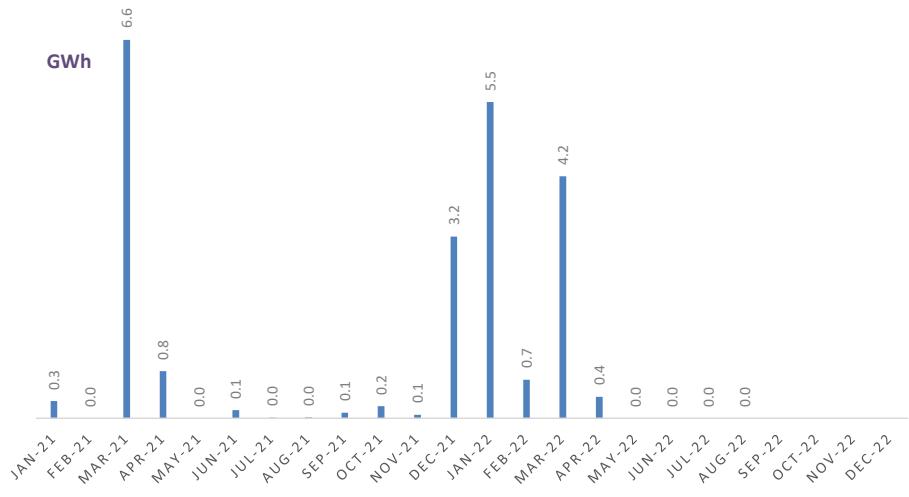
INGINIYAGALA POWER STATION (11 MW)



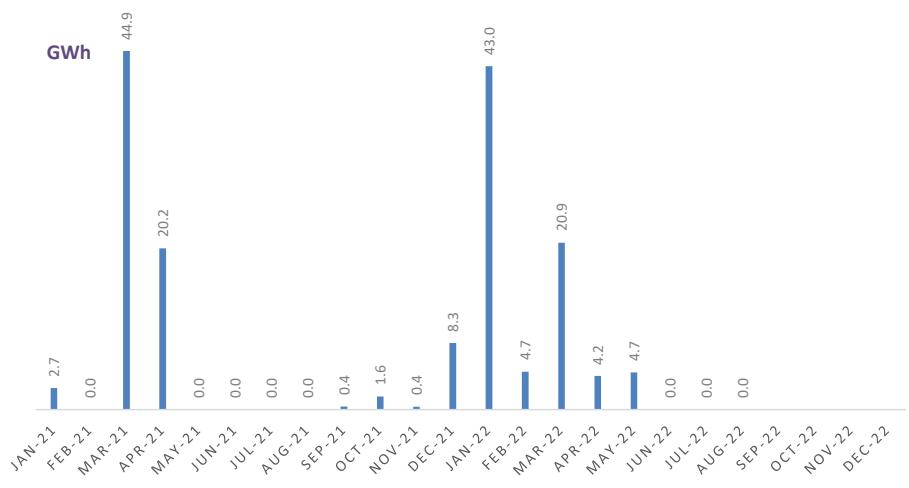
UDAWALAWE POWER STATION (6 MW)



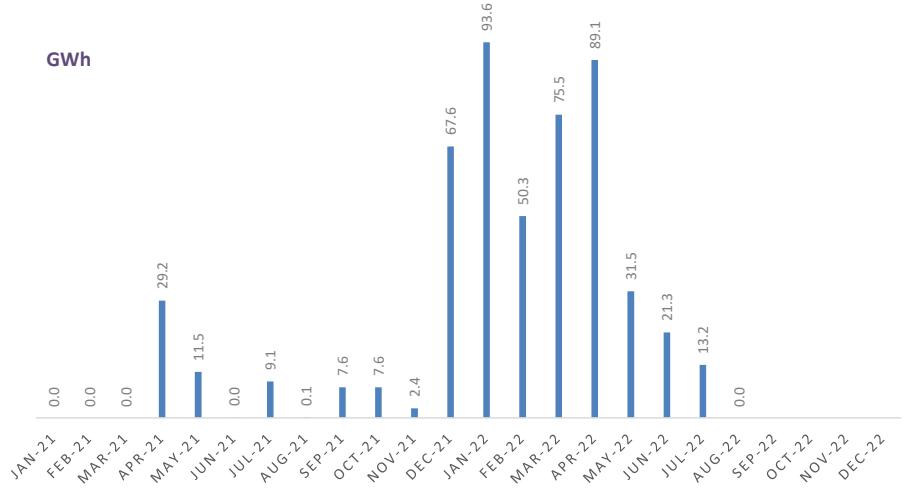
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



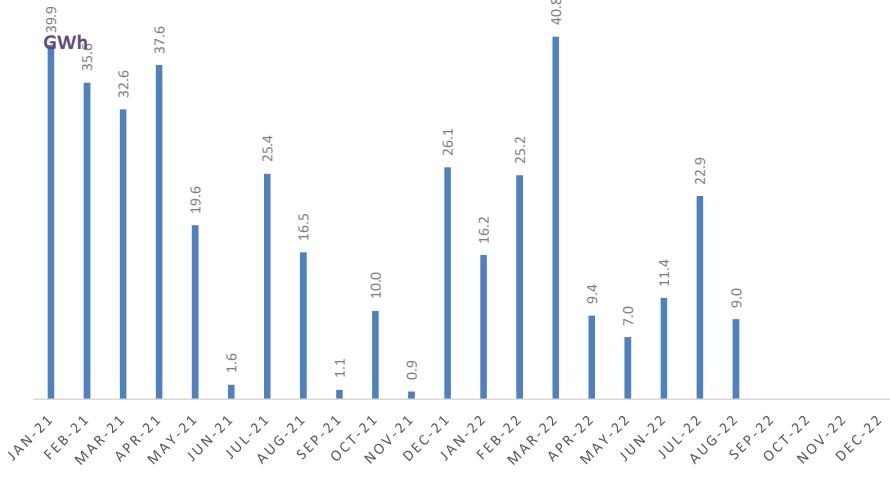
KELANITISSA GT 7 (115 MW)



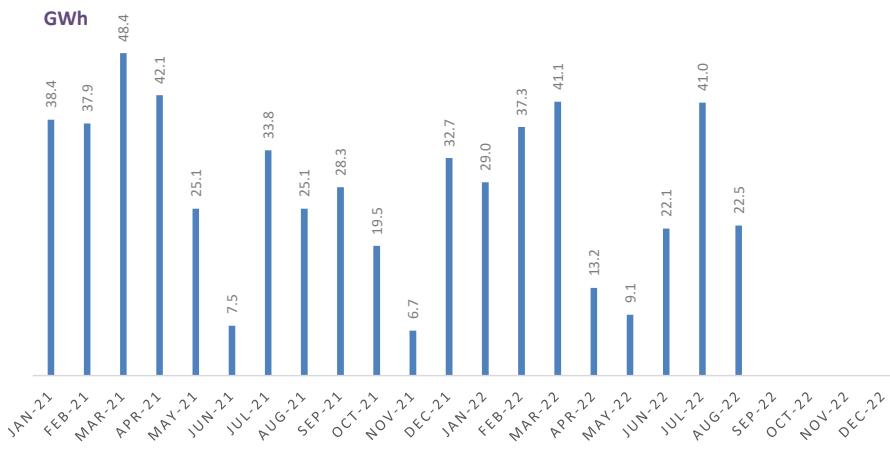
KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



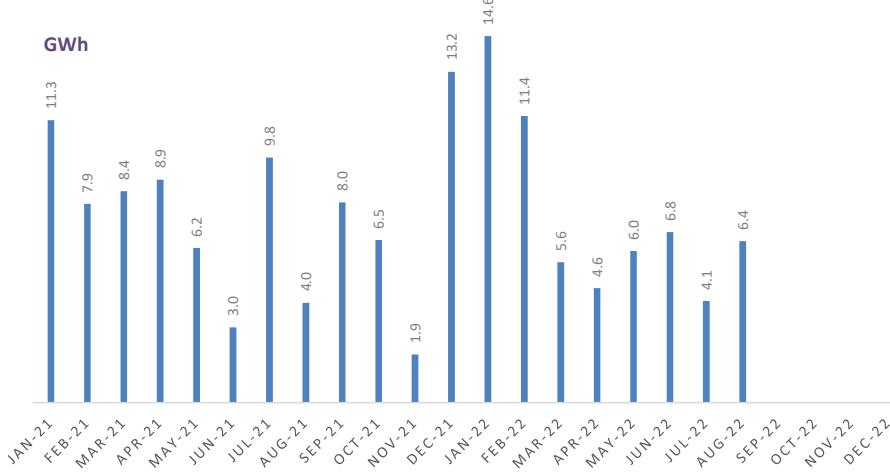
SAPUGASKANDA - A POWER STATION (80 MW)



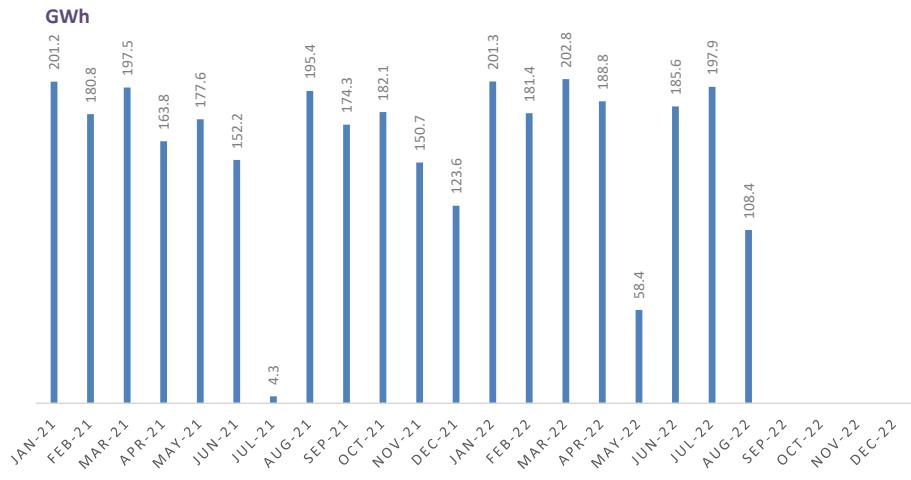
SAPUGASKANDA - B POWER STATION (80 MW)



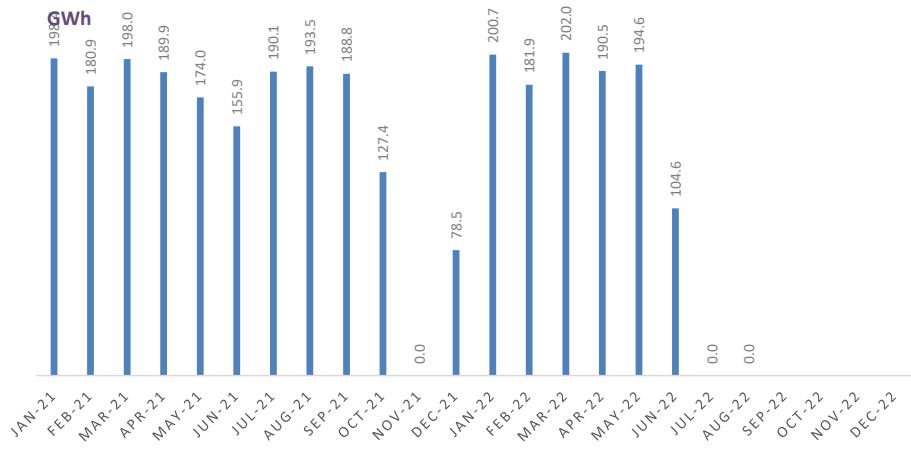
UTHURU JANANEEL POWER STATION (26 MW)



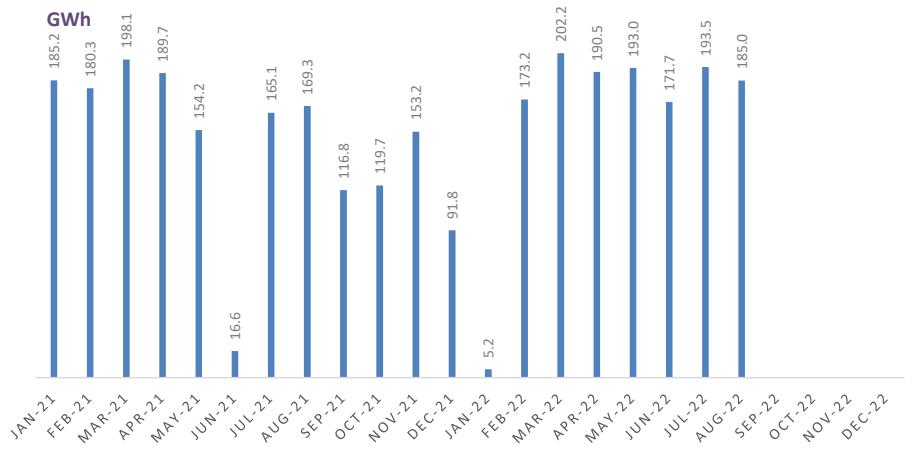
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



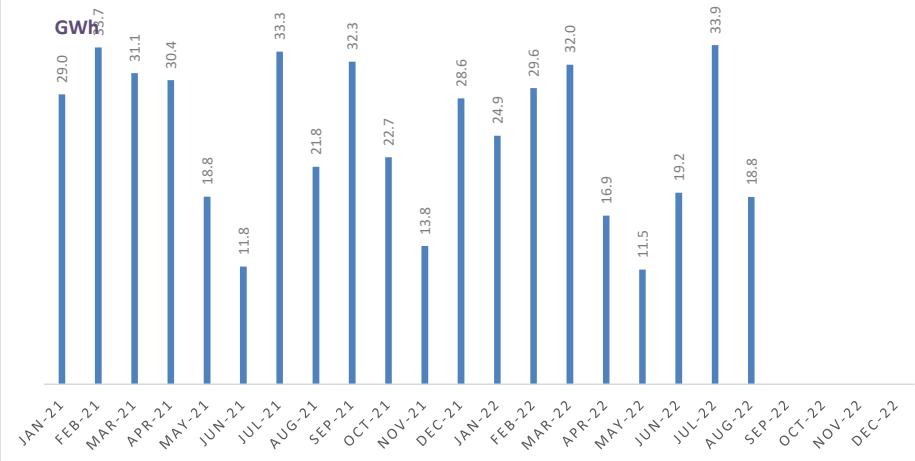
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



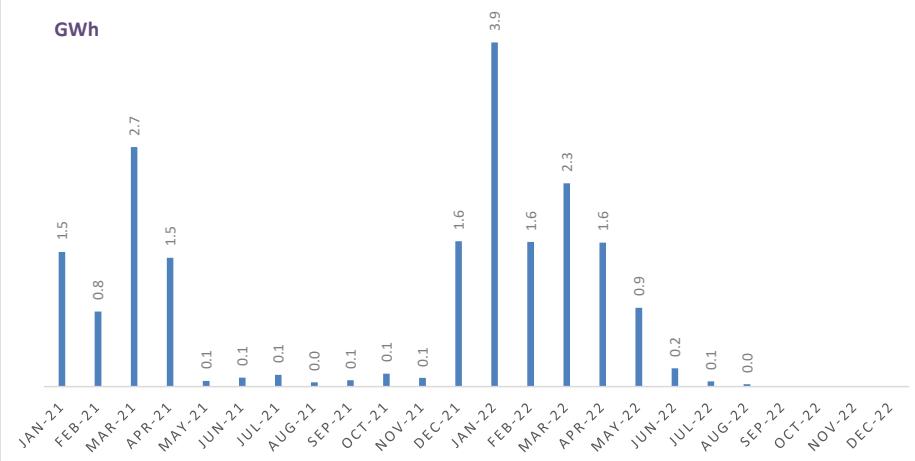
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



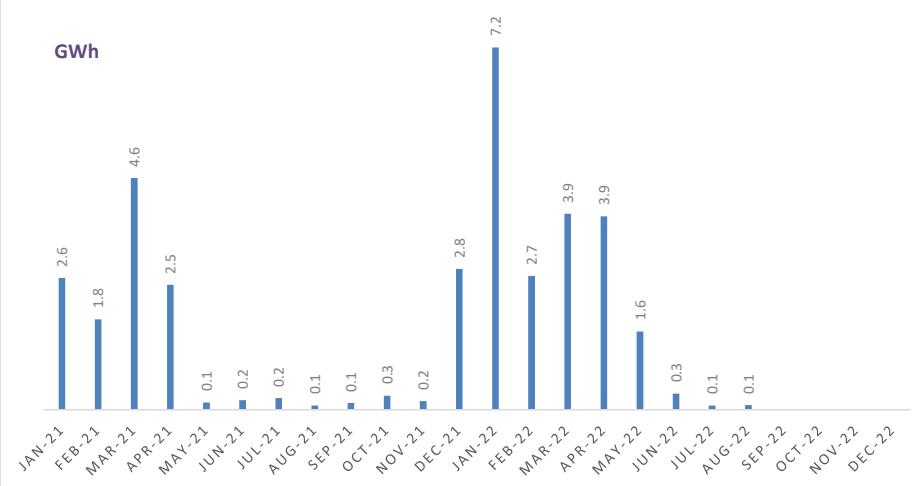
BARGE POWER STATION - CEB (60 MW)



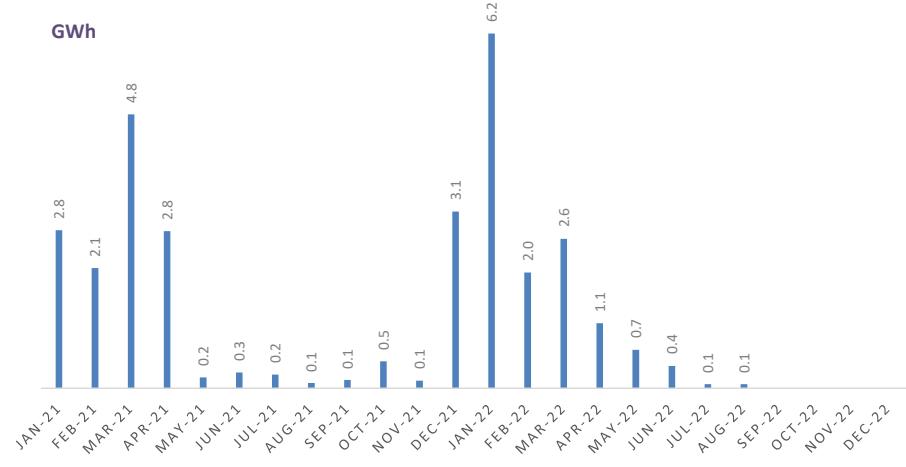
THULHIRIYA - CEB (10 MW)



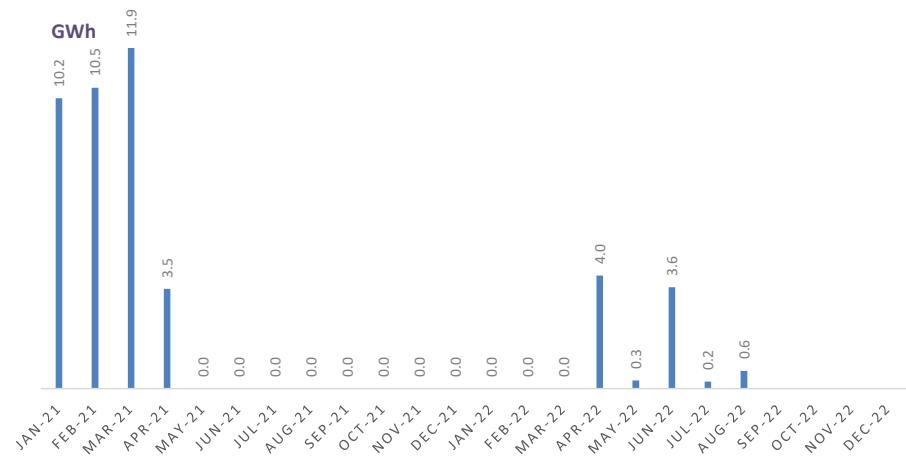
KOLONNAWA - CEB (20 MW)



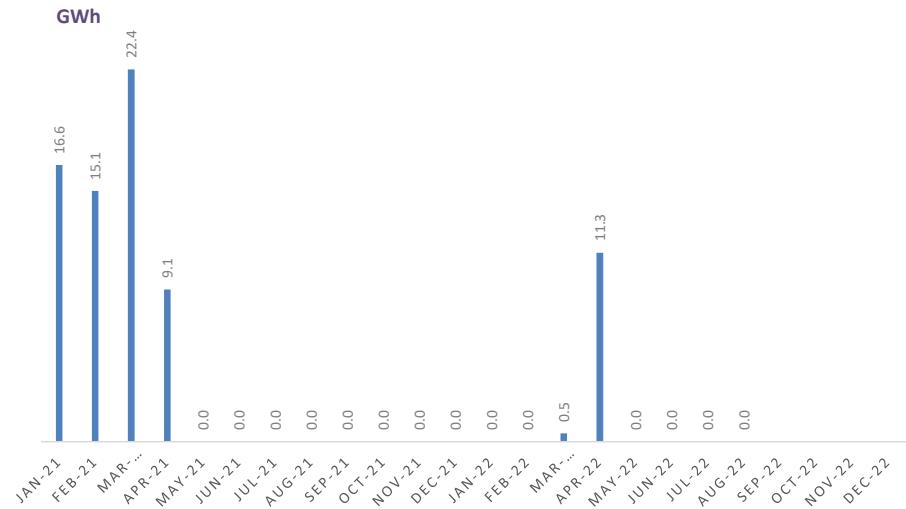
MATHUGAMA - CEB (20 MW)



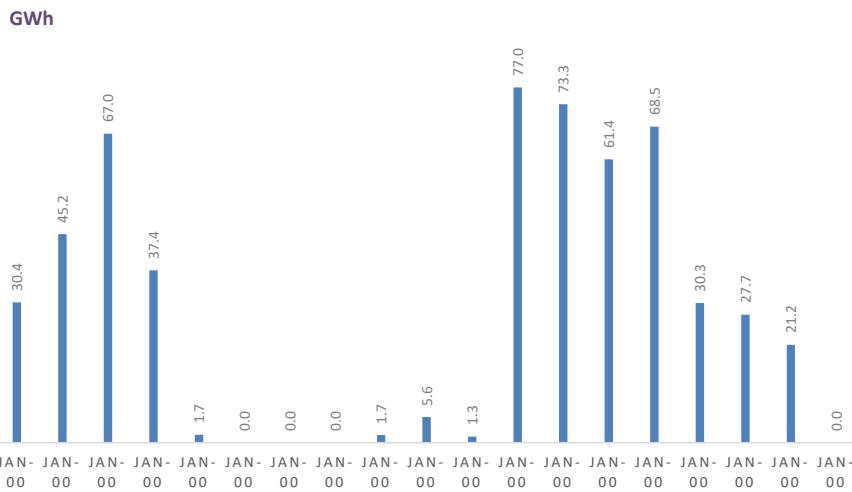
ACE MATARA POWER STATION (24 MW)



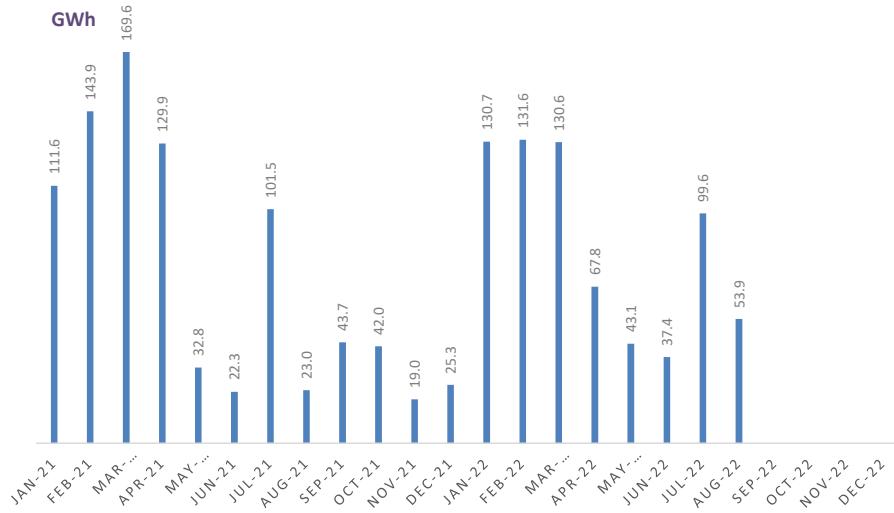
ASIA POWER STATION (51 MW)



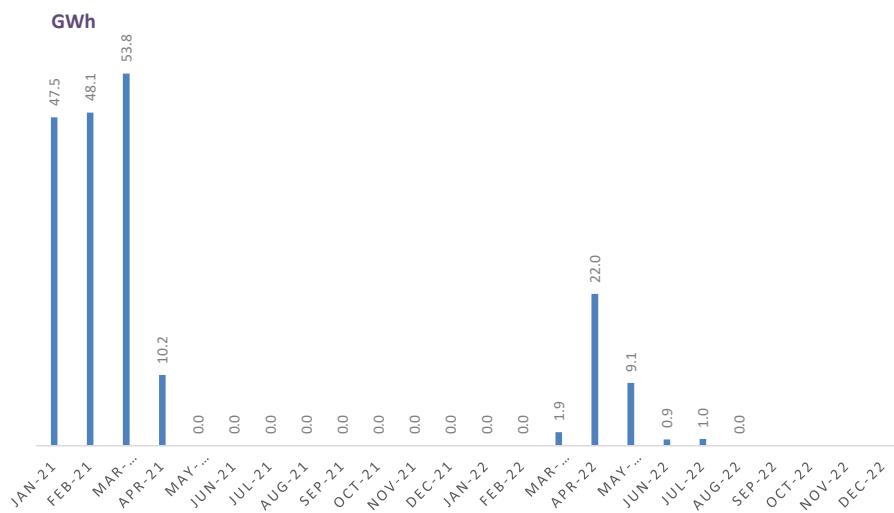
SOJITZ KELANITHISSA POWER STATION (163 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



ACE EMBILIPITIYA POWER STATION (93 MW)



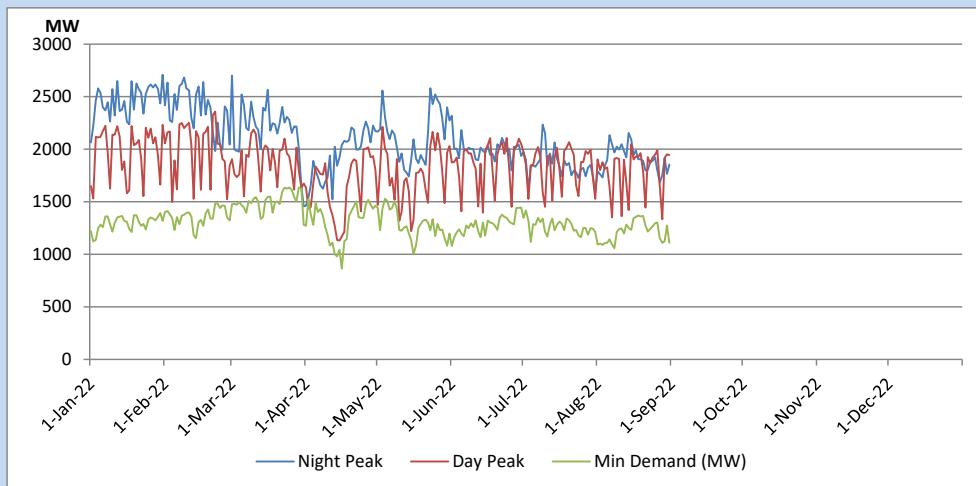
3 Peak Demand

During the month;

Highest Peak Demand	2,153 MW on	14-Aug
Lowest Peak Demand	1,685 MW on	27-Aug
Highest Day Peak Demand	2,051 MW on	15-Aug
Minimum Demand	1,059 MW on	8-Aug

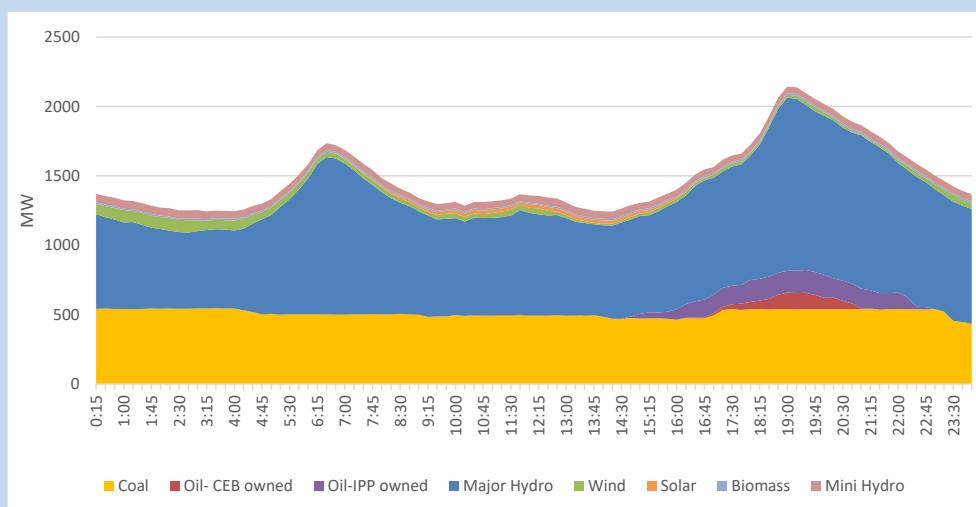
*Demand figures are excluding the contribution from minihydro and biomass plants

3.1 Demand Variation During the year

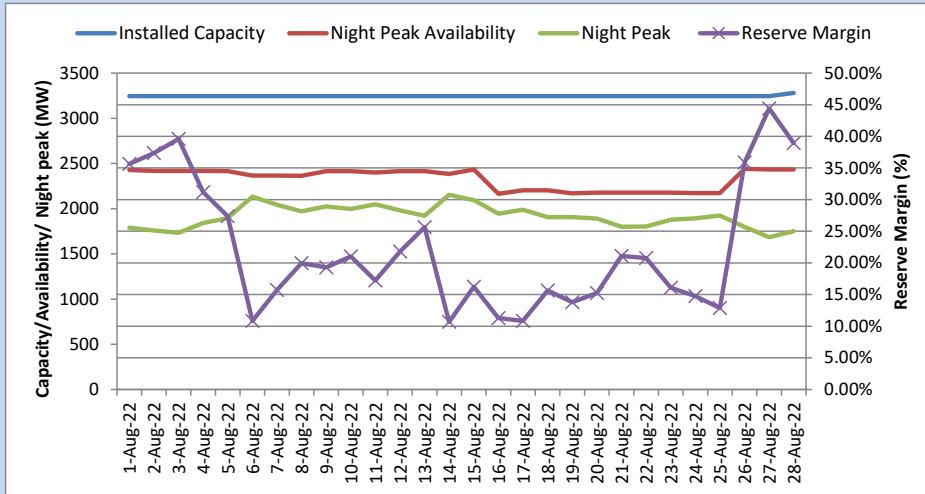


3.2 Load Curve of the Day with Highest Night Peak ,

14-Aug



3.3 Variation of Reserve Margin During Night Peak

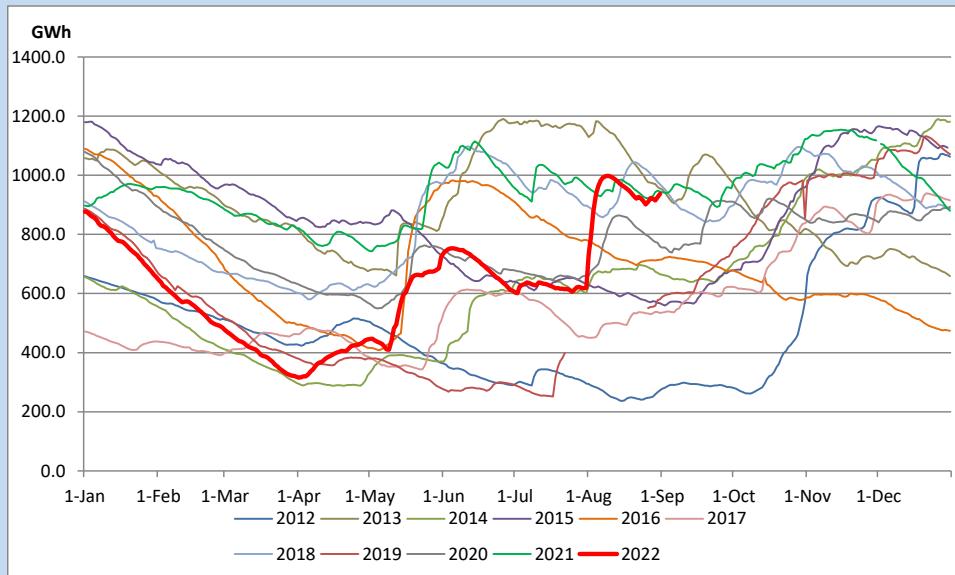


Note: Contribution from NCRE plants is not included

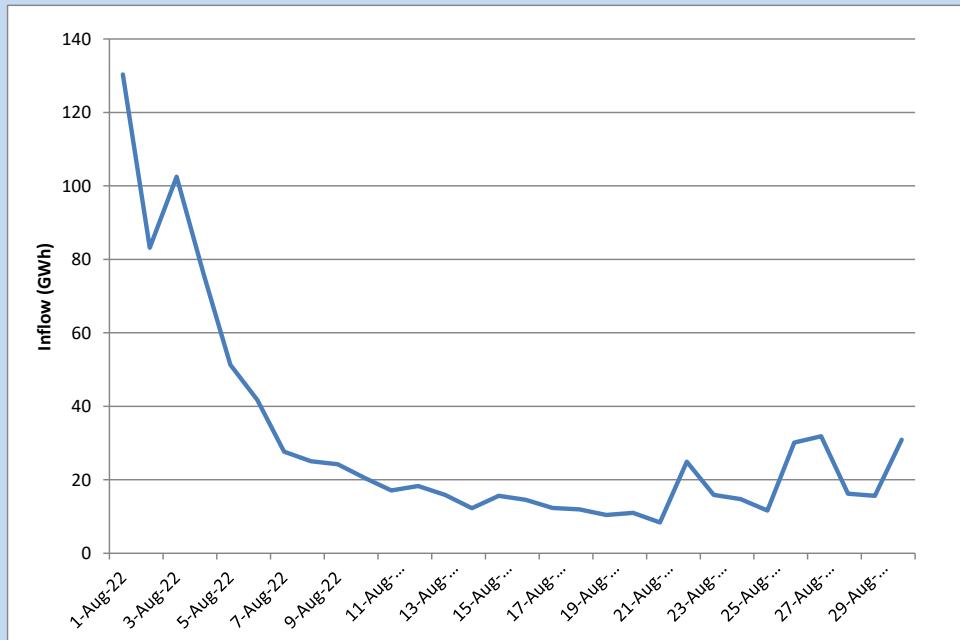
4 Reservoir Statistics

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

