

Monthly Generation Report

July-22

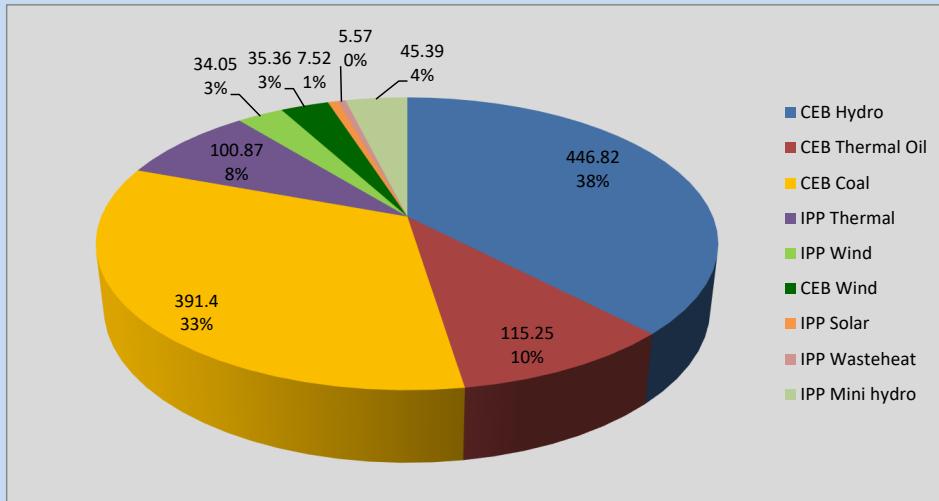


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

July-22

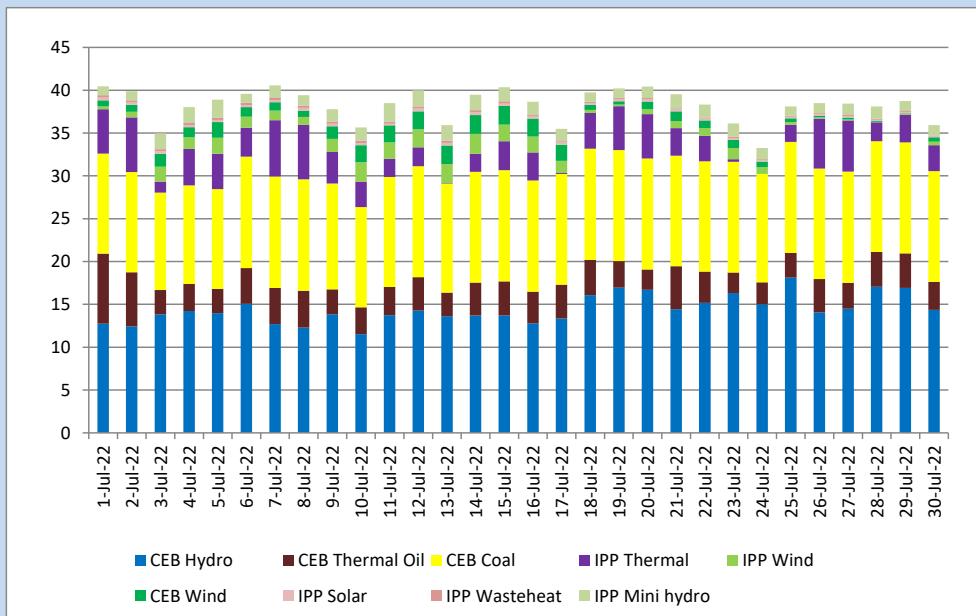


Total Generation =

1,182 GWh

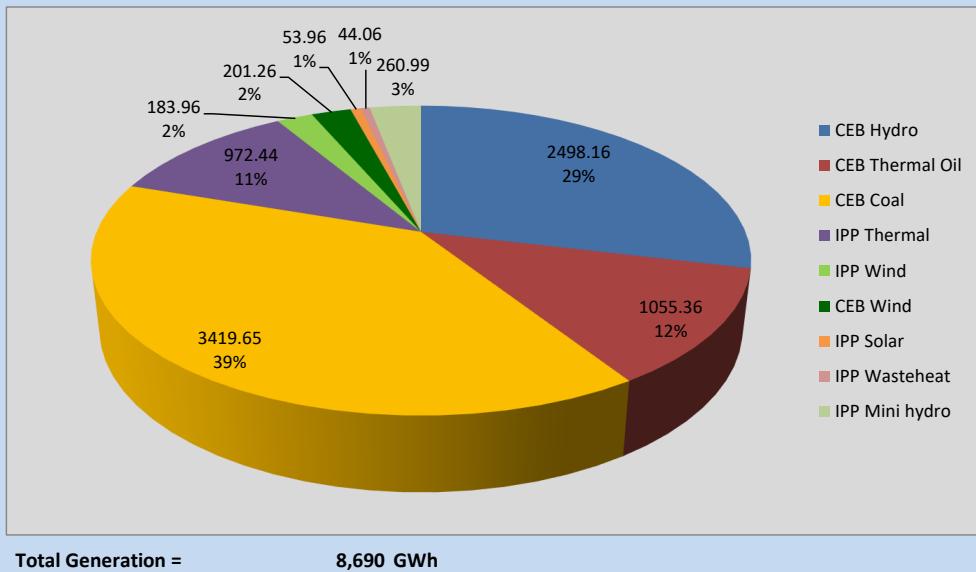
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

1.2 Variation of Daily Generation Mix during the month



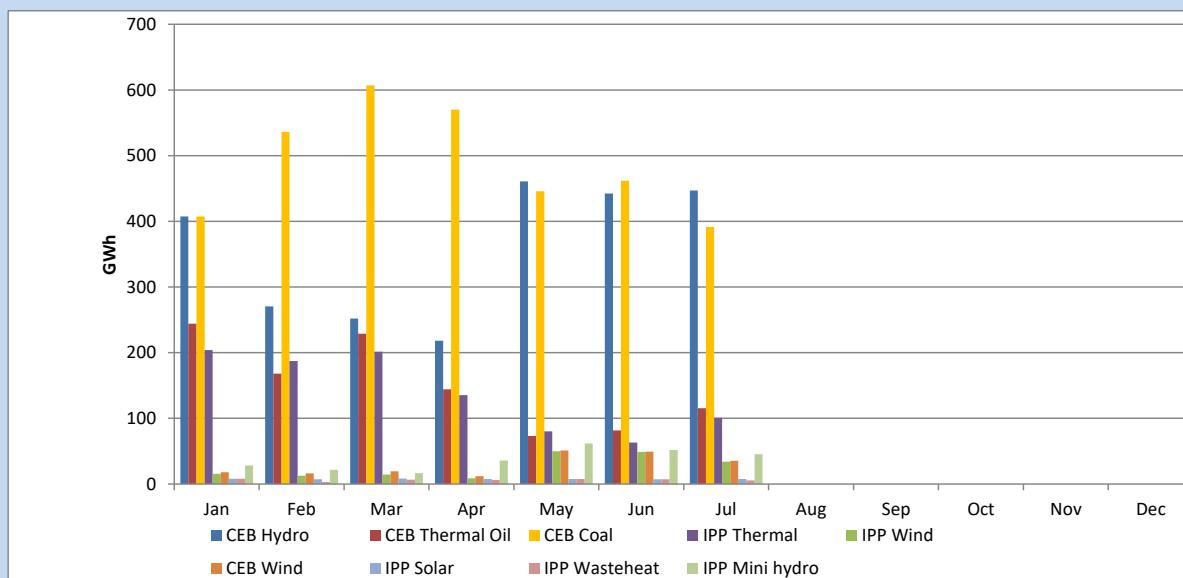
Note: This is excluding the contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

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

July-22

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)
Wimalasurendra	50	10,781	29.0%
Old Laxapana	54	32,951	82.0%
Canyon	60	14,284	32.0%
New Laxapana	100	53,490	71.9%
Polpitiya	90	48,876	73.0%
Broadlands	35	2,116	8.1%
Kotmale	201	42,580	28.5%
Victoria	225	61,274	36.6%
Randenigala	114	30,553	36.0%
Rantambe	50	15,073	40.5%
Ukuwela	37	14,715	53.5%
Bowatenna	40	2,174	7.3%
Upper Kotmale	150	51,371	46.0%
Nilambe	3	907	40.6%
Samanalawewa	120	23,648	26.5%
Kukule	75	29,322	52.5%
Inginiyagala	11	1,698	20.7%
Udawalawe	6	1,992	44.6%
Puttalam Coal I	270	197,900	98.5%
Puttalam Coal II	270	0	0.0%
Puttalam Coal III	270	193,498	96.3%
KPS Small GTs	64	0	0.0%
KPS GT 7	115	0	0.0%
KCCP	161	13,203	11.0%
Sapugaskanda A	70	22,890	44.0%
Sapugaskanda B	70	40,977	78.7%
Uthura Janani	26	4,054	21.0%
Barge CEB	60	33,936	76.0%
CEB - Thulhiriya	10	59	0.8%
CEB - Kolonnawa	20	85	0.6%
CEB - Mathugama	20	71	0.5%
ACE Matara	24	244	1.4%
Asia Power	51	0	0.0%
Sojitz Kelanitissa	163	0	0.0%
West Coast	270	99,631	49.6%
ACE Embilipitiya	93	992	1.4%

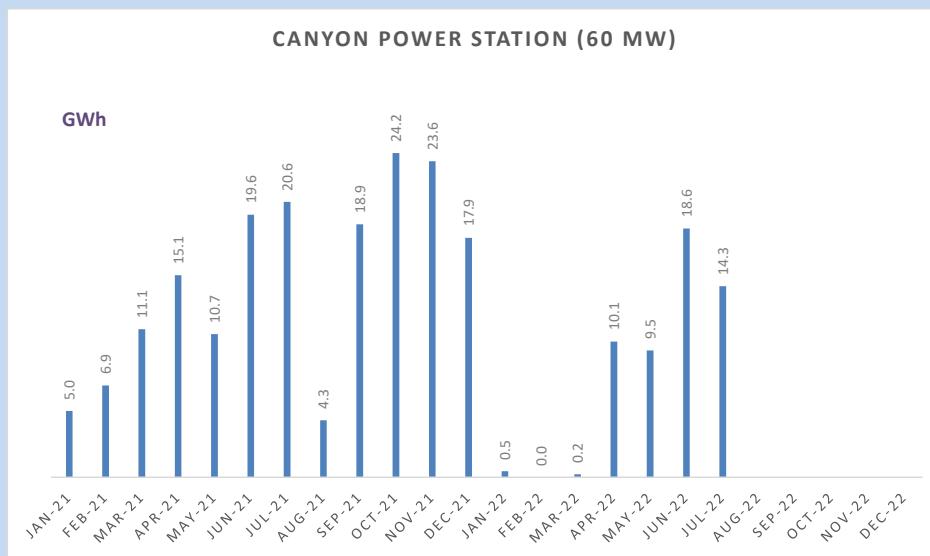
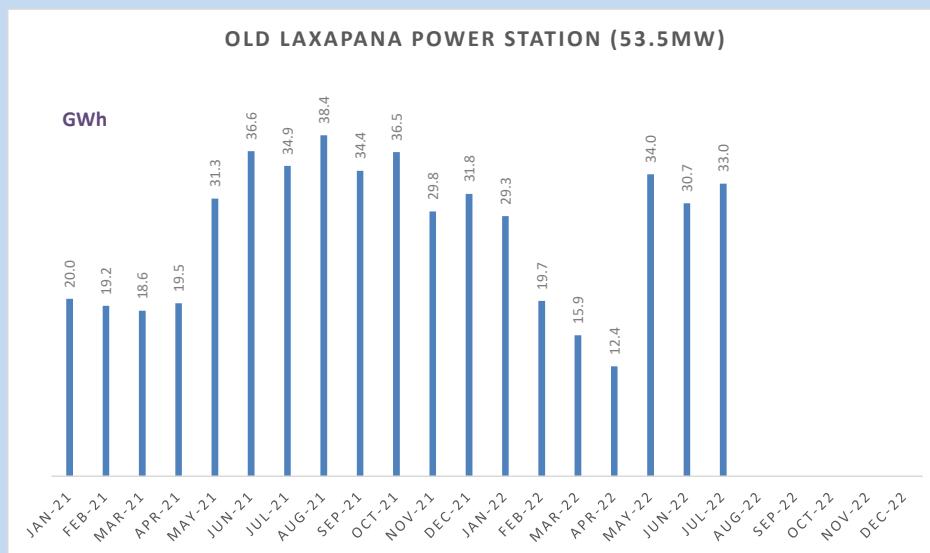
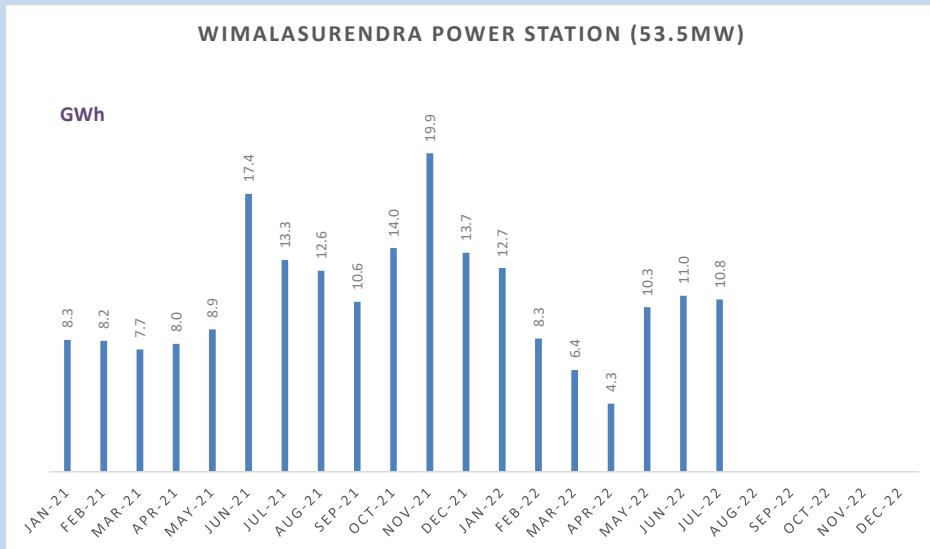
2.2 Running Plant Factors of Major Plants in

July-22

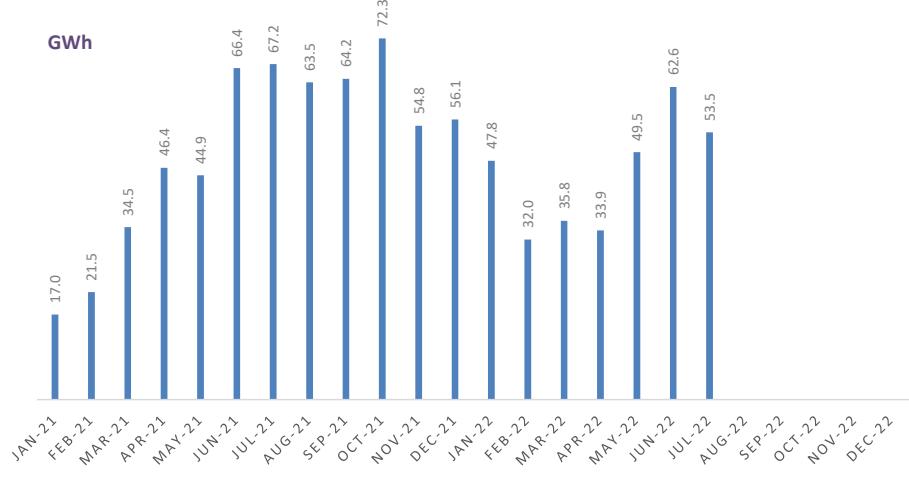
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

Power Station	Availability (GWh)	Generation (GWh)	Running PF (%)
Wimalasurendra	37.2	10.8	29.0%
Old Laxapana	39.3	33.0	83.9%
Canyon	44.6	14.3	32.0%
New Laxapana	74.4	53.5	71.9%
Polpitiya	67.0	48.9	73.0%
Broadlands	5.0	2.1	42.0%
Kotmale	149.5	42.6	28.5%
Victoria	148.6	61.3	41.2%
Randenigala	75.9	30.6	40.3%
Rantambe	37.2	15.1	40.5%
Ukuwela	26.8	14.7	54.9%
Bowatenna	24.0	2.2	9.1%
Upper Kotmale	111.6	51.4	46.0%
Nilambe	1.5	0.9	61.0%
Samanalawewa	89.3	23.6	26.5%
Kukule	54.9	29.3	53.4%
Inginiyagala	3.8	1.7	44.8%
Udawalawe	1.5	2.0	133.9%
Puttalam Coal I	200.9	197.9	98.5%
Puttalam Coal II	0.0	0.0	0.0%
Puttalam Coal III	195.1	193.5	99.2%
KPS Small GTs	11.9	0.0	0.0%
KPS GT 7	58.0	0.0	0.0%
KCCP	77.0	13.2	17.1%
Sapugaskanda A	36.8	22.9	62.1%
Sapugaskanda B	45.4	41.0	90.3%
Uthura Janani	10.0	4.1	40.6%
Barge CEB	40.8	33.9	83.1%
CEB - Thulhiriya	5.9	0.1	1.0%
CEB - Kolonnawa	9.8	0.1	0.9%
CEB - Mathugama	8.4	0.1	0.8%
ACE Matara	1.7	0.2	14.1%
Sojitz Kelanitissa	0.0	0.0	0.0%
West Coast	197.5	99.6	50.4%
ACE Embilipitiya	1.4	1.0	68.9%

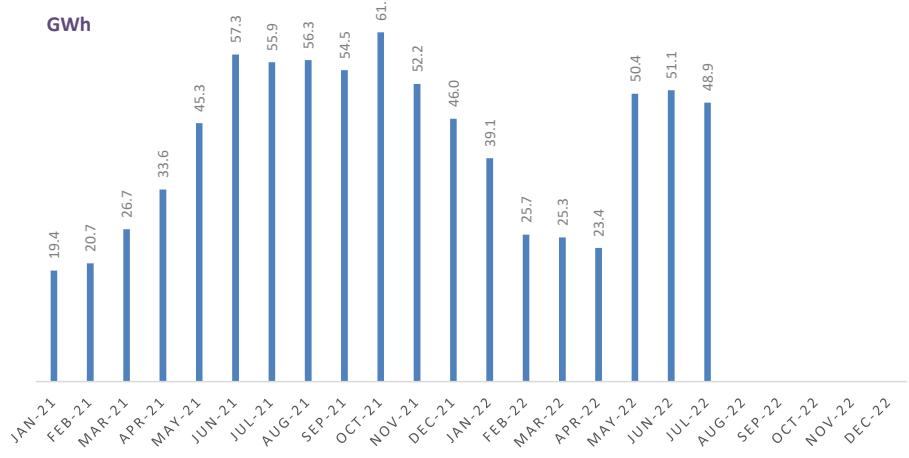
2.3 Generation of Major Power Plants From Last Year



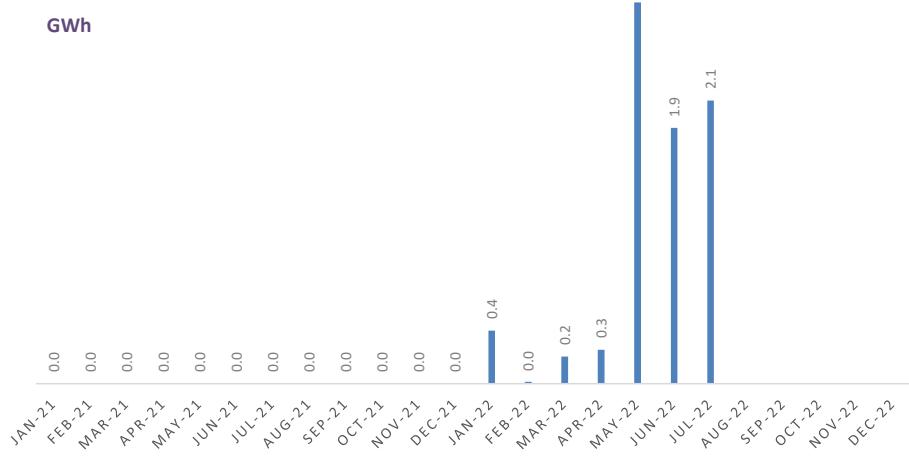
NEW LAXAPANA POWER STATION (115 MW)



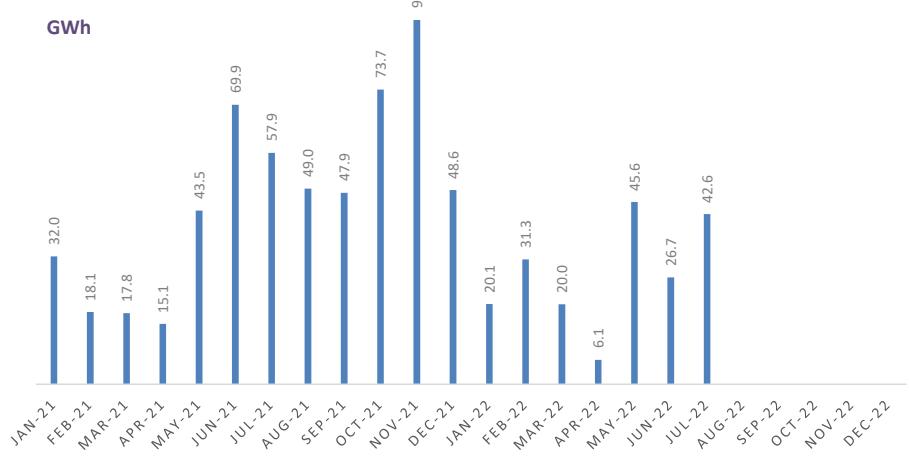
POLPITIYA POWER STATION (90 MW)



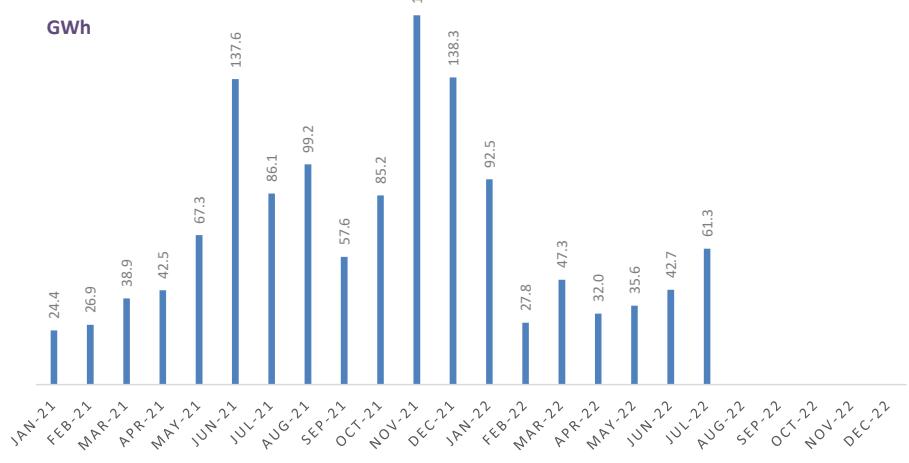
BROADLANDS POWER STATION (35 MW)



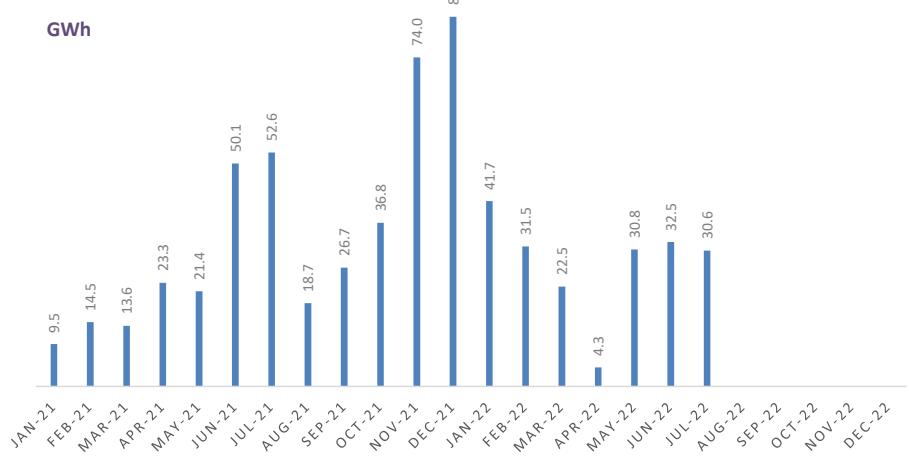
KOTMALE POWER STATION (201 MW)



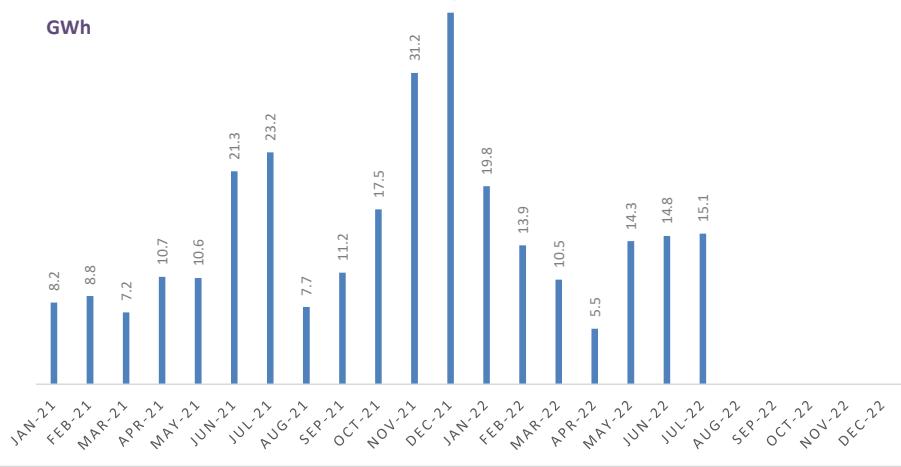
VICTORIA POWER STATION (225 MW)



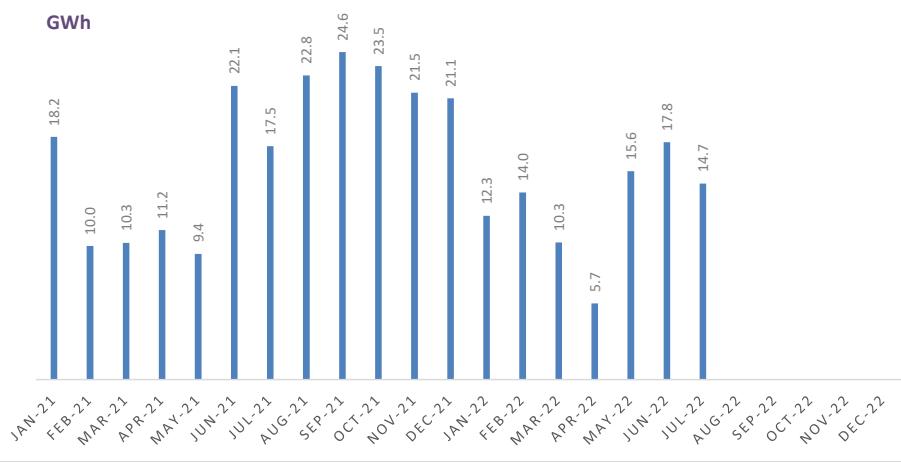
RANDENIGALA POWER STATION (114 MW)



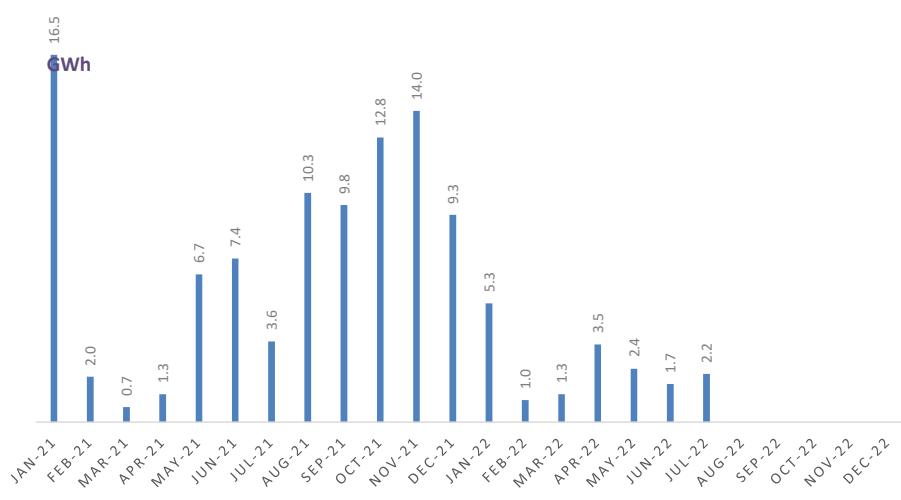
RANTAMBE POWER STATION (50 MW)



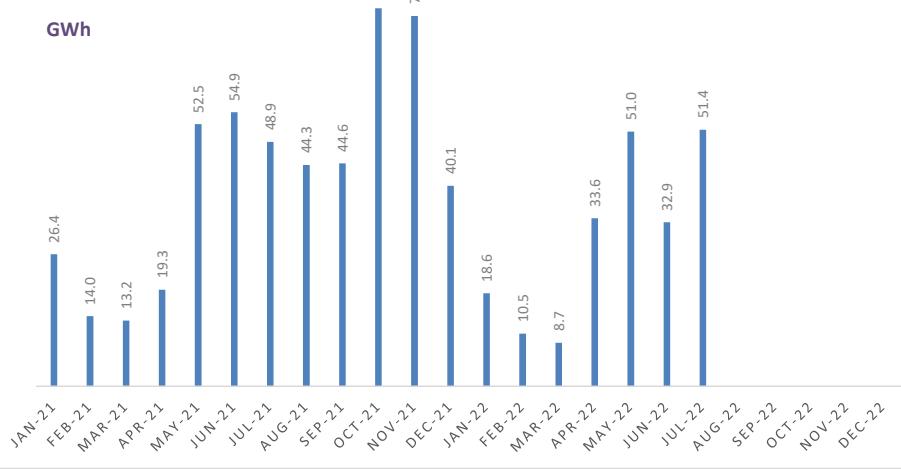
UKUWELA POWER STATION (37 MW)



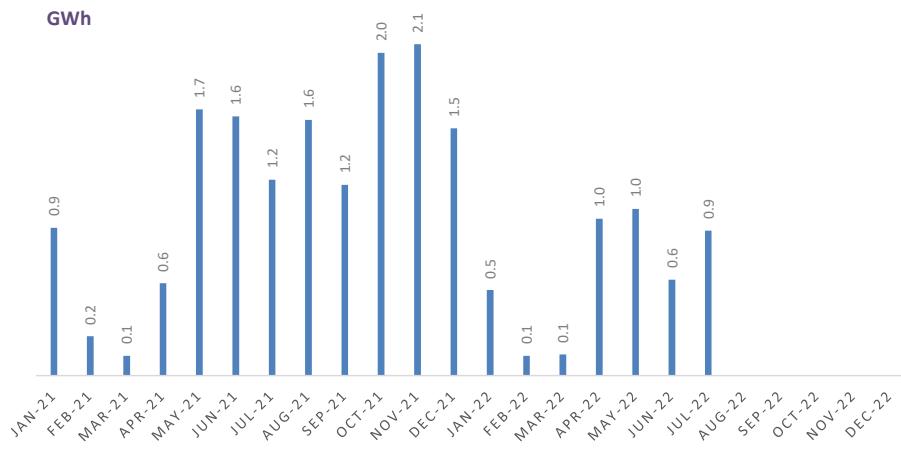
BOWATHENNA POWER STATION (40 MW)



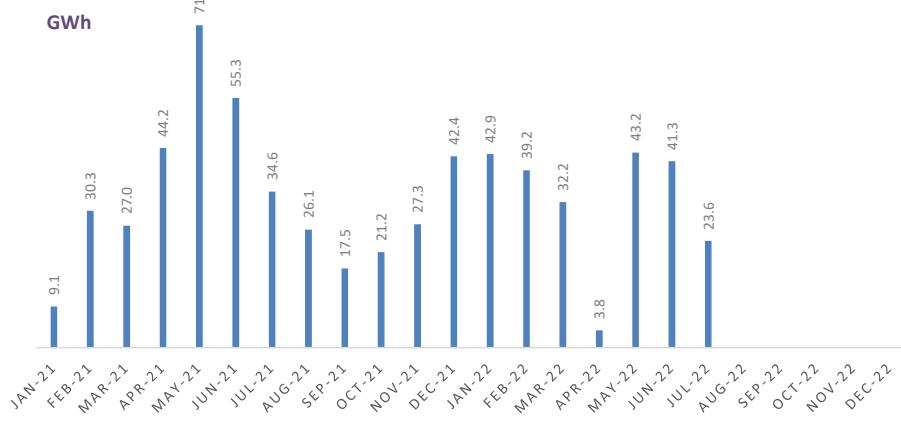
UPPER KOTMALLE POWER STATION (150 MW)



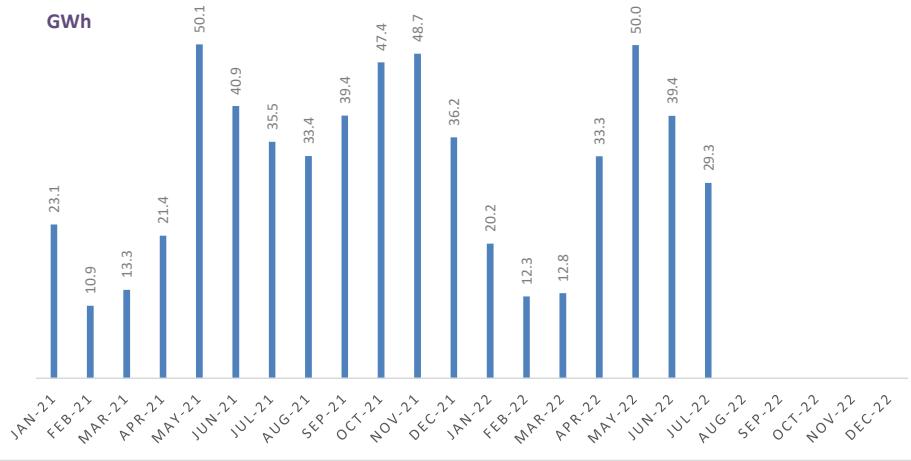
NILLAMBE POWER STATION (3 MW)



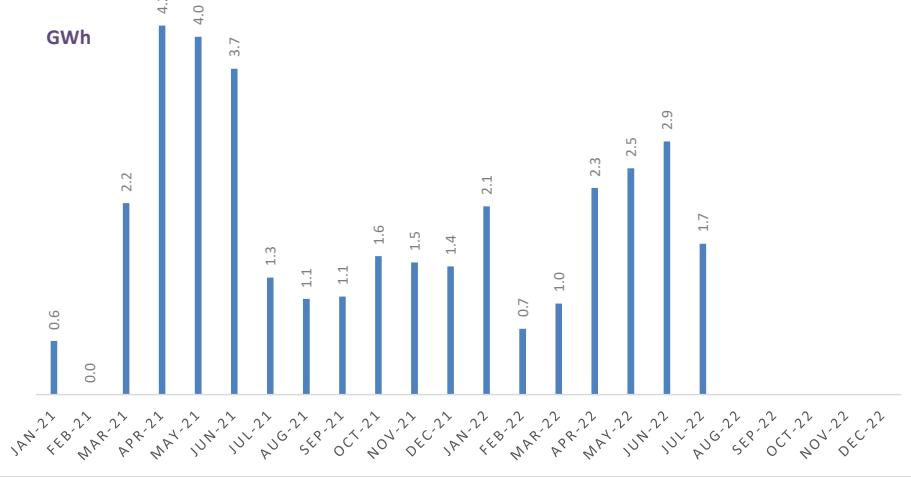
SAMANALAWEWA POWER STATION (120 MW)



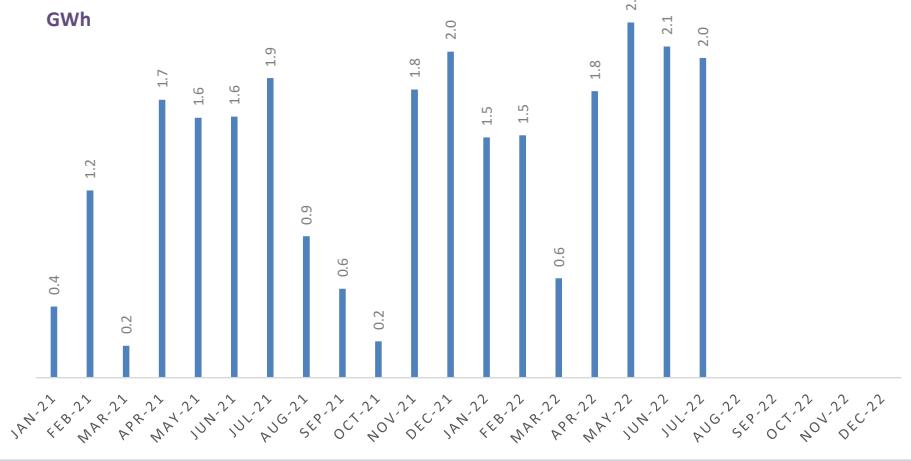
KUKULE POWER STATION (75 MW)



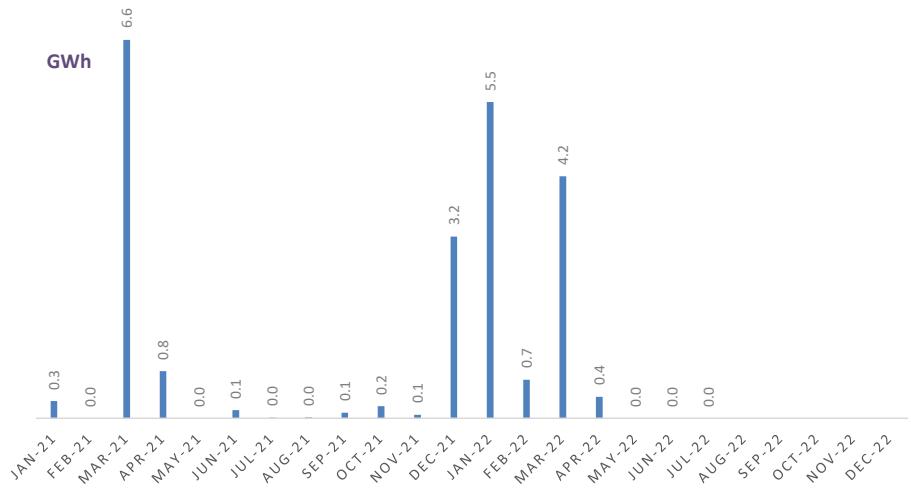
INGINIYAGALA POWER STATION (11 MW)



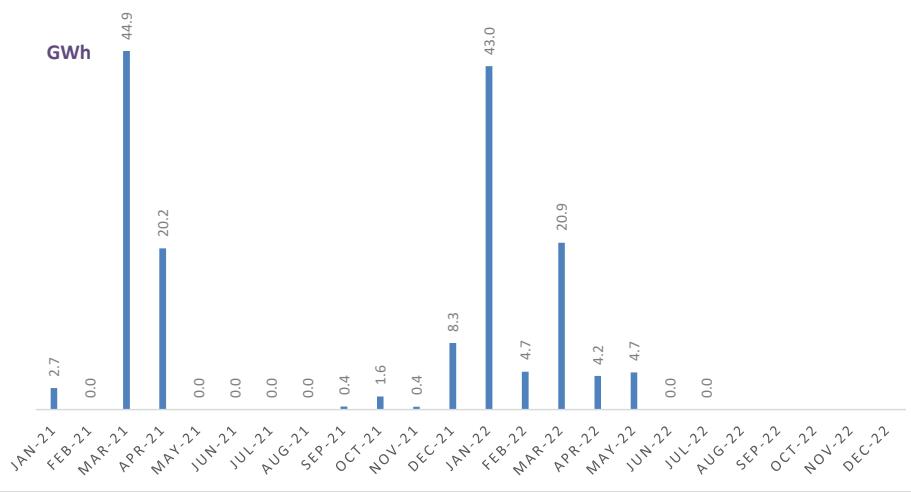
UDAWALAWE POWER STATION (6 MW)



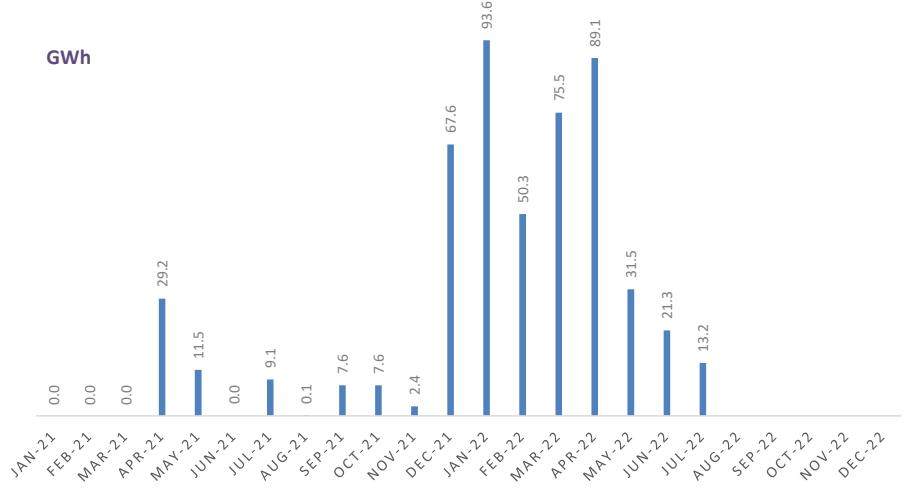
KELANITISSA SMALL GAS TURBINES (4 × 16 MW)



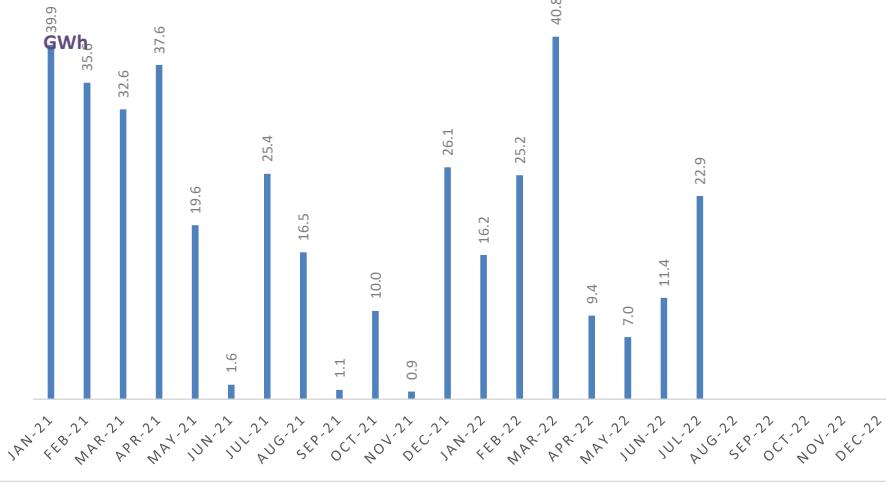
KELANITISSA GT 7 (115 MW)



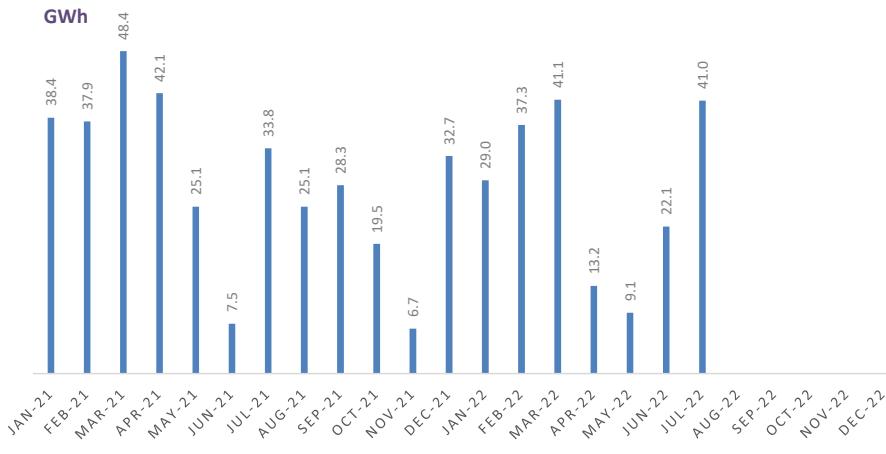
KELANITISSA COMBINED CYCLE POWER PLANT (161 MW)



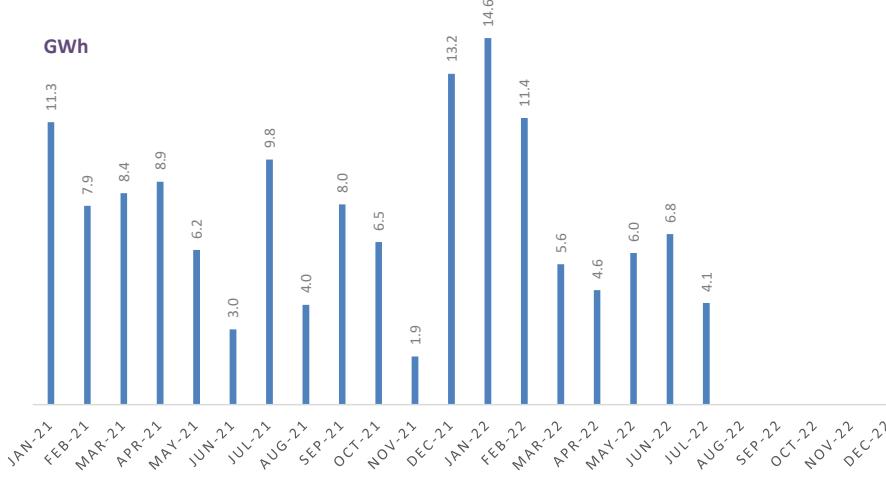
SAPUGASKANDA - A POWER STATION (80 MW)



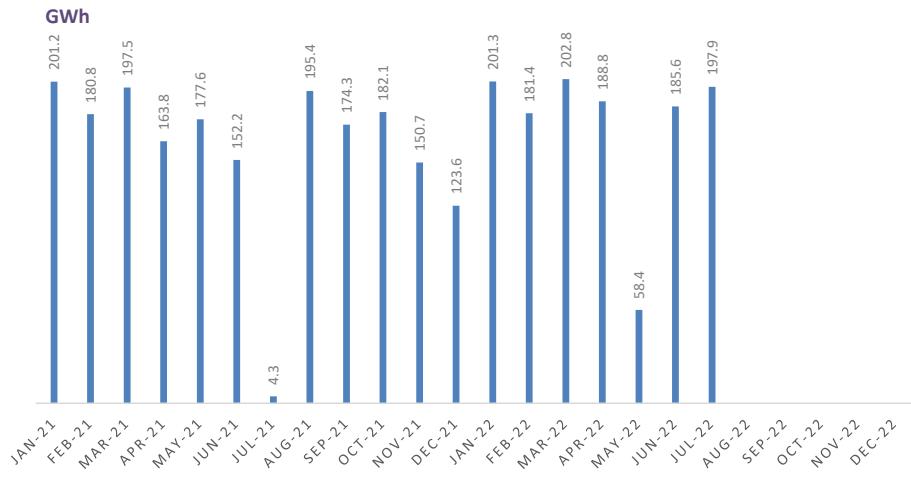
SAPUGASKANDA - B POWER STATION (80 MW)



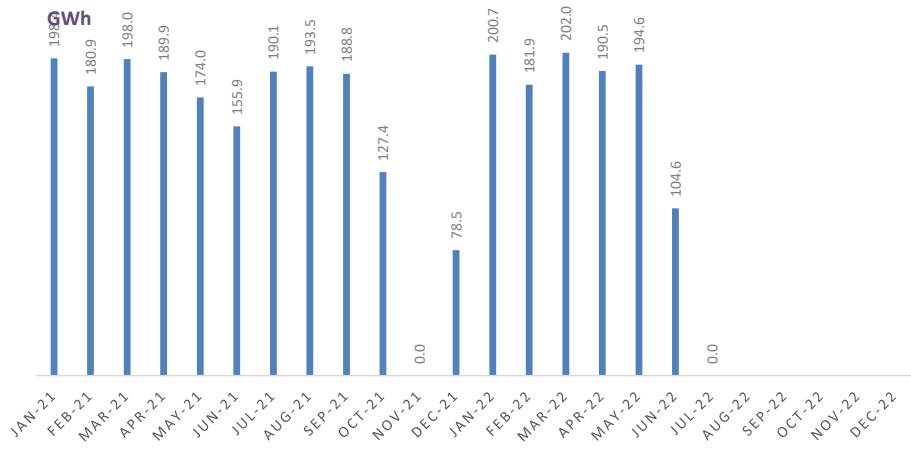
UTHURU JANANEEL POWER STATION (26 MW)



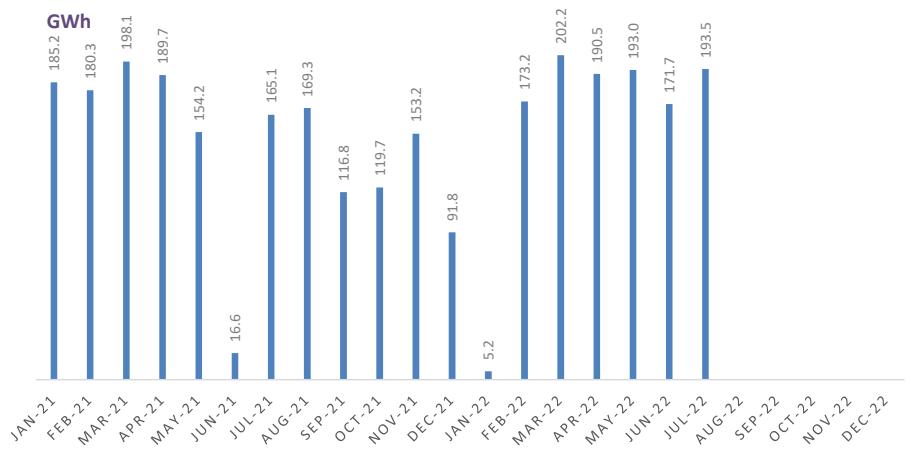
LAKVIJAYA COAL POWER STATION - UNIT 1 (270 MW)



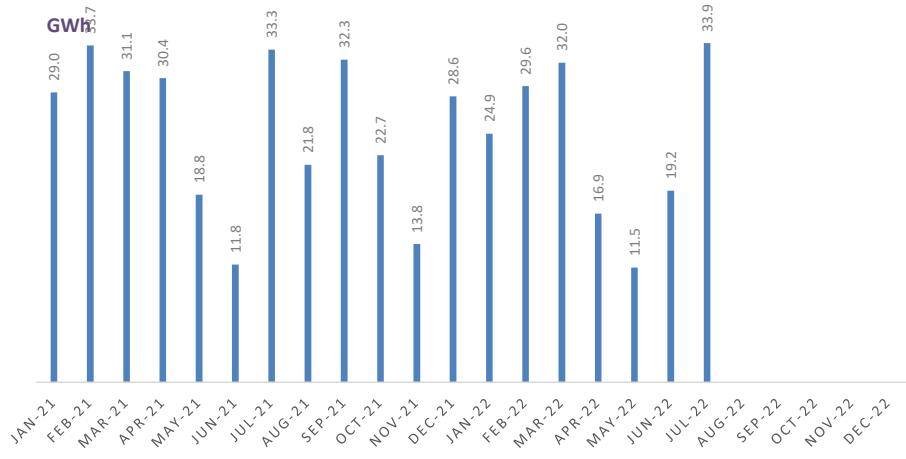
LAKVIJAYA COAL POWER STATION - UNIT 2 (270 MW)



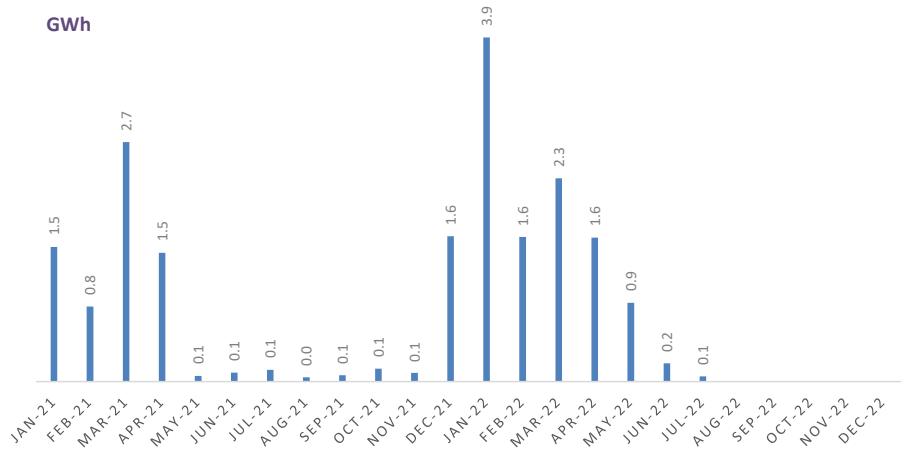
LAKVIJAYA COAL POWER STATION - UNIT 3 (270 MW)



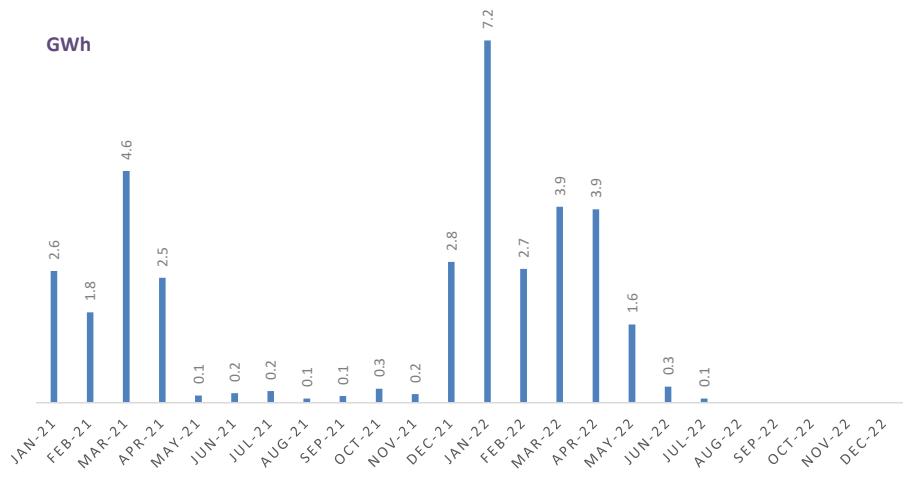
BARGE POWER STATION - CEB (60 MW)



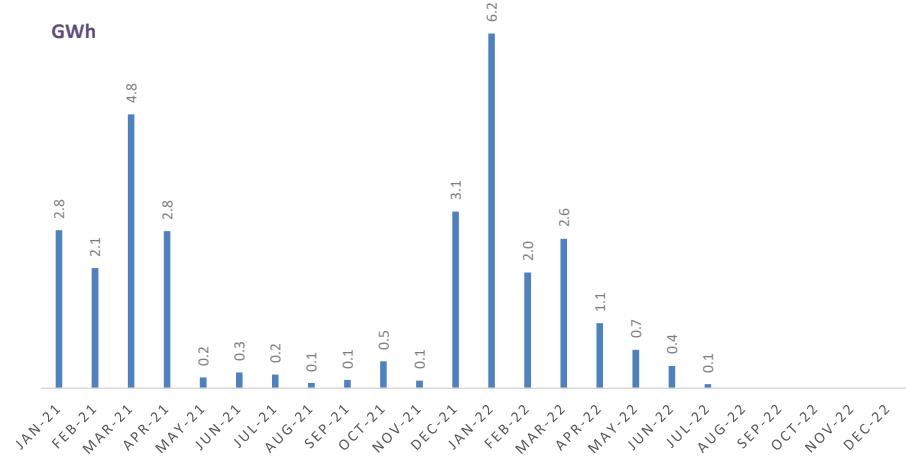
THULHIRIYA - CEB (10 MW)



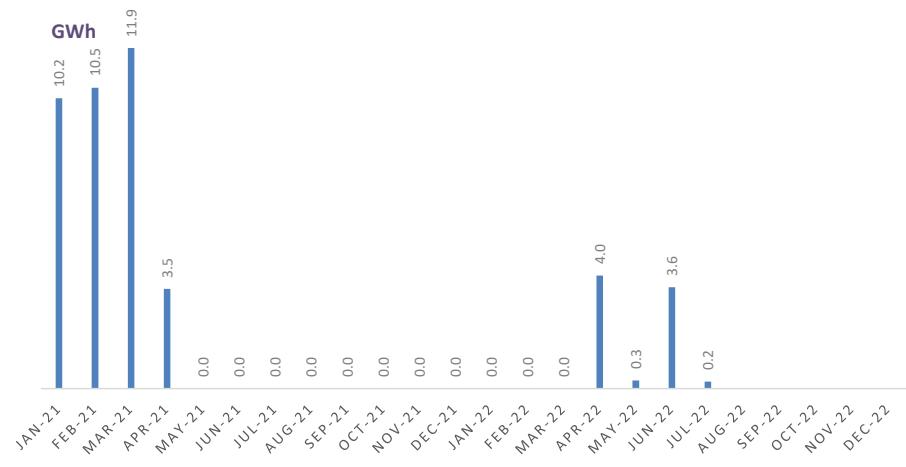
KOLONNAWA - CEB (20 MW)



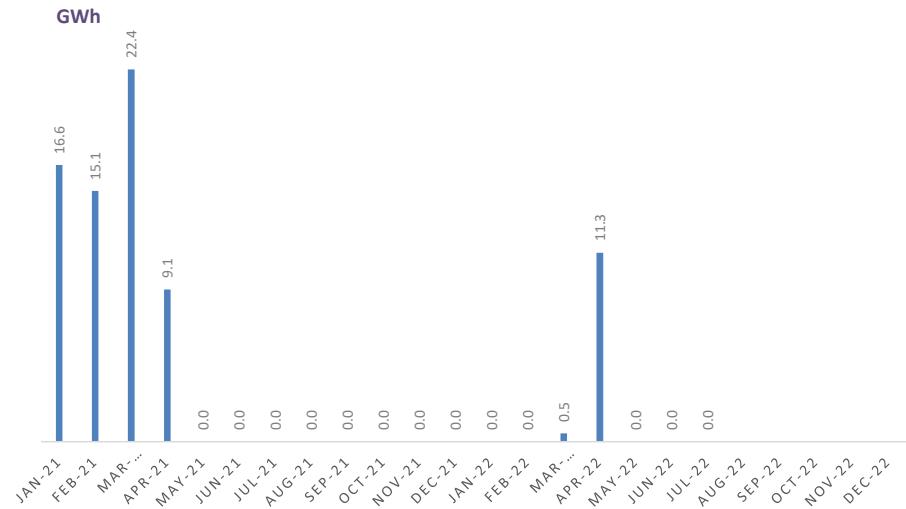
MATHUGAMA - CEB (20 MW)



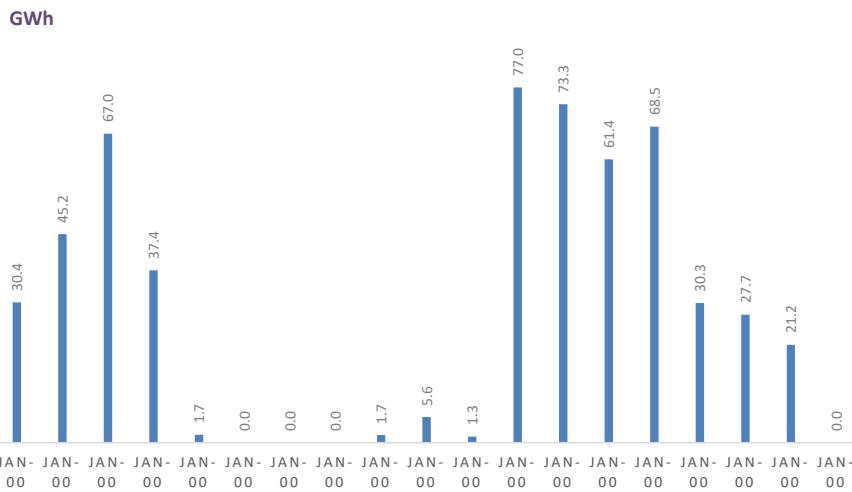
ACE MATARA POWER STATION (24 MW)



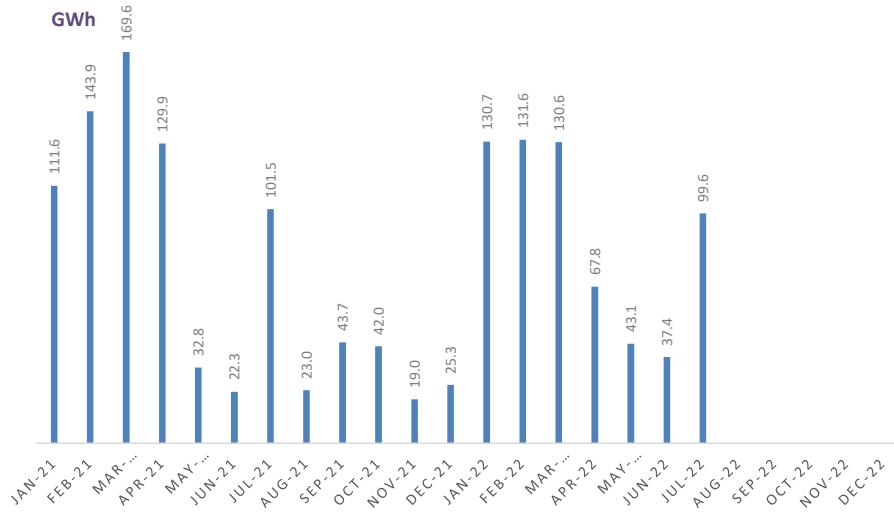
ASIA POWER STATION (51 MW)



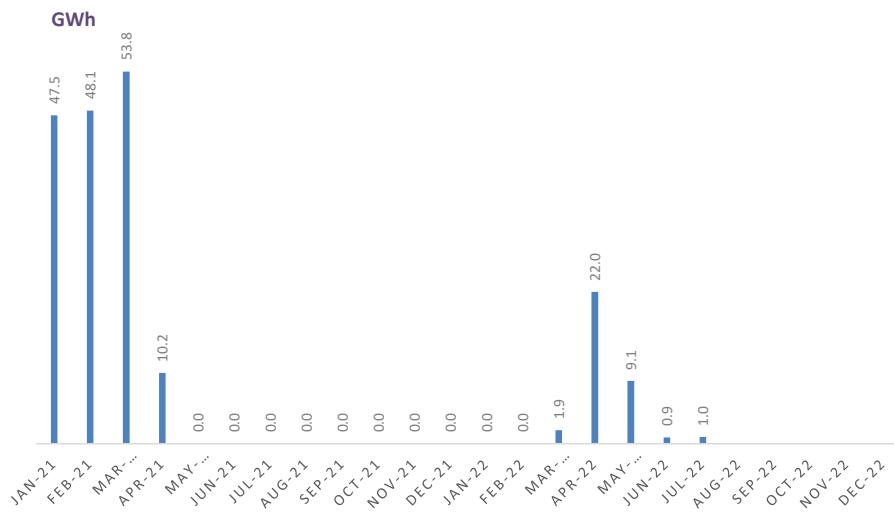
SOJITZ KELANITHISSA POWER STATION (163 MW)



WEST COAST POWER STATION - KERAWALAPITIYA (270 MW)



ACE EMBILIPITIYA POWER STATION (93 MW)



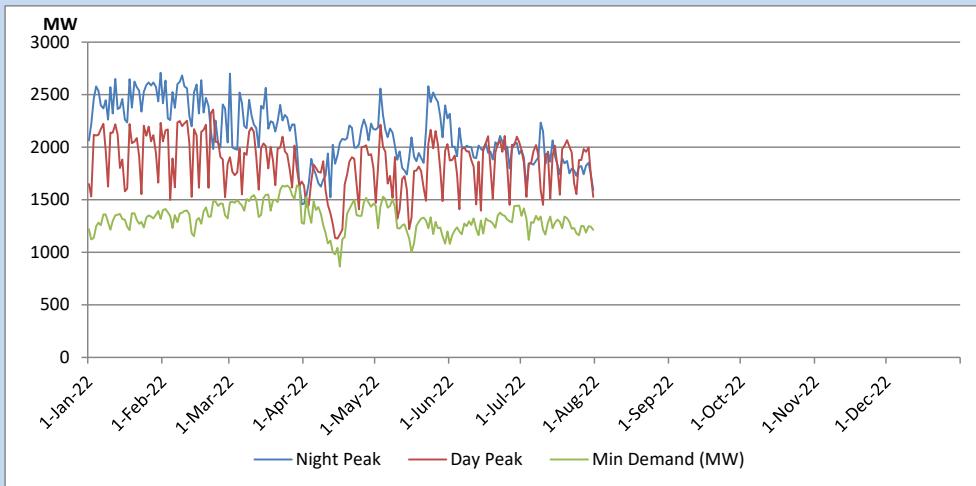
3 Peak Demand

During the month;

Highest Peak Demand	2,235 MW	on	9-Jul
Lowest Peak Demand	1,604 MW	on	3-Jul
Highest Day Peak Demand	2,066 MW	on	20-Jul
Minimum Demand	1,119 MW	on	4-Jul

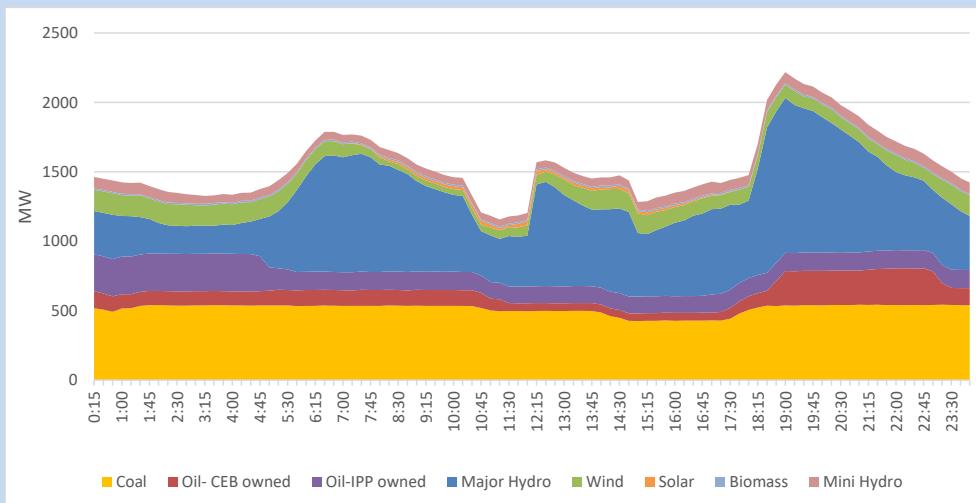
*Demand figures are excluding the contribution from minihydro and biomass plants

3.1 Demand Variation During the year

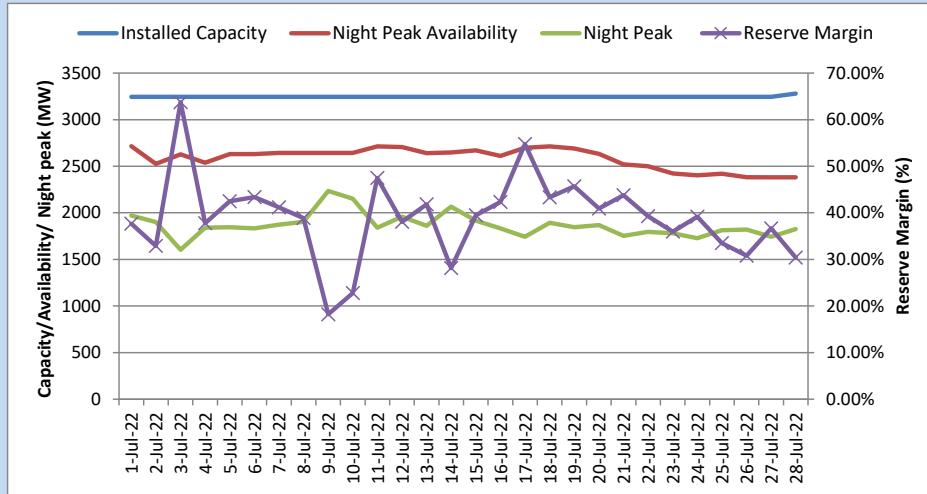


3.2 Load Curve of the Day with Highest Night Peak ,

9-Jul



3.3 Variation of Reserve Margin During Night Peak

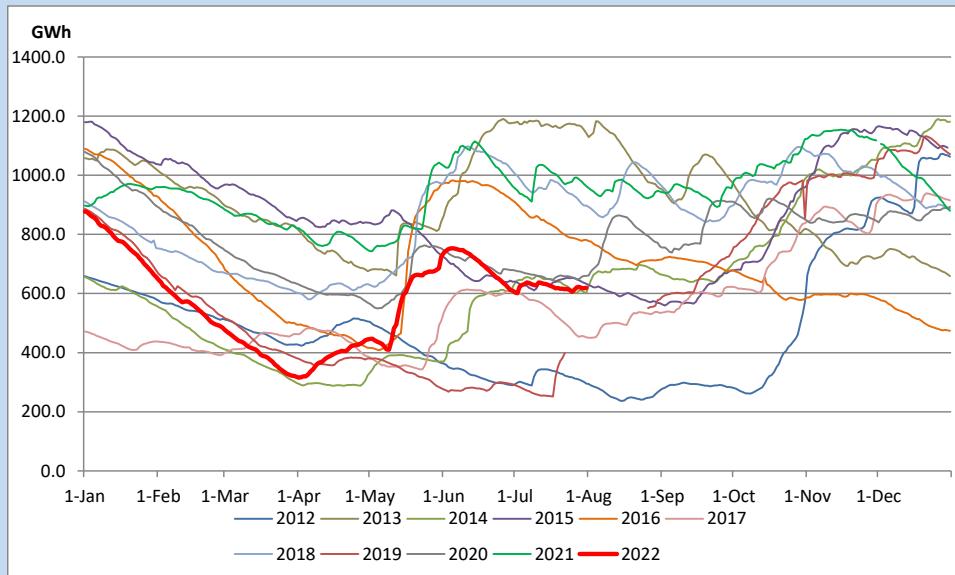


Note: Contribution from NCRE plants is not included

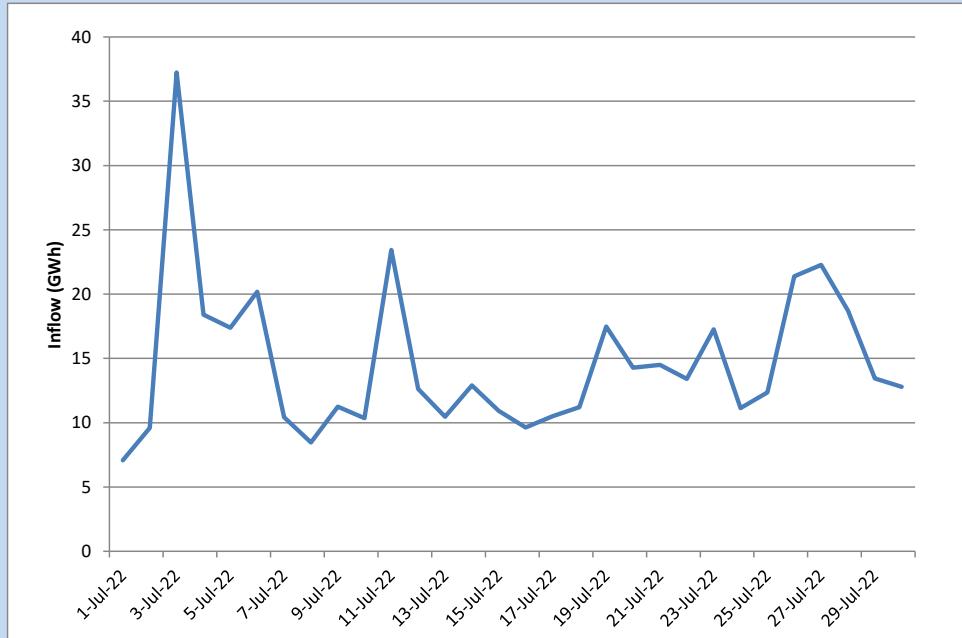
4 Reservoir Statistics

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

