

Monthly Generation Report

October-21

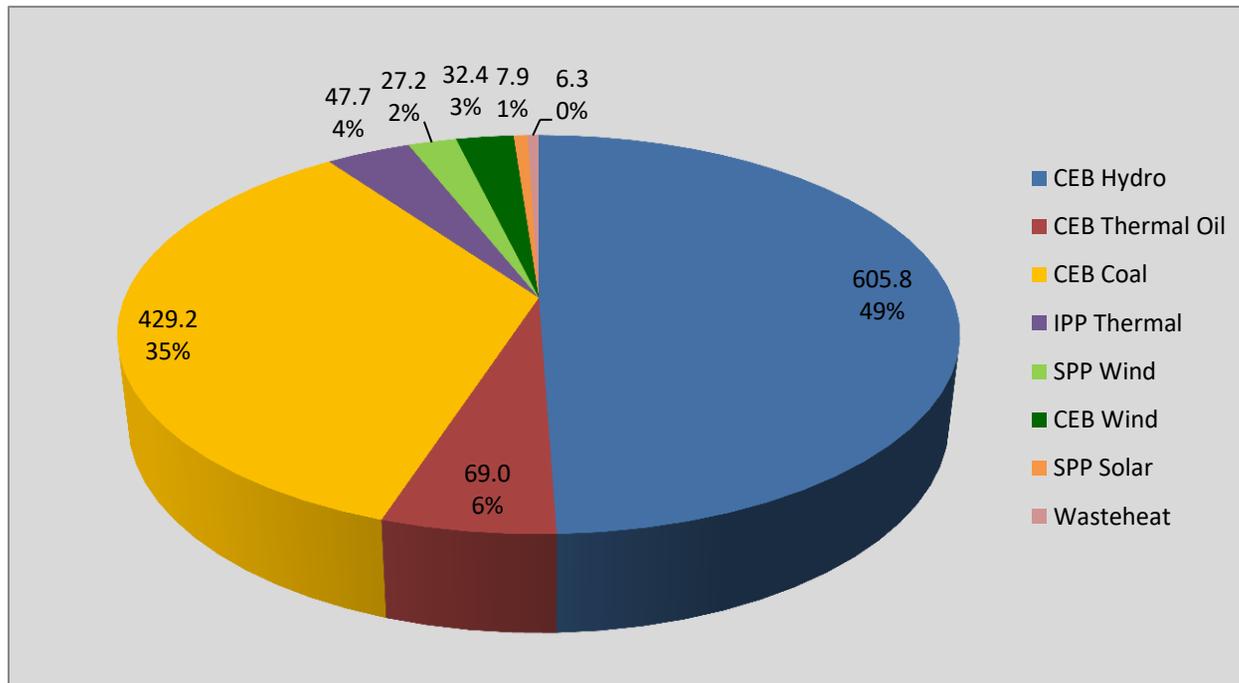


PUBLIC UTILITIES COMMISSION OF SRI LANKA

1 Generation Mix

1.1 Monthly Generation Mix in GWh

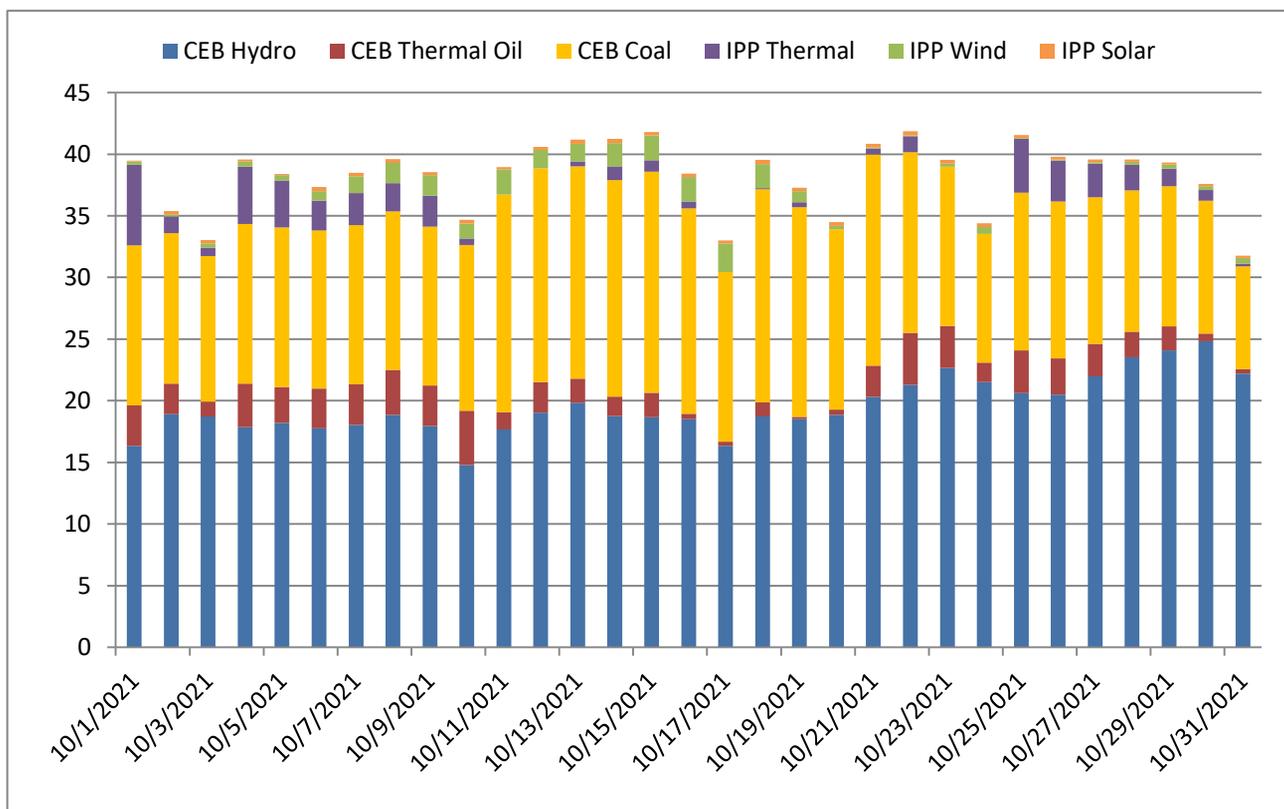
October-21



Total Generation= 1,286 GWh

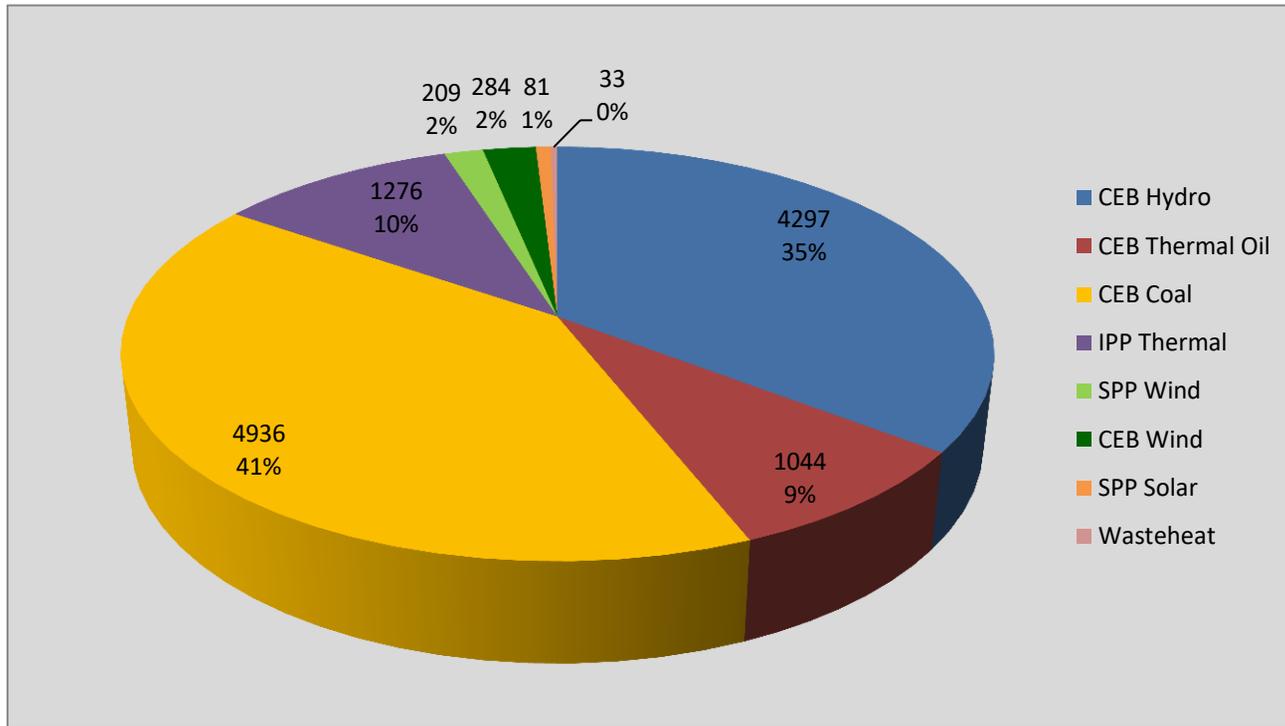
This is excluding the contribution from Minihydro and Biomass power plants

1.2 Variation of Daily Generation Mix during the month



This is excluding the contribution from Minihydro and Biomass plants

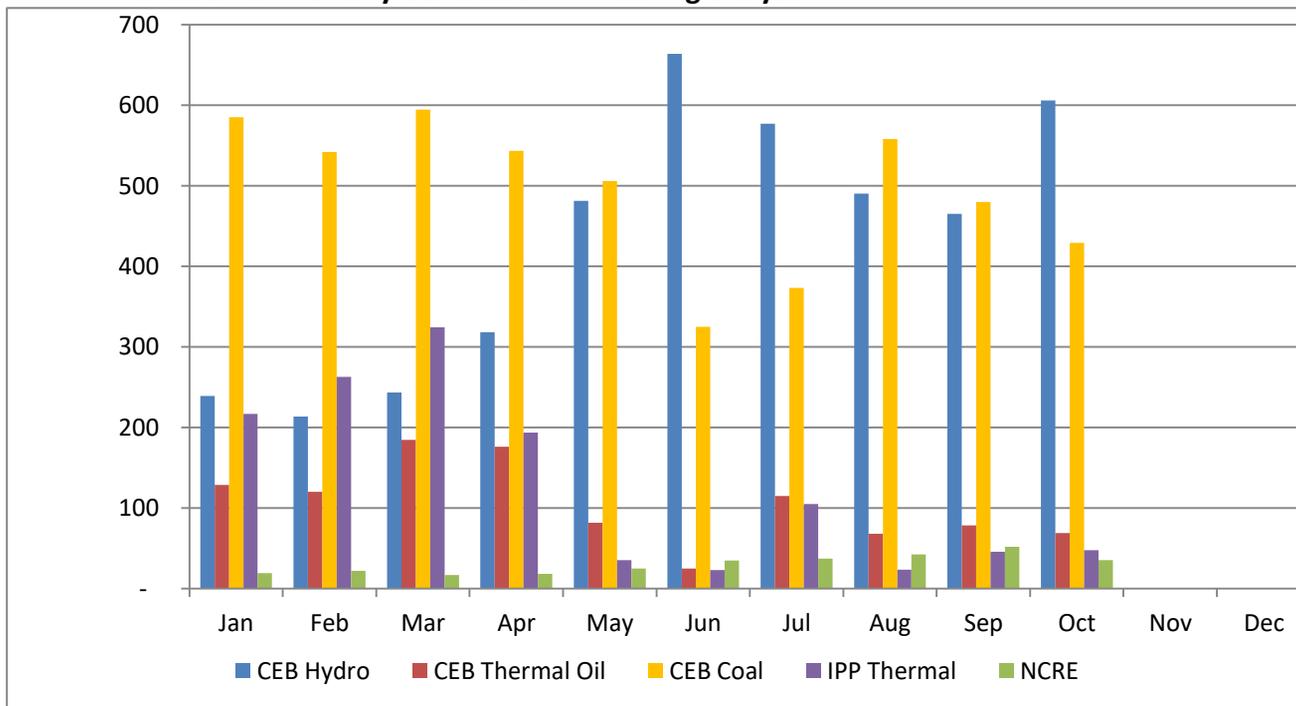
1.3 Annual Cumulative Generation



Total Generation = 12,238 GWh

This is excluding the contribution from Minihydro and Biomass plants

1.4 Variation of Monthly Generation Mix during the year



This is excluding the contribution from Minihydro and Biomass plants

2 Major Plant Dispatch

2.1 Dispatch from all Generation Major Plants in October-21

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)	
Wimalasurendra	50	13,990	37.61%	
Old Laxapana	53.8	36,492	91.17%	
Canyon	60	24,244	54.31%	
New Laxapana	116	72,290	83.76%	
Polpitiya	75	61,170	109.62%	
Kotmale	201	73,710	49.29%	
Victoria	210	85,185	54.52%	
Randenigala	122	36,797	40.54%	
Rantambe	49	17,515	48.04%	
Ukuwela	37	23,532	85.48%	
Bowatenna	40	12,813	43.05%	
Upper Kotmale	150	75,643	67.78%	
Nilambe	3.2	2,019	84.80%	
Samanalawewa	120	21,182	23.73%	
Kukule	75	47,420	84.98%	
Inginiyagala	11.25	1,560	18.64%	
Udawalawe	6	226	5.06%	
Puttalam Coal I	275	182,147	89.03%	
Puttalam Coal II	275	127,363	62.25%	
Puttalam Coal III	275	119,674	58.49%	
KPS Small GTs	65.2	212	0.44%	
KPS GT 7	113	1,642	1.95%	
KCCP	161	7,586	6.33%	
Sapugaskanda A	69.6	9,951	19.22%	
Sapugaskanda B	69.6	19,471	37.60%	
Uthura Janani	26.01	6,482	33.50%	
Barge CEB	60	22,720	50.90%	
CEB-Thulhiriya	10	146	1.96%	
CEB-Kolonnawa	20	281	1.89%	
CEB-Mathugama	20	471	3.17%	
ACE Matara	20	0	0.00%	PPA expired
Asia Power	50.8	0	0.00%	PPA expired
AES - Kelanitissa	163	5,559	4.58%	
Westcoast	270	42,001	20.91%	
ACE Embilipitiya	100	0	0.00%	PPA expired
Vpower-Pallekele	24	0	0.00%	PPA expired
Vpower-Galle	10	0	0.00%	PPA expired
Vpower-Hamba.	24	0	0.00%	PPA expired
Vpower-Horana	24	0	0.00%	PPA expired
Altaaqa-Mahiya.	10	0	0.00%	PPA expired
Vpower-Valach.	24	152	0.85%	

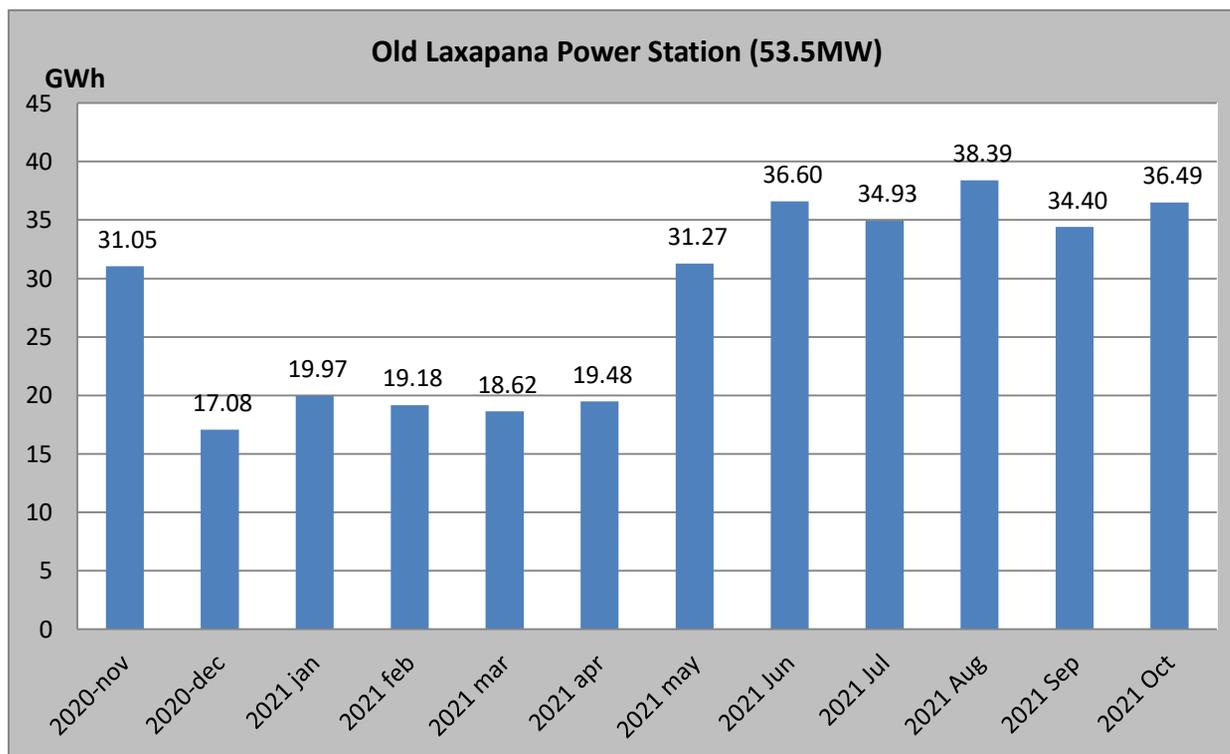
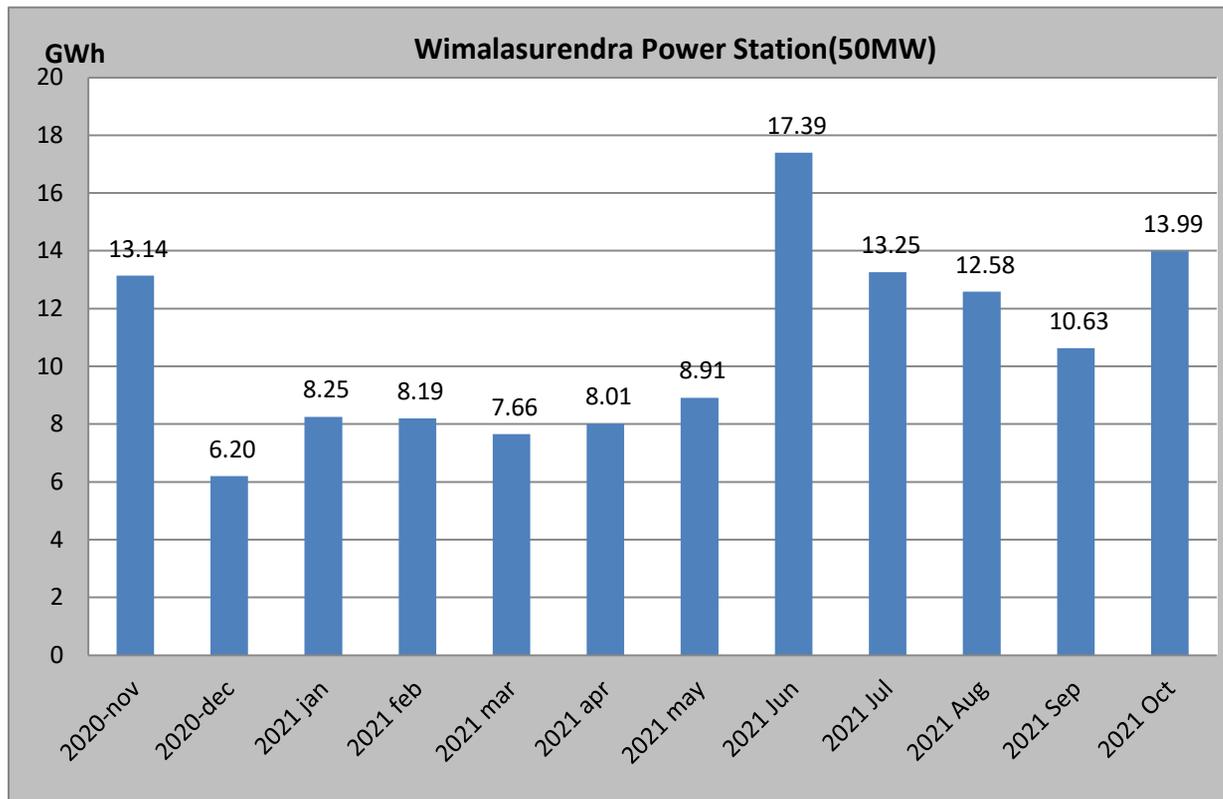
2.2 Running Plant Factors of Major Plants in

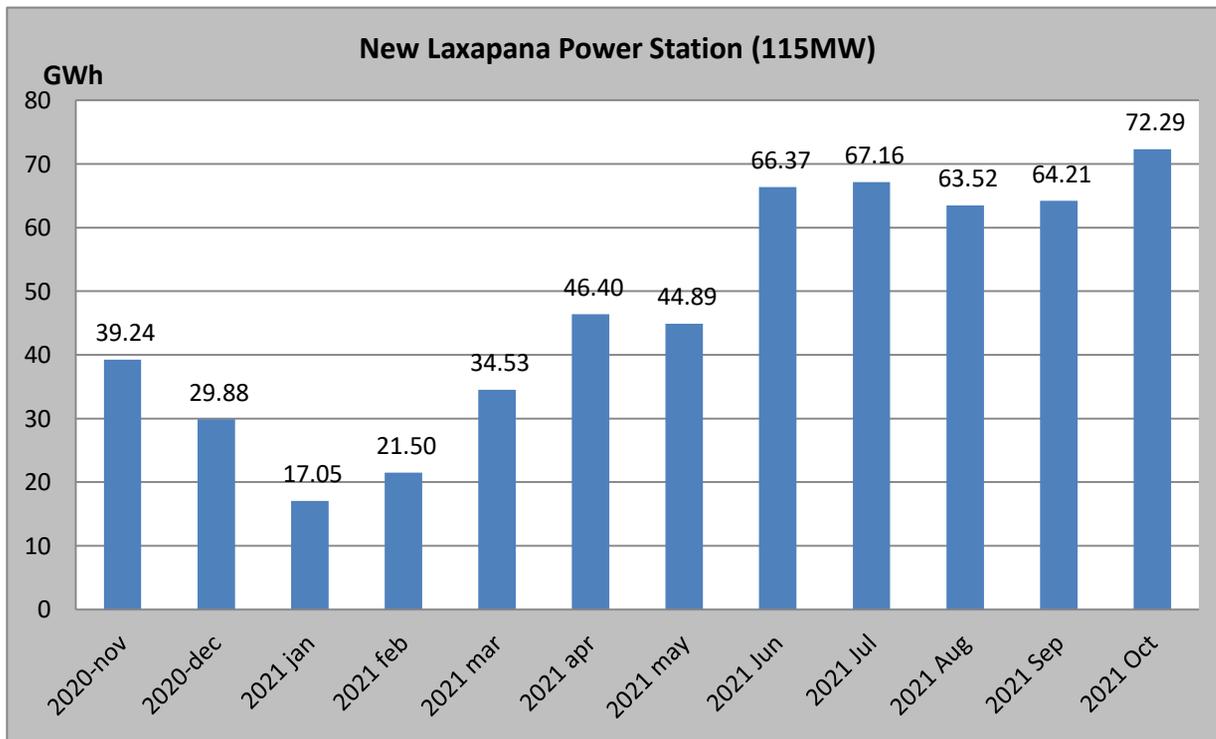
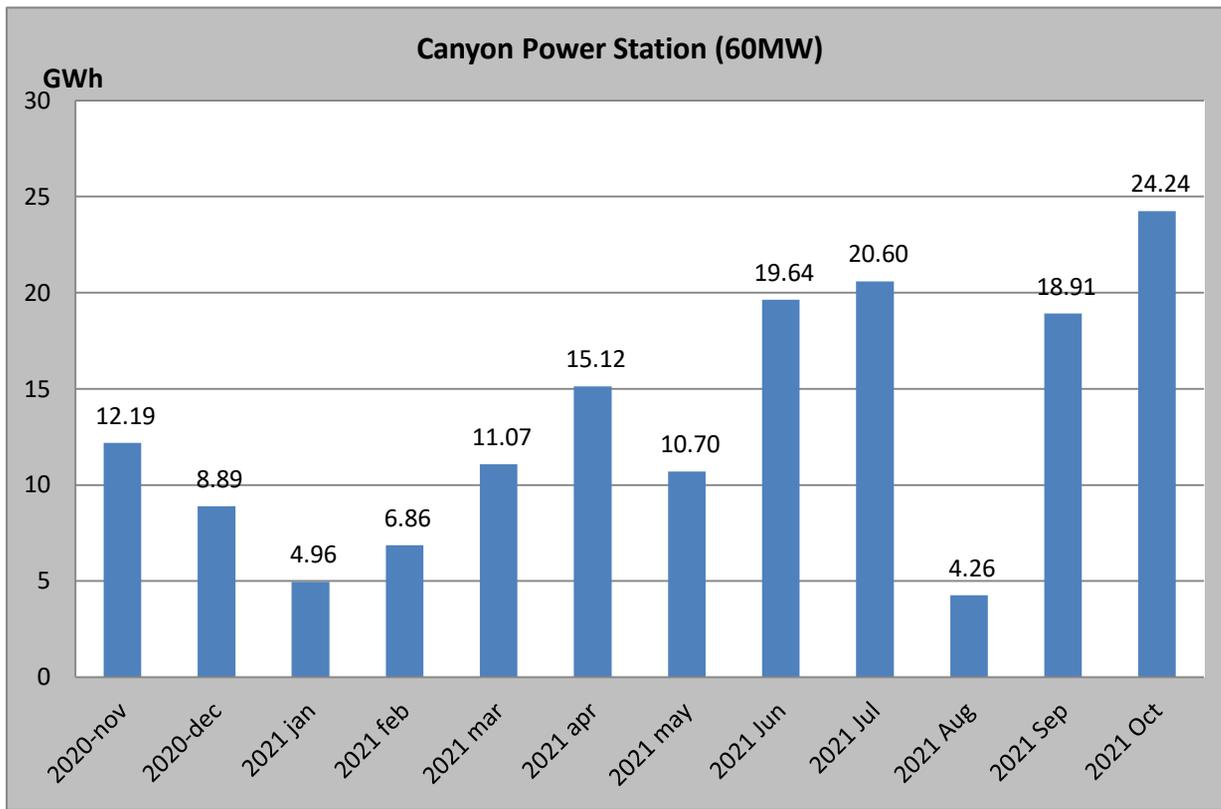
October-21

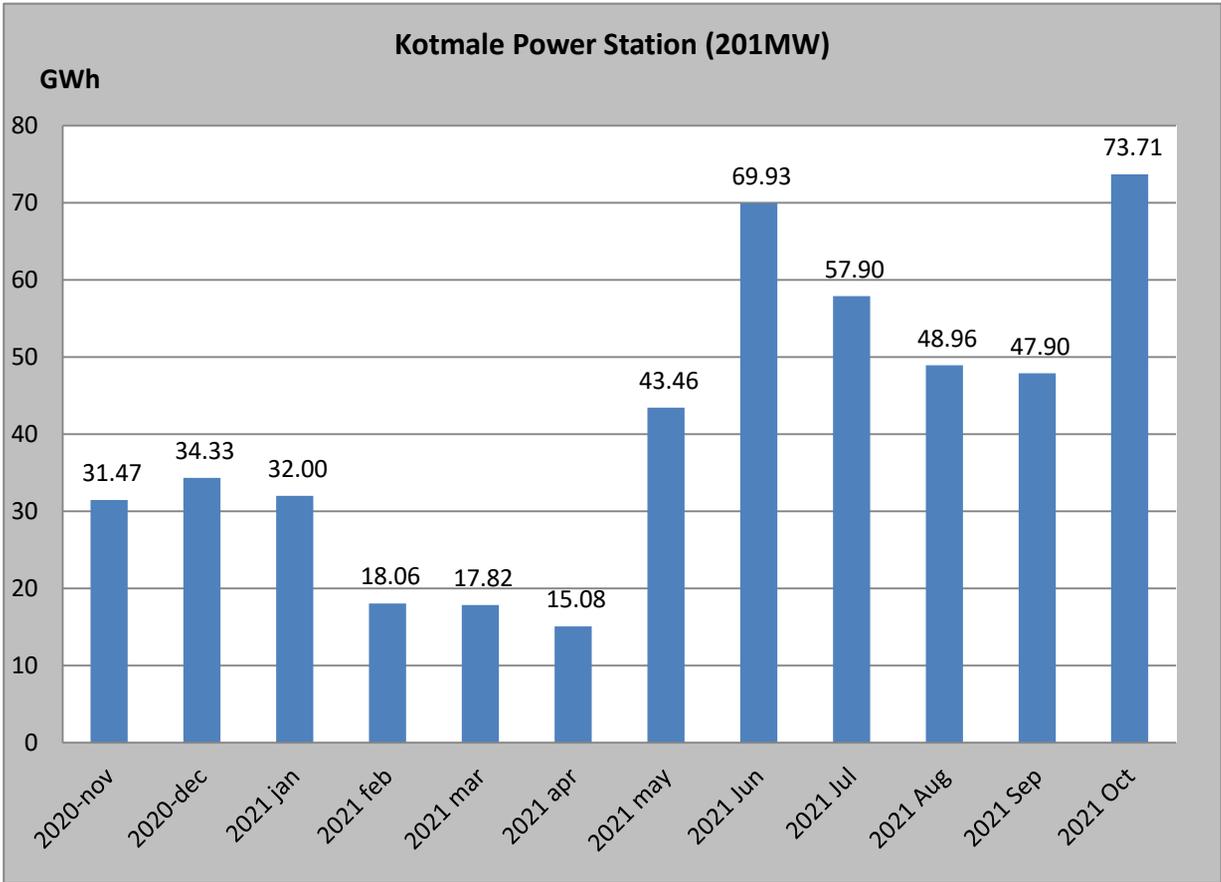
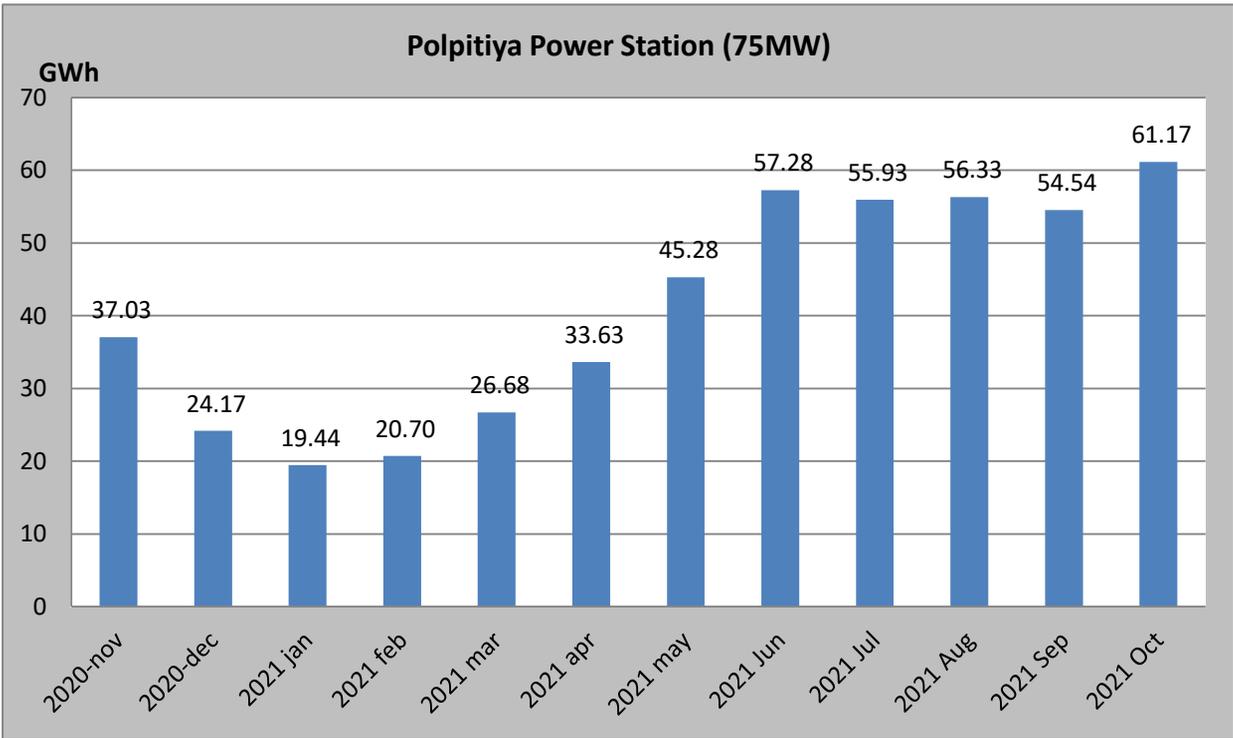
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

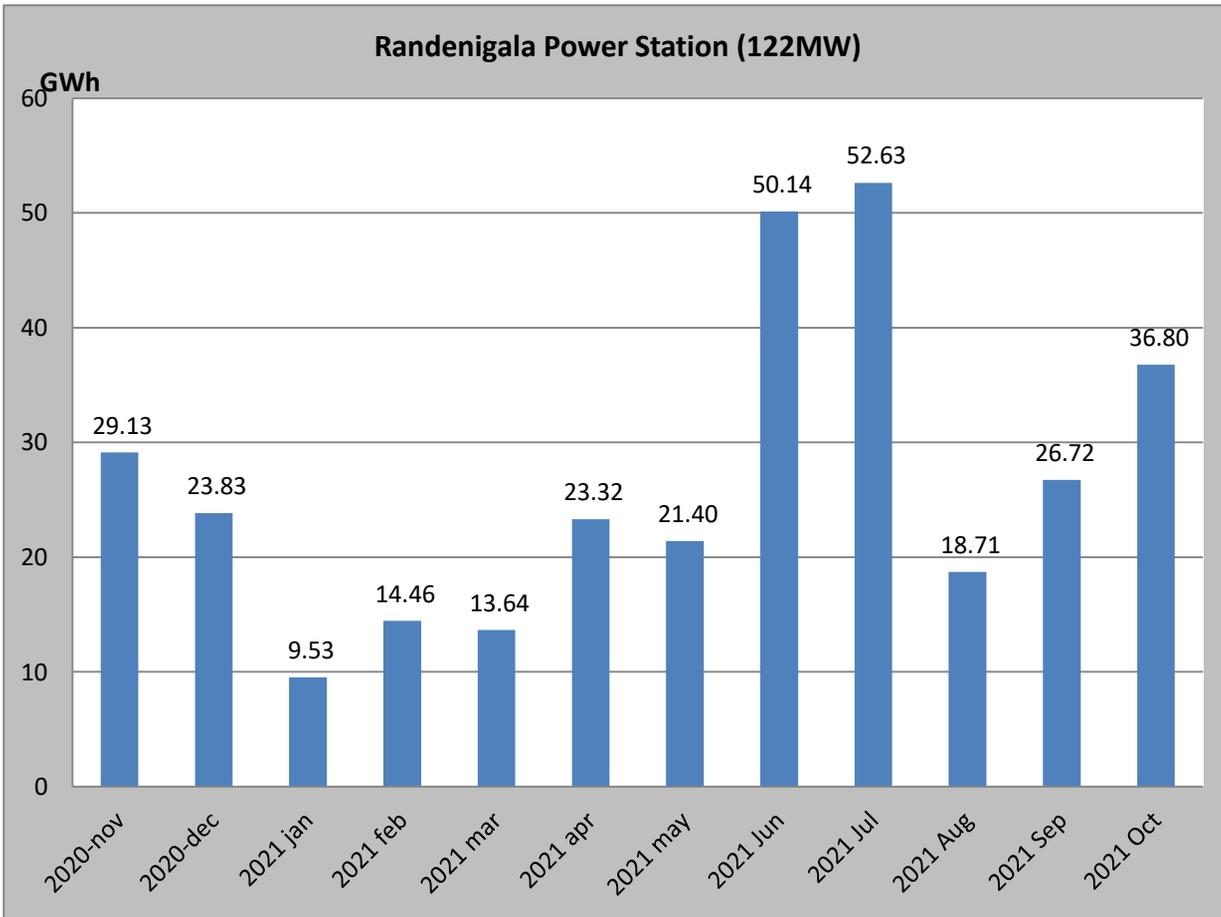
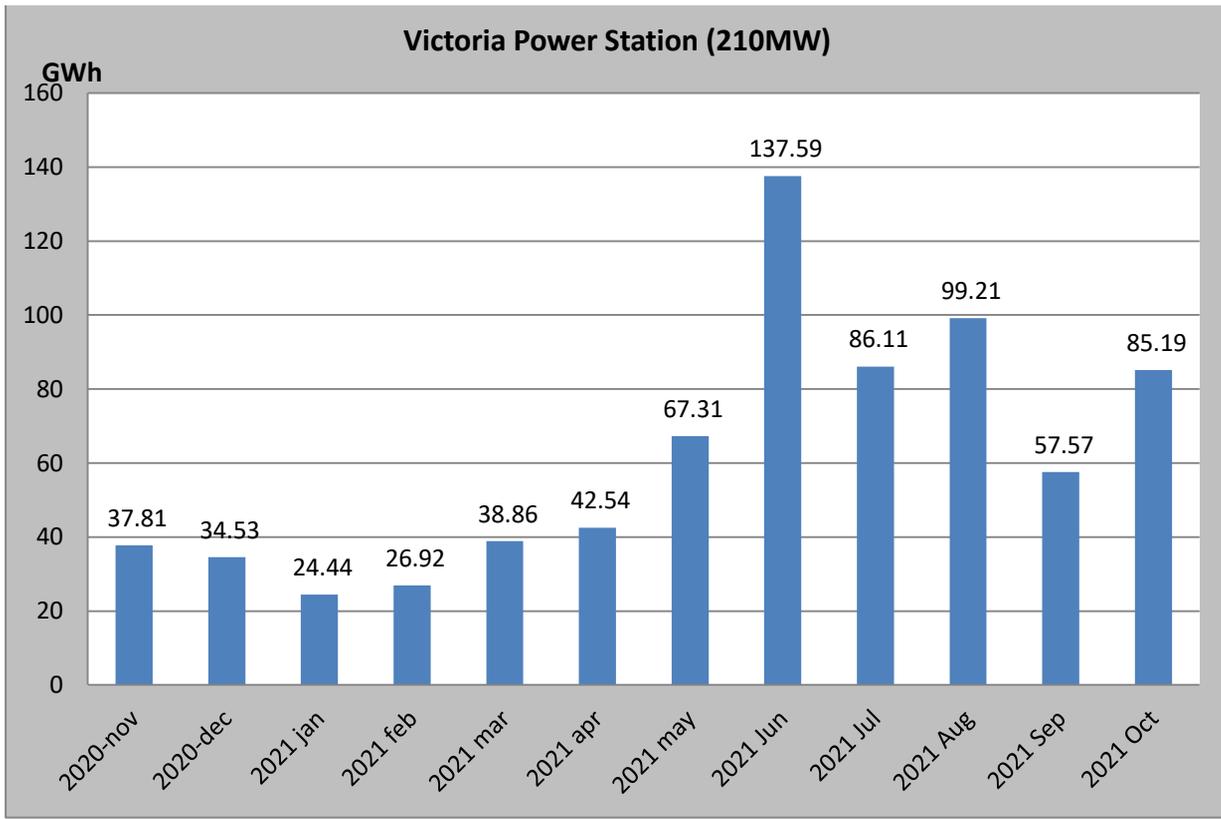
Power Station	Availability(GWh)	Generation (MWh)	Running PF (%)
Wimalasurendra	37200	13,990	37.61%
Old Laxapana	40920	36,492	89.18%
Canyon	44640	24,244	54.31%
New Laxapana	72720	72,290	99.41%
Polpitiya	66960	61,170	91.35%
Kotmale	115776	73,710	63.67%
Victoria	126720	85,185	67.22%
Randenigala	89280	36,797	41.22%
Rantambe	37200	17,515	47.08%
Ukuwela	25920	23,532	90.79%
Bowatenna	28272	12,813	45.32%
Upper Kotmale	111600	75,643	67.78%
Nilambe	2380.8	2,019	84.80%
Samanalawewa	89280	21,182	23.73%
Kukule	55800	47,420	84.98%
Inginiyagala	8370	1,560	18.64%
Udawalawe	2976	226	7.59%
Puttalam Coal I	200880	182,147	90.67%
Puttalam Coal II	136080	127,363	93.59%
Puttalam Coal III	142560	119,674	83.95%
KPS Small GTs	31848	212	0.67%
KPS GT 7	82560	1,642	1.99%
KCCP	76224	7,586	9.95%
Sapugaskanda A	36600	9,951	27.19%
Sapugaskanda B	40392	19,471	48.21%
Uthura Janani	15336	6,482	42.27%
Barge CEB	44640	22,720	50.90%
CEB-Thulhiriya	5913.6	146	2.47%
CEB-Kolonnawa	10771.2	281	2.61%
CEB-Mathugama	11534.4	471	4.08%
ACE Matara	0	0	PPA expired
Asia Power	0	0	PPA expired
AES - Kelanitissa	121272	5,559	4.58%
Westcoast	165120	42,001	25.44%
ACE Embilipitiya	0	0	PPA expired
Vpower-Pallekele	0	0	PPA expired
Vpower-Galle	0	0	PPA expired
Vpower-Hamba.	0	0	PPA expired
Vpower-Horana	0	0	PPA expired
Altaaqa-Mahiya.	0	0	PPA expired
Vpower-Valach.	3456	152	4.40%

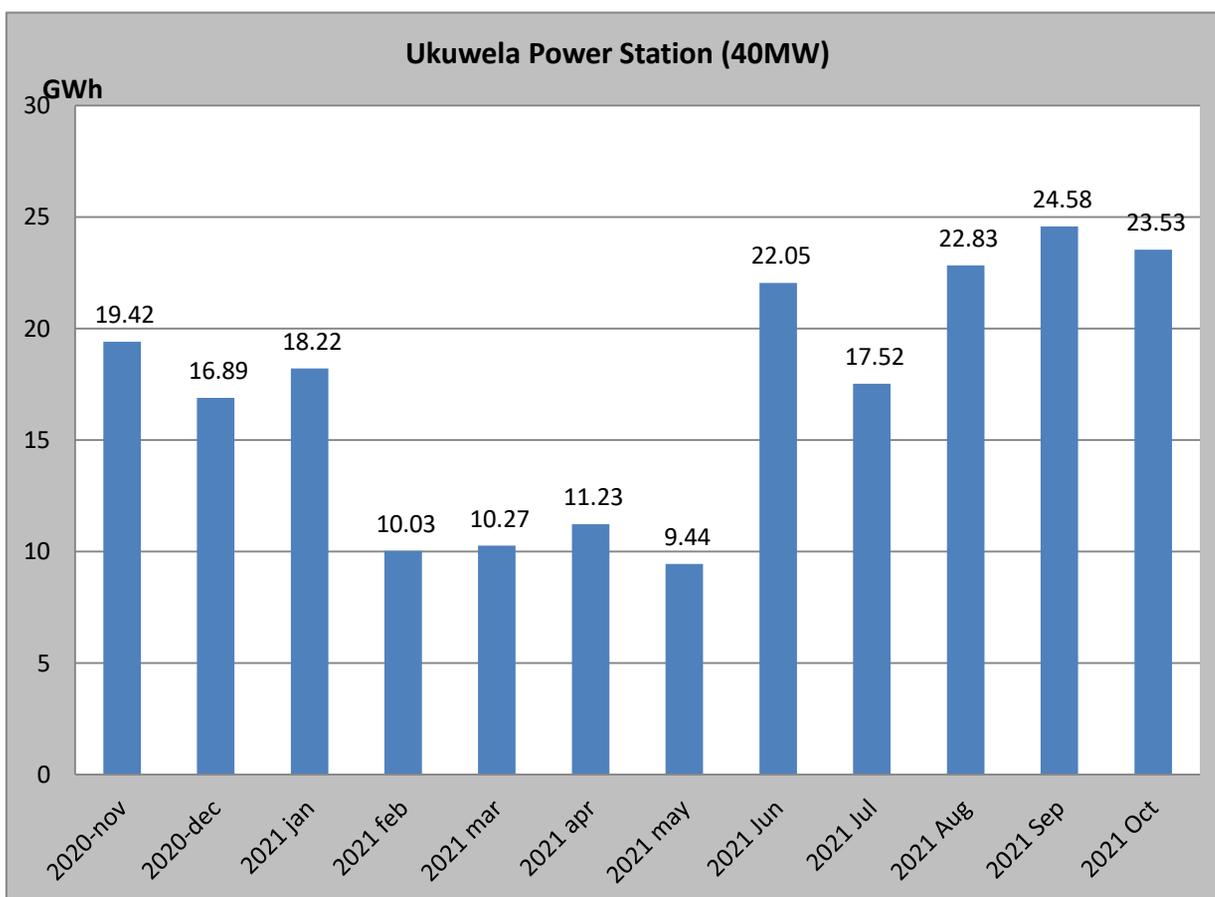
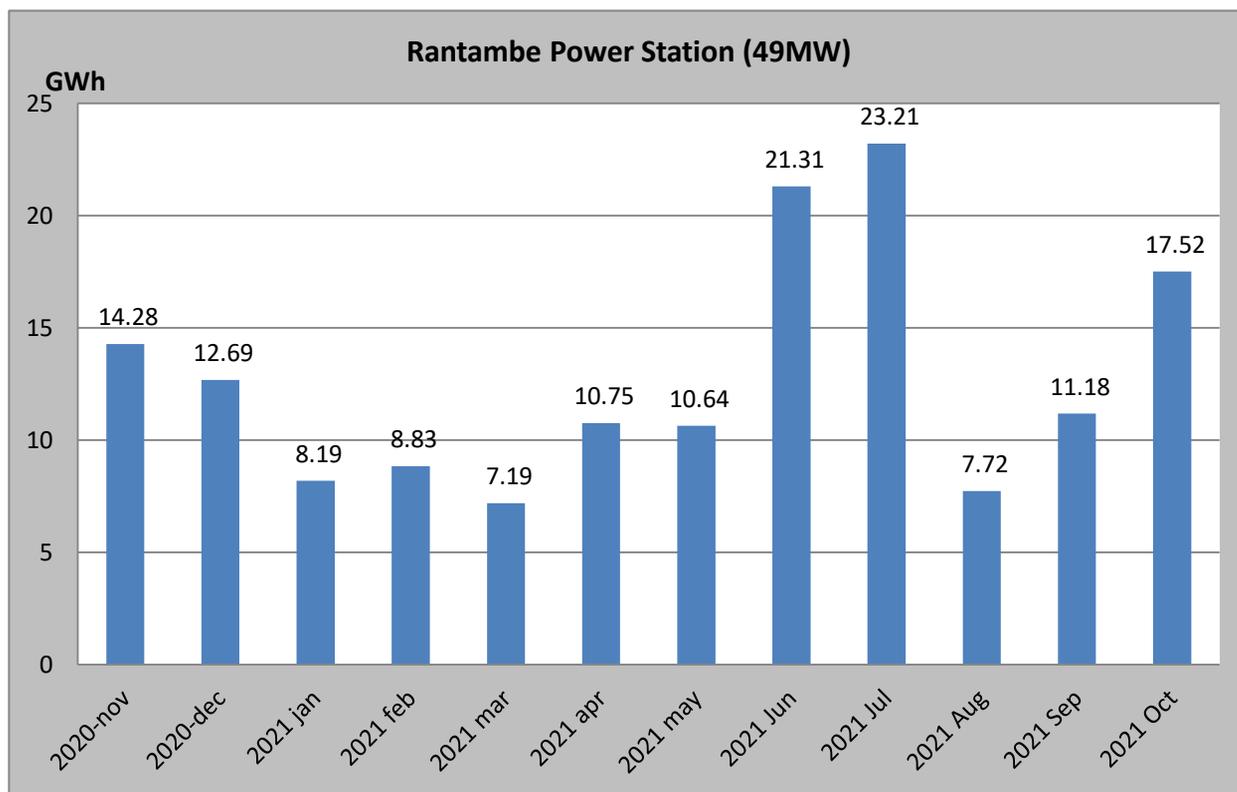
2.3 Generation of Major Power Plants During the current year

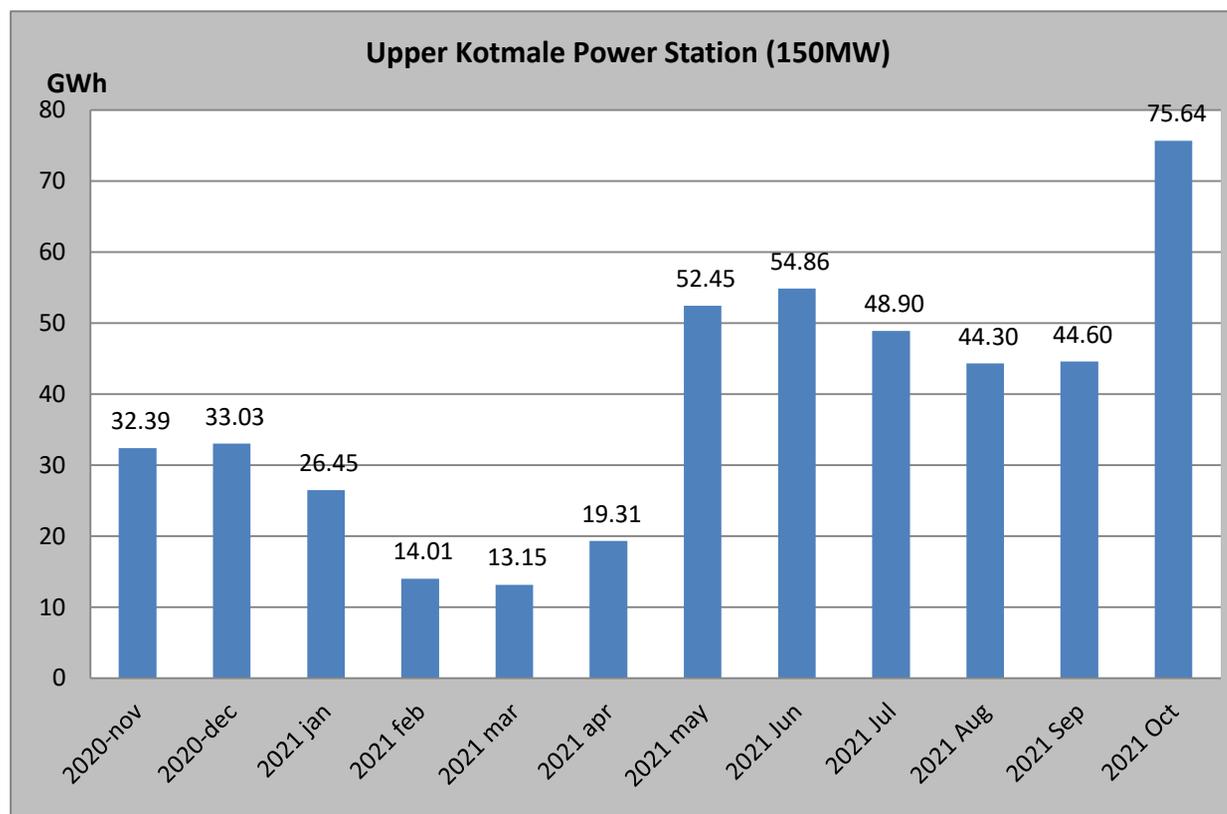
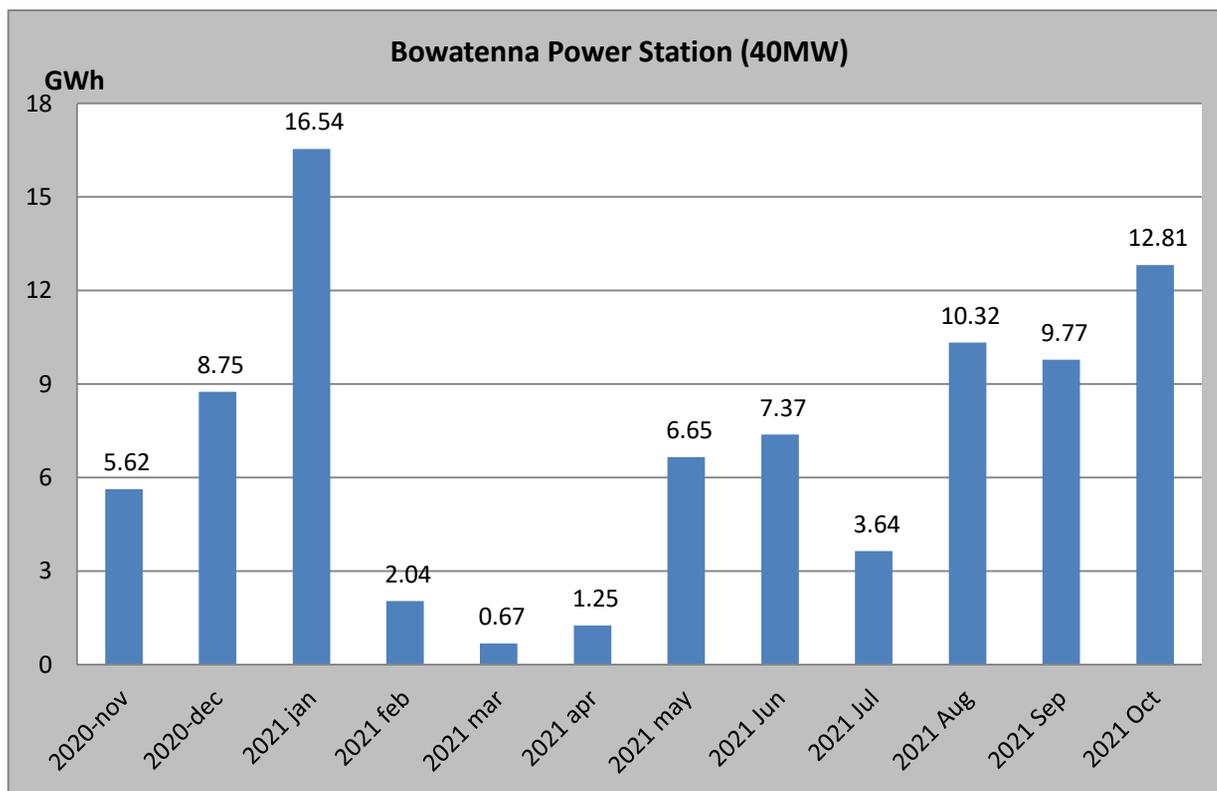


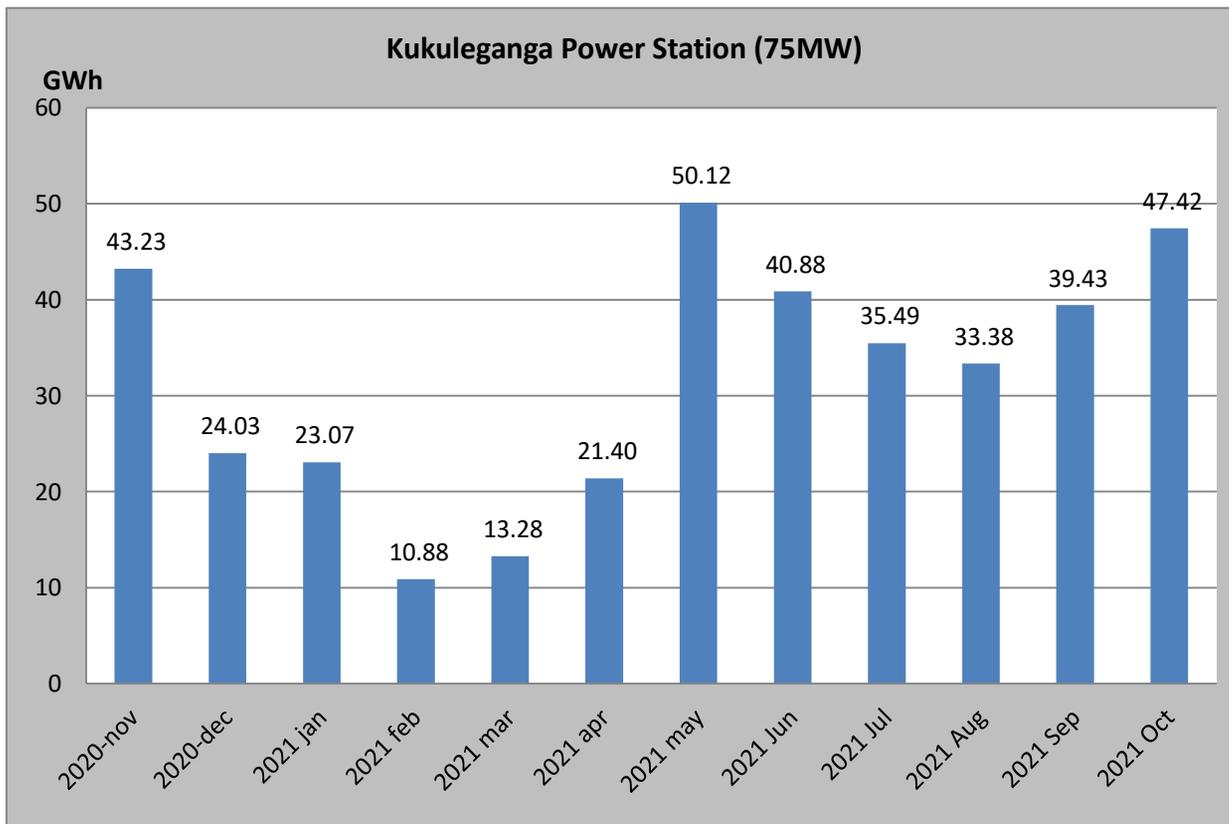
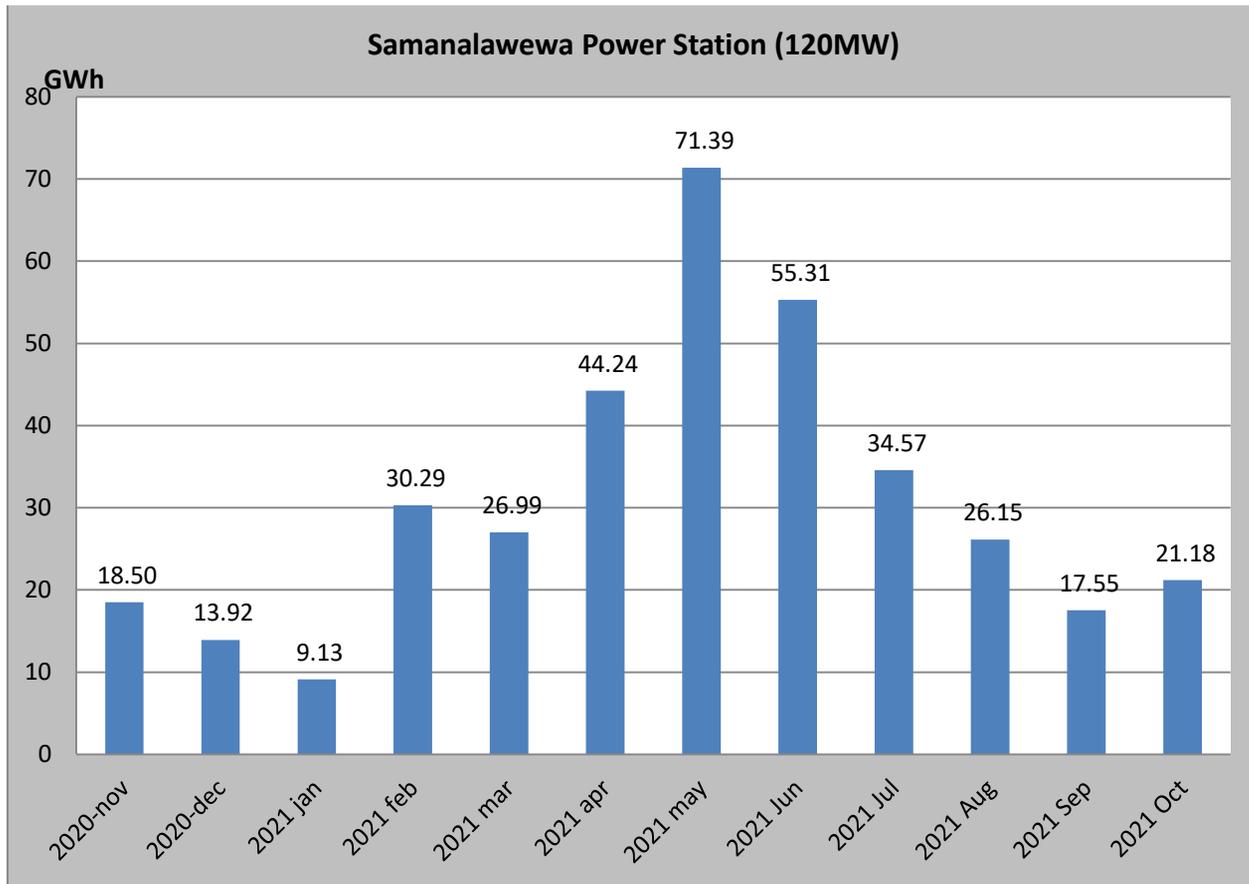


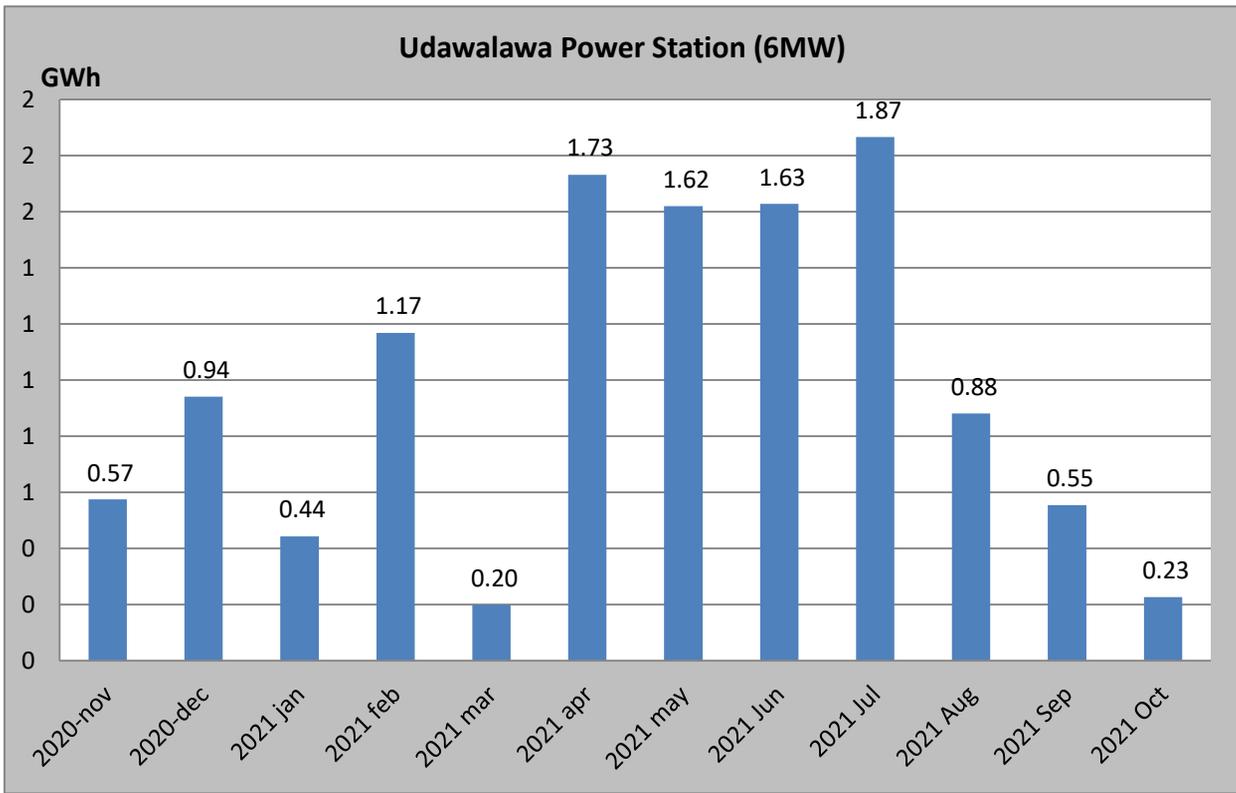
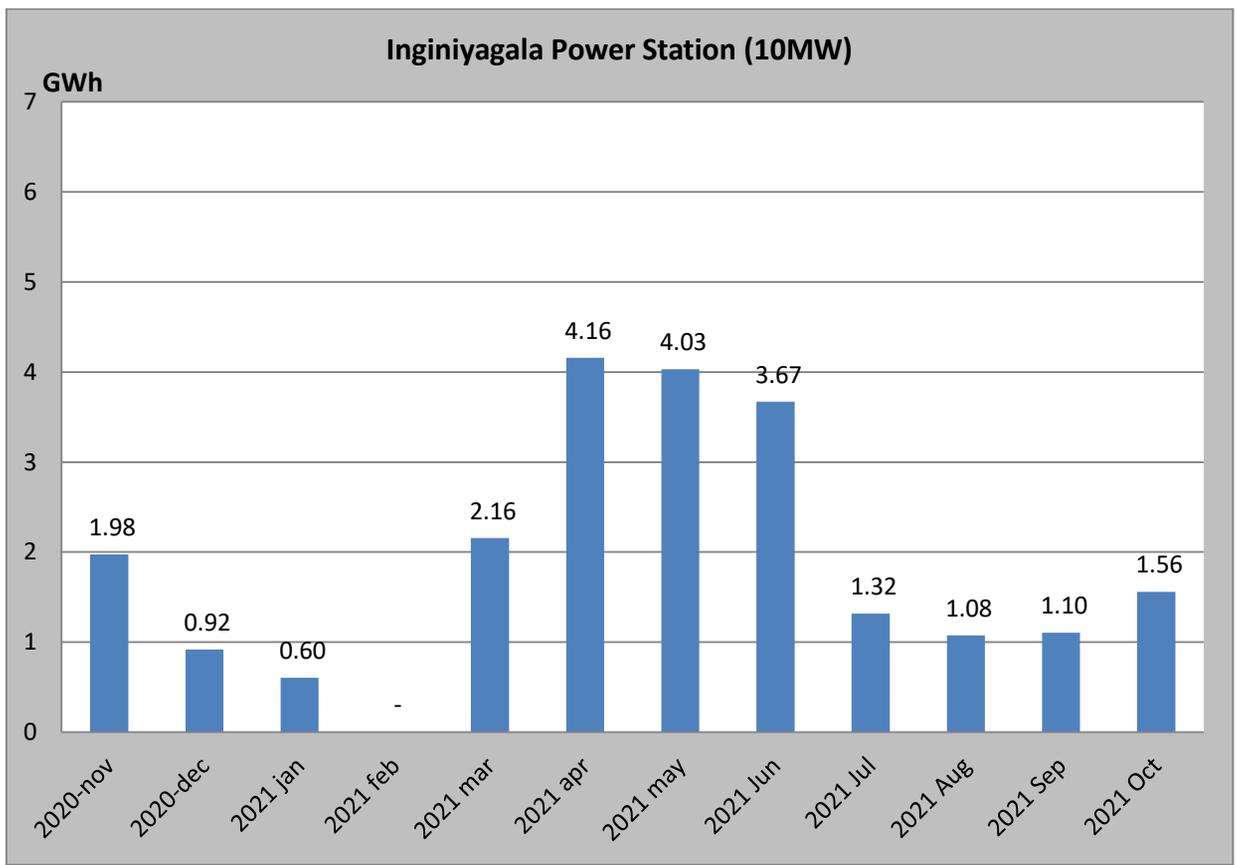


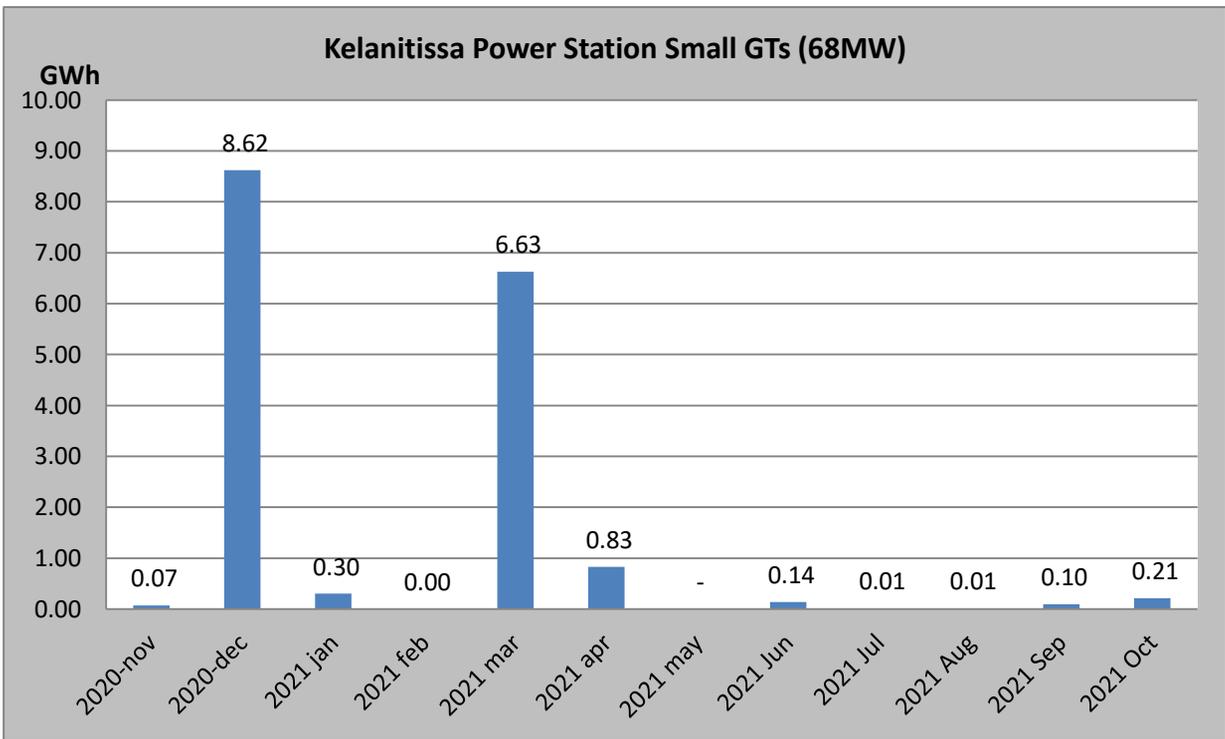
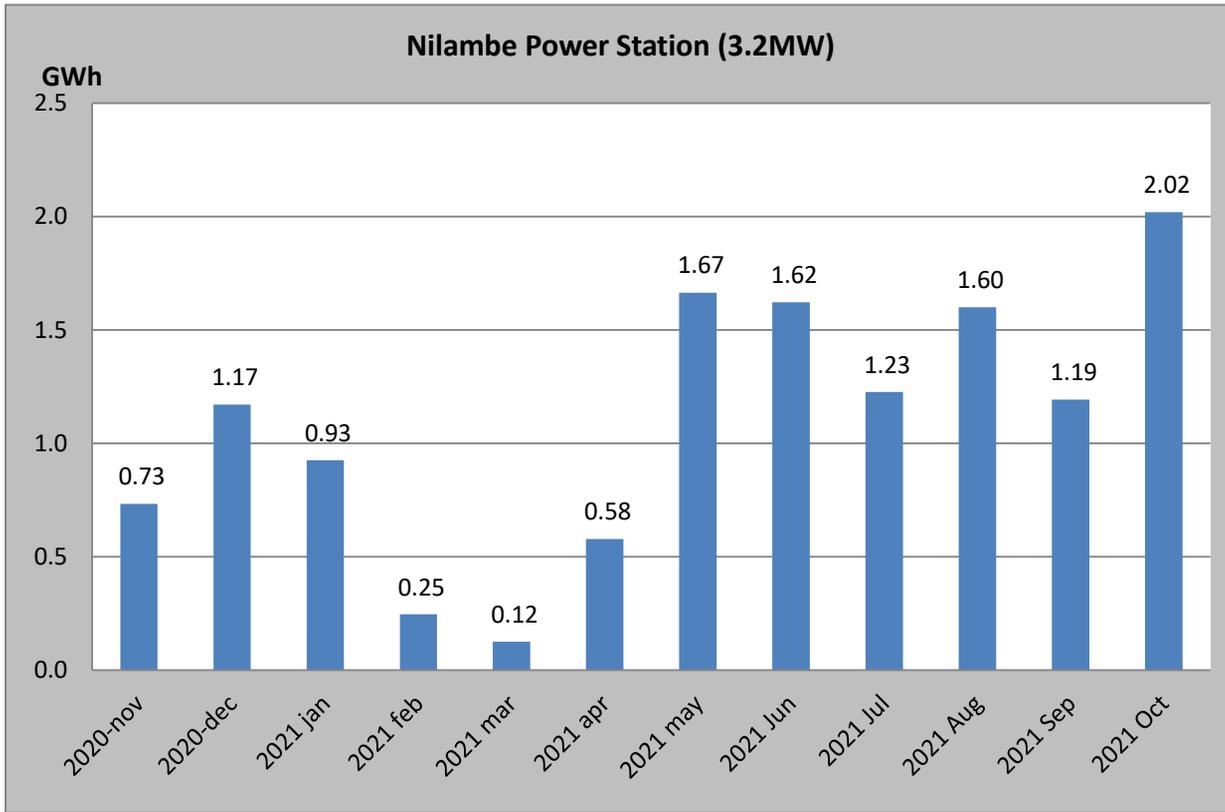


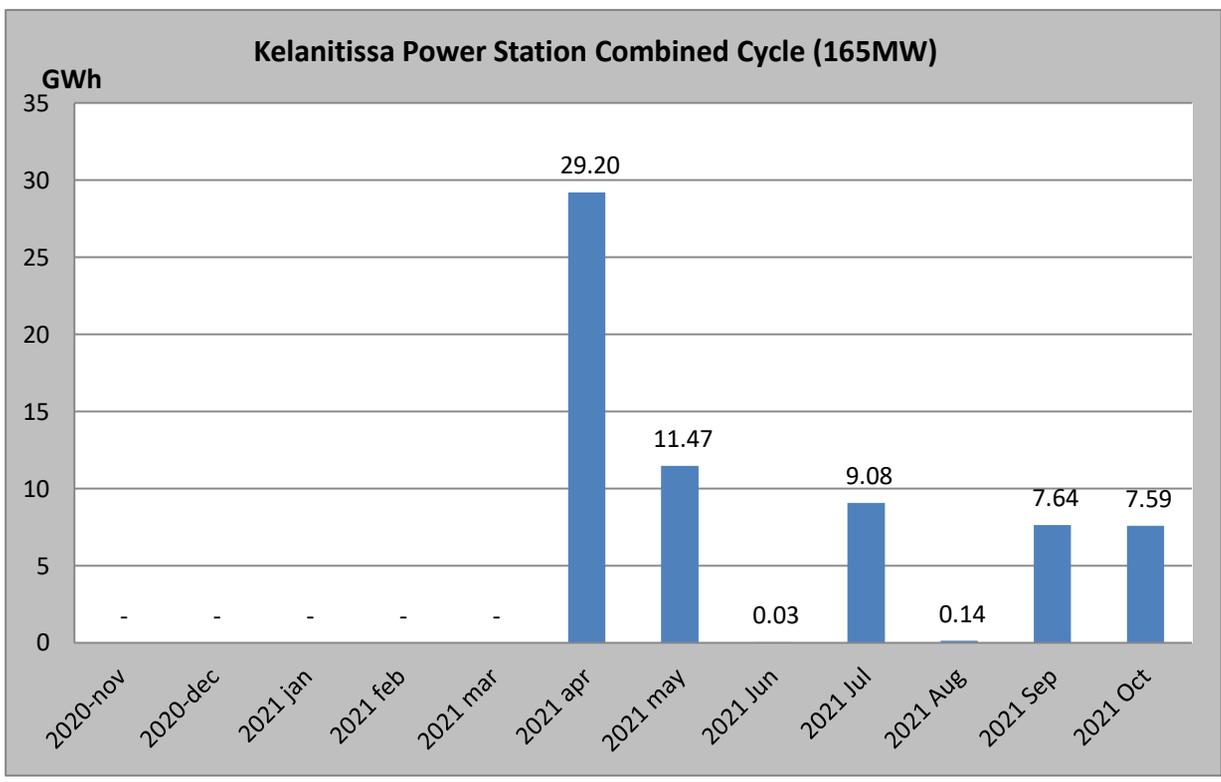
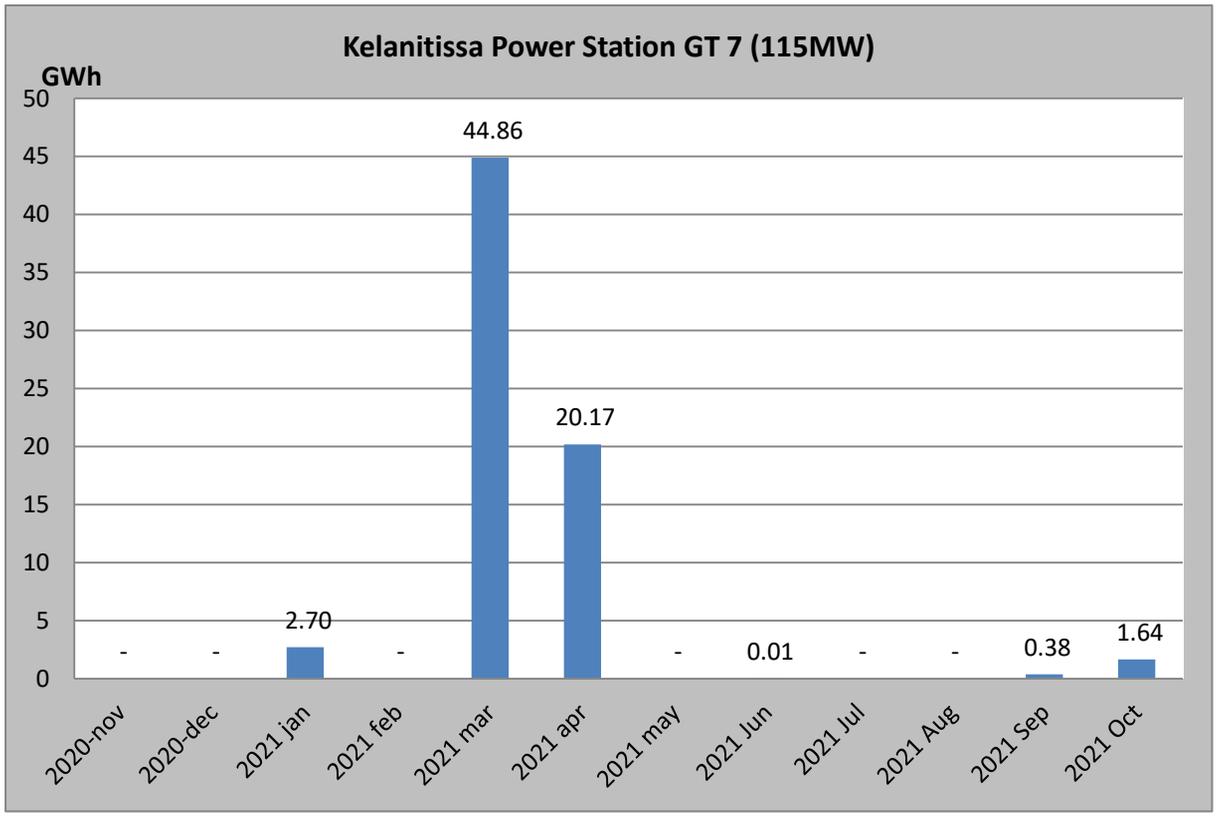


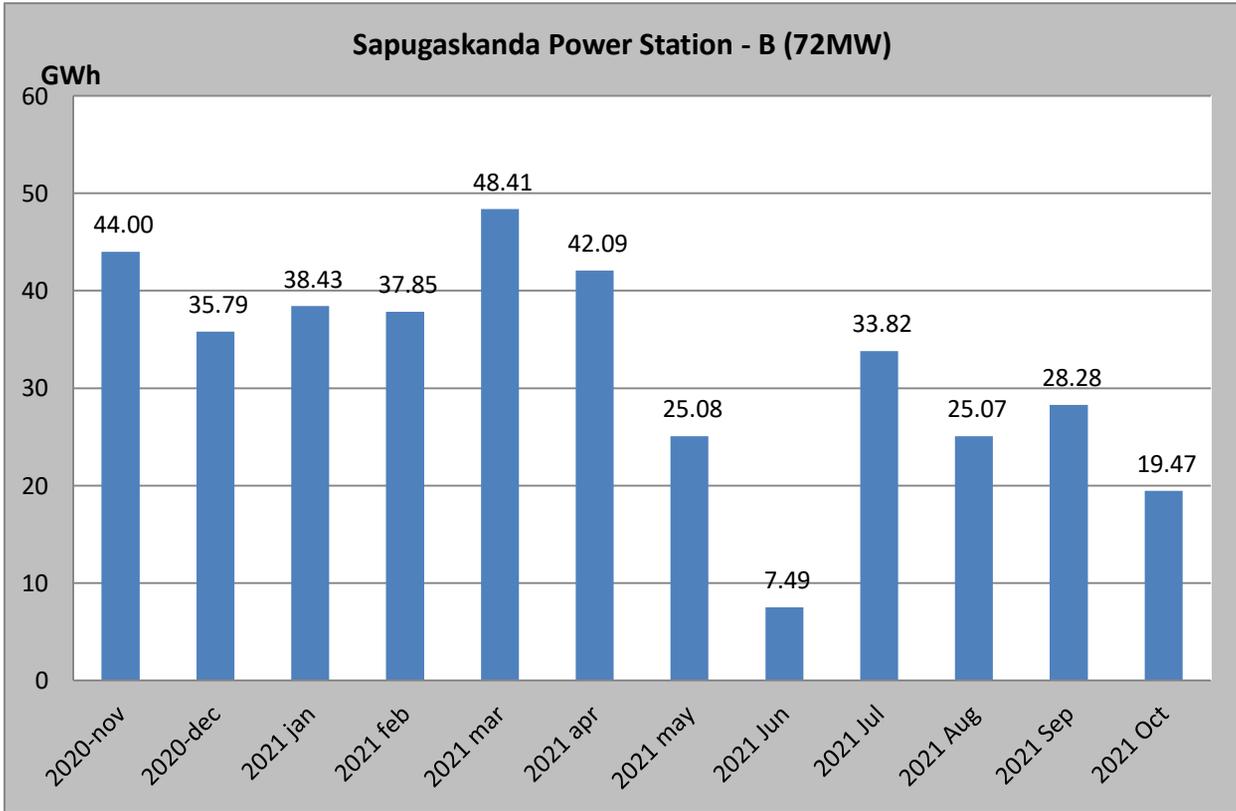
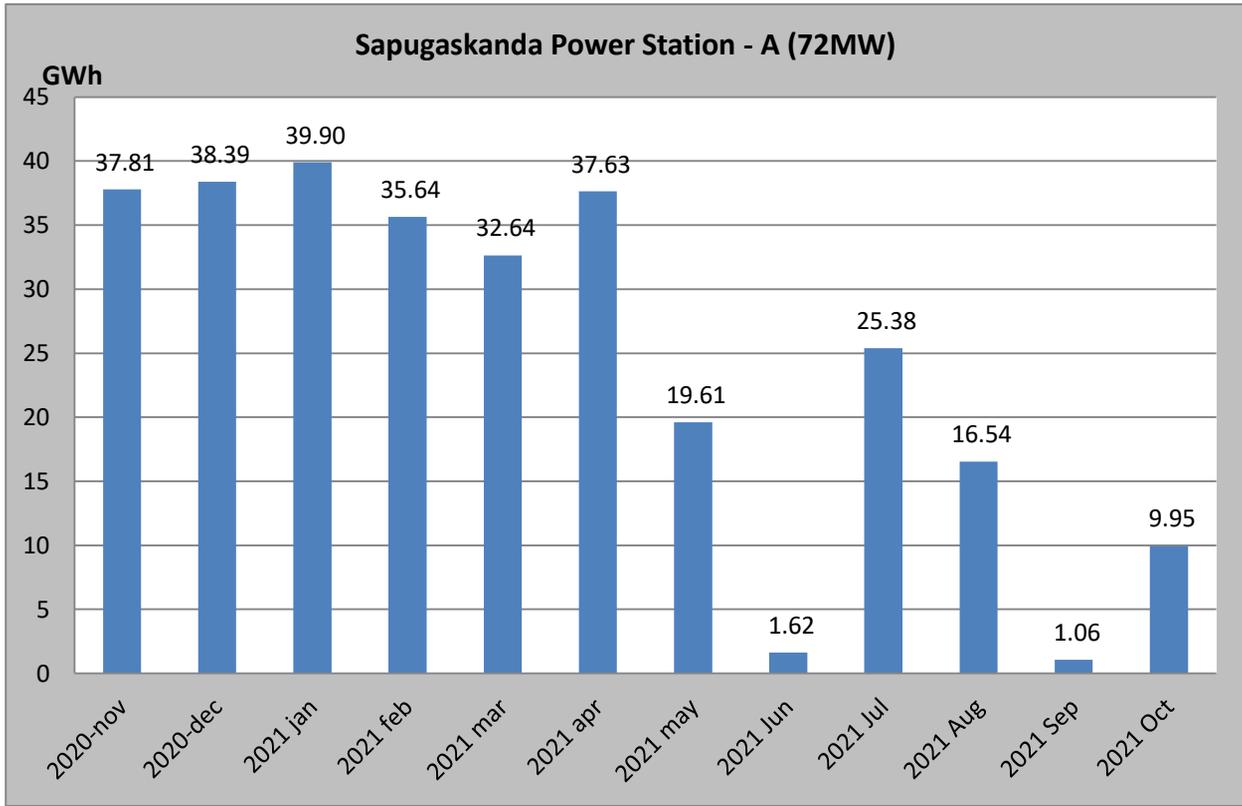


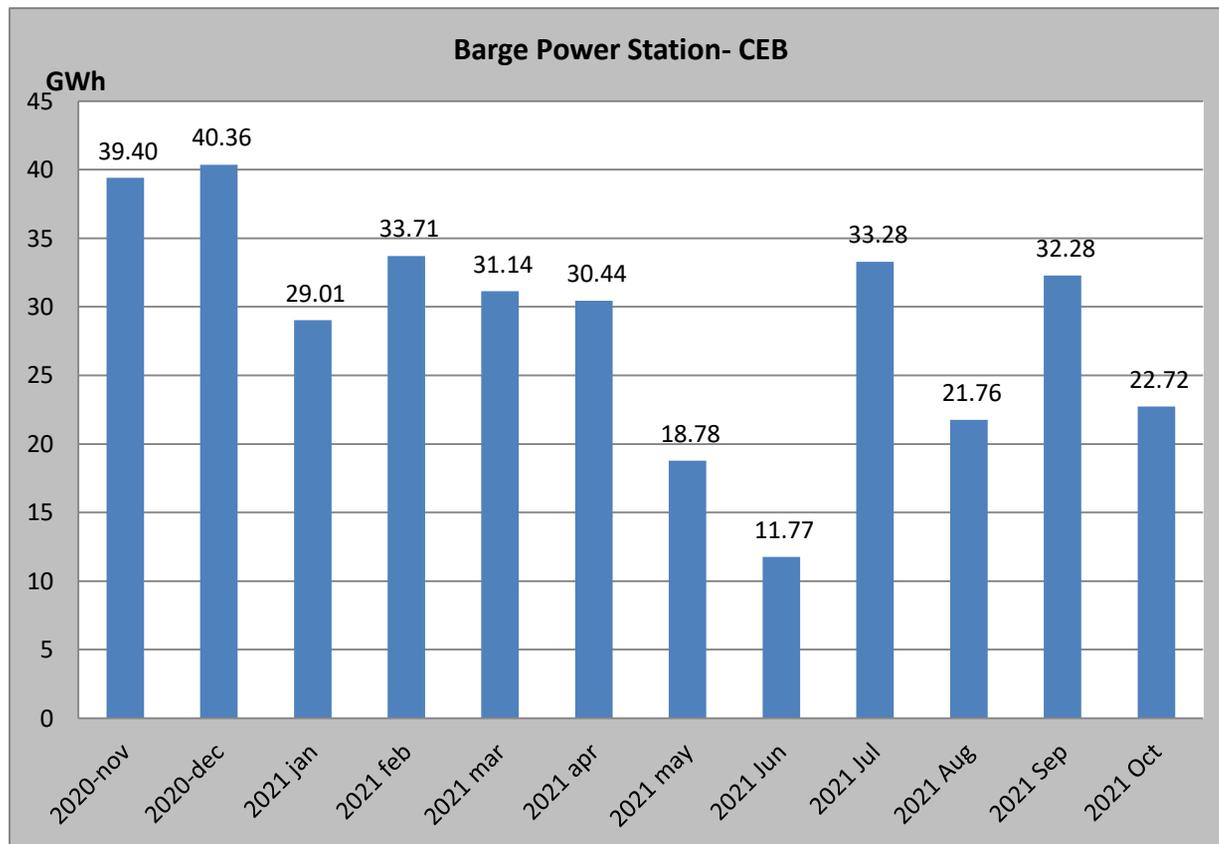
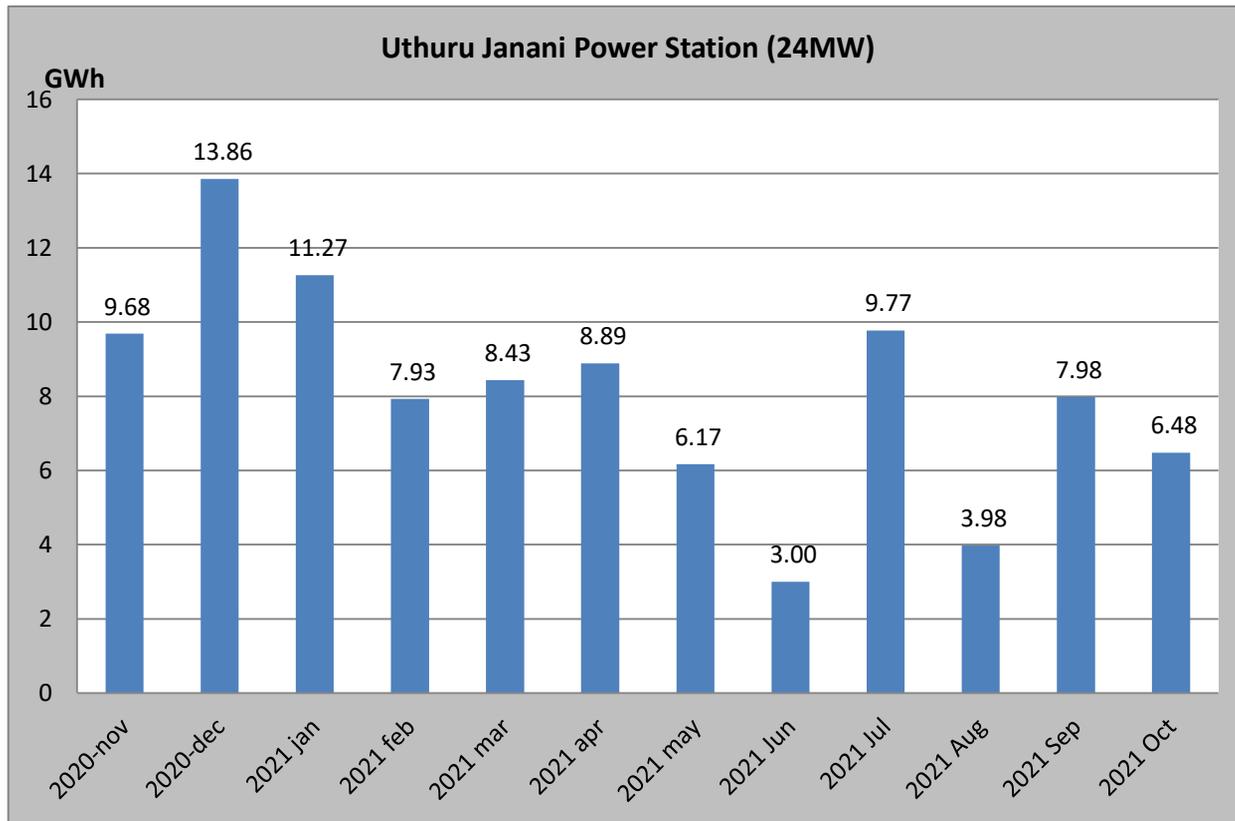


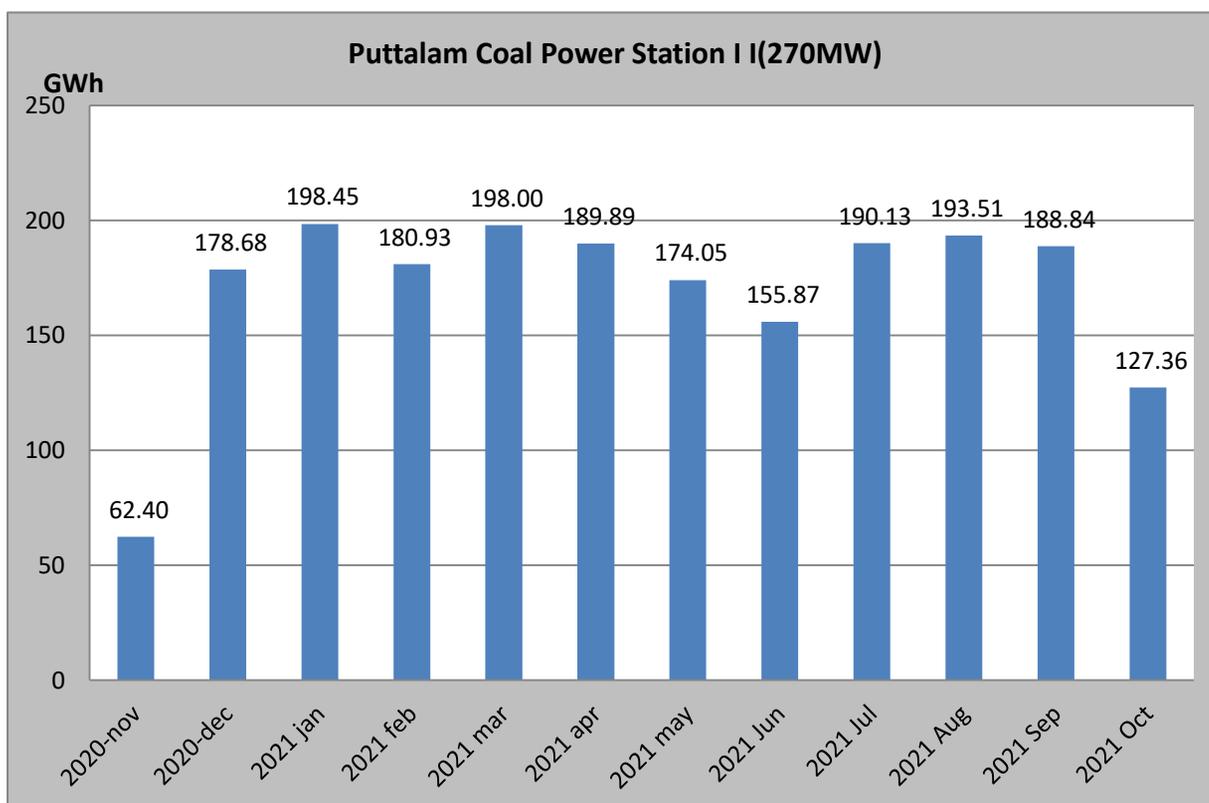
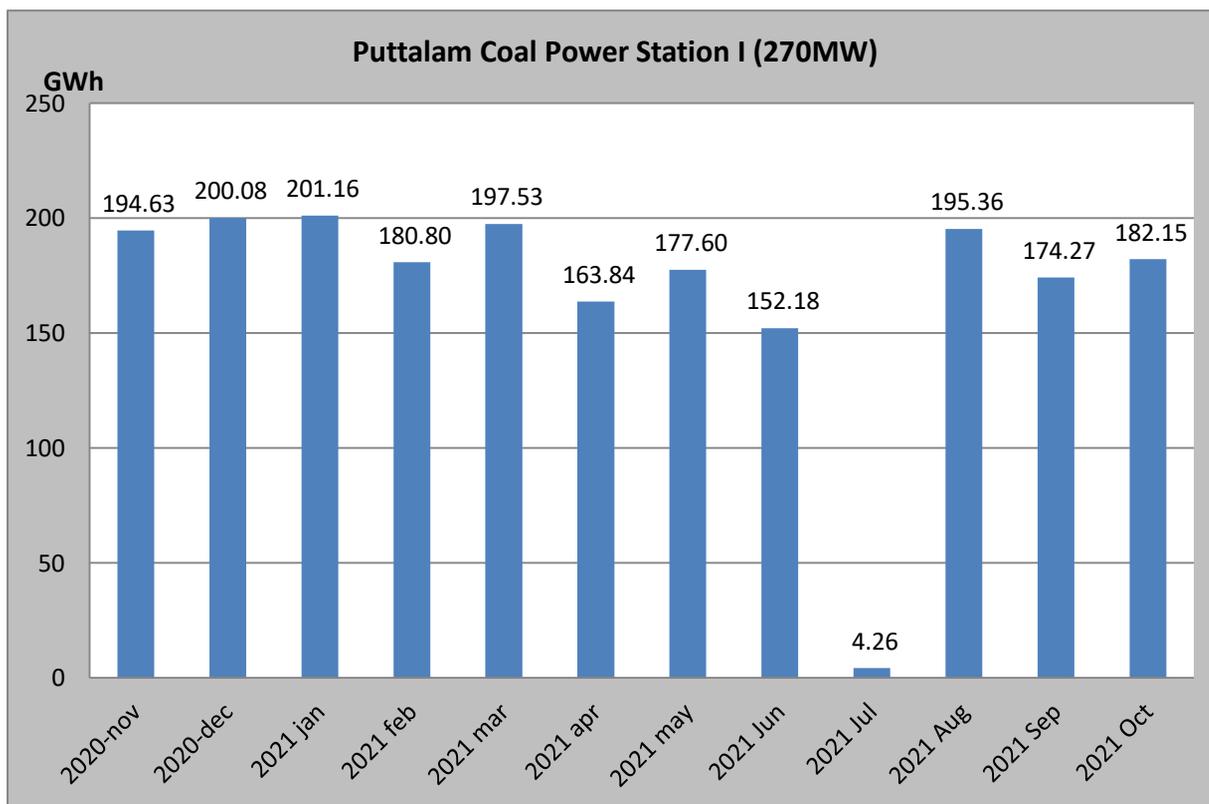


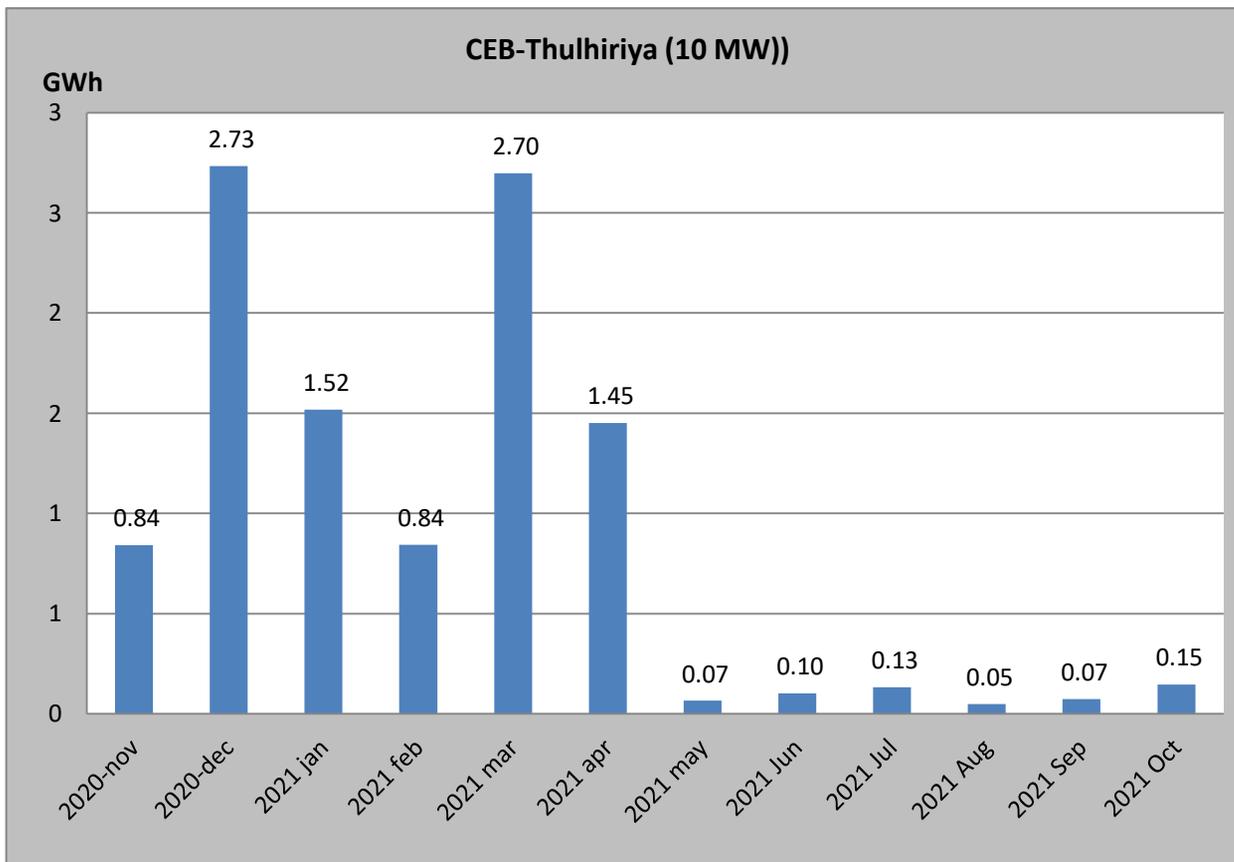
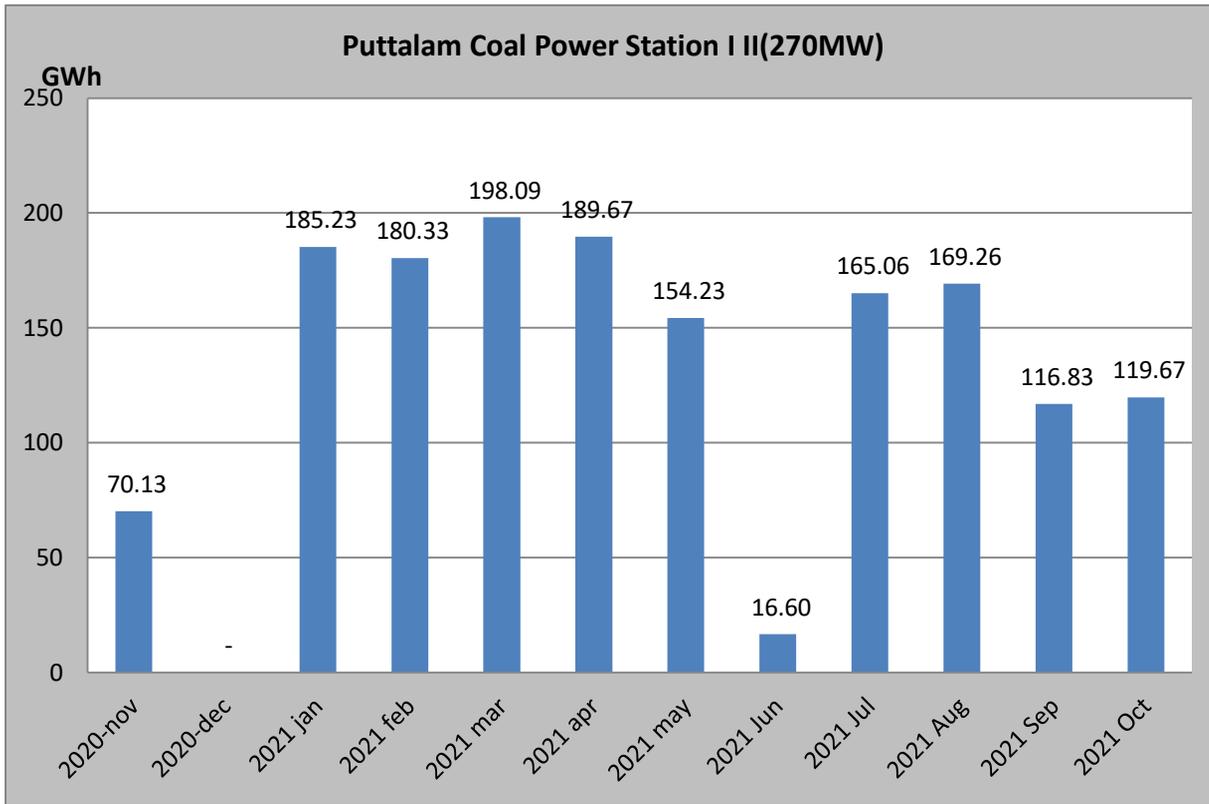


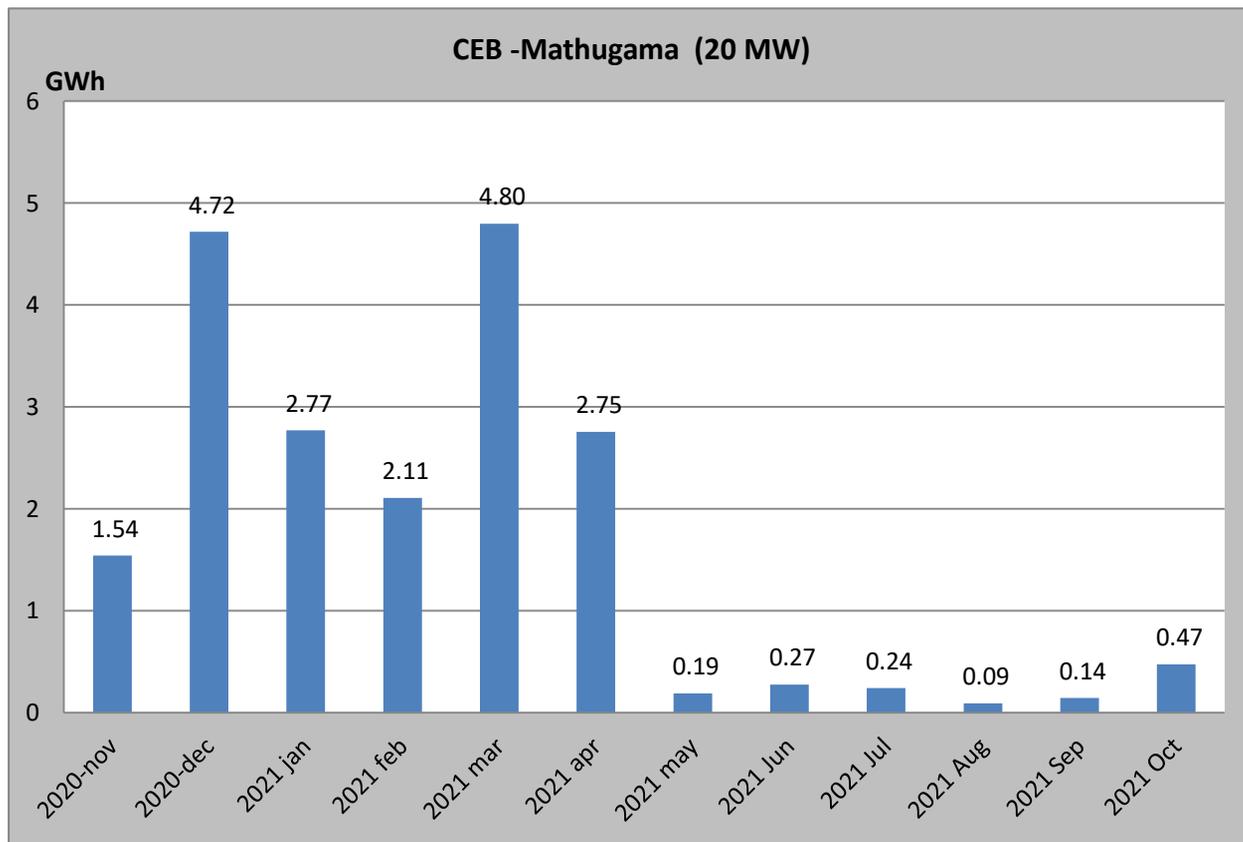
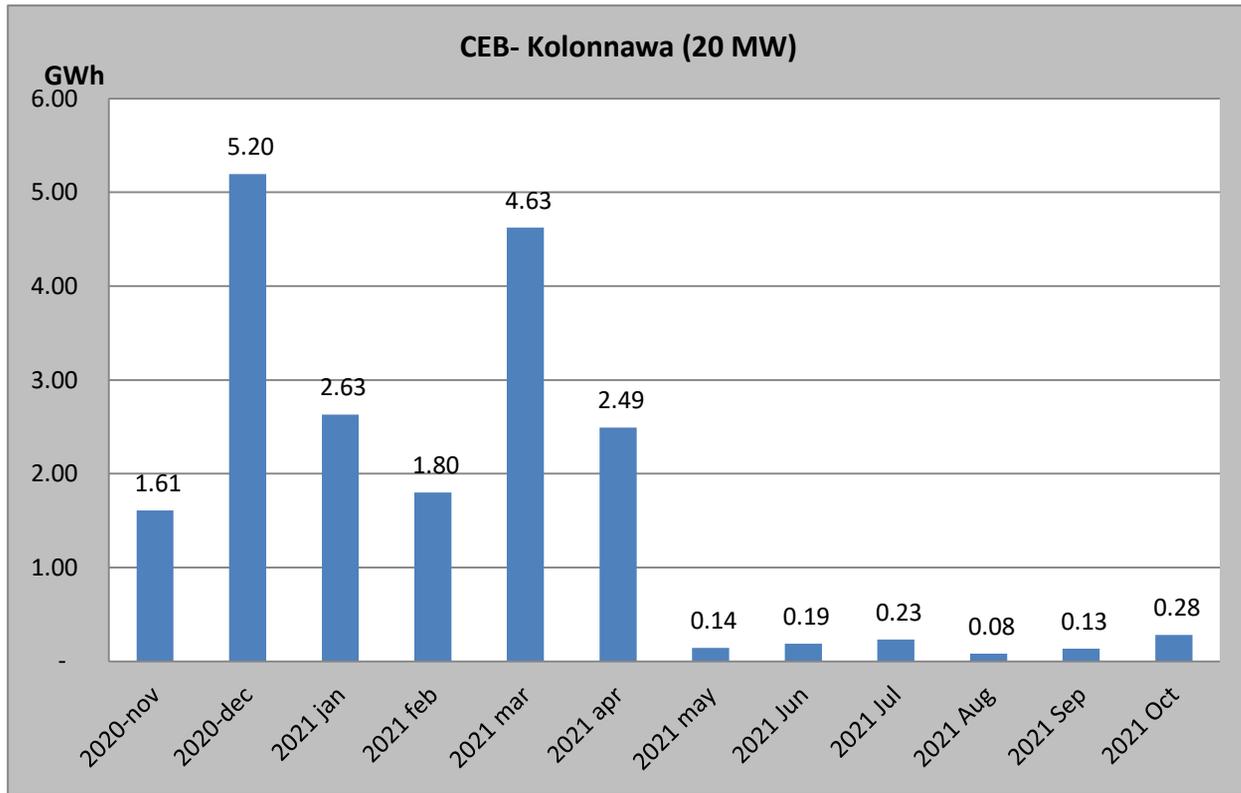






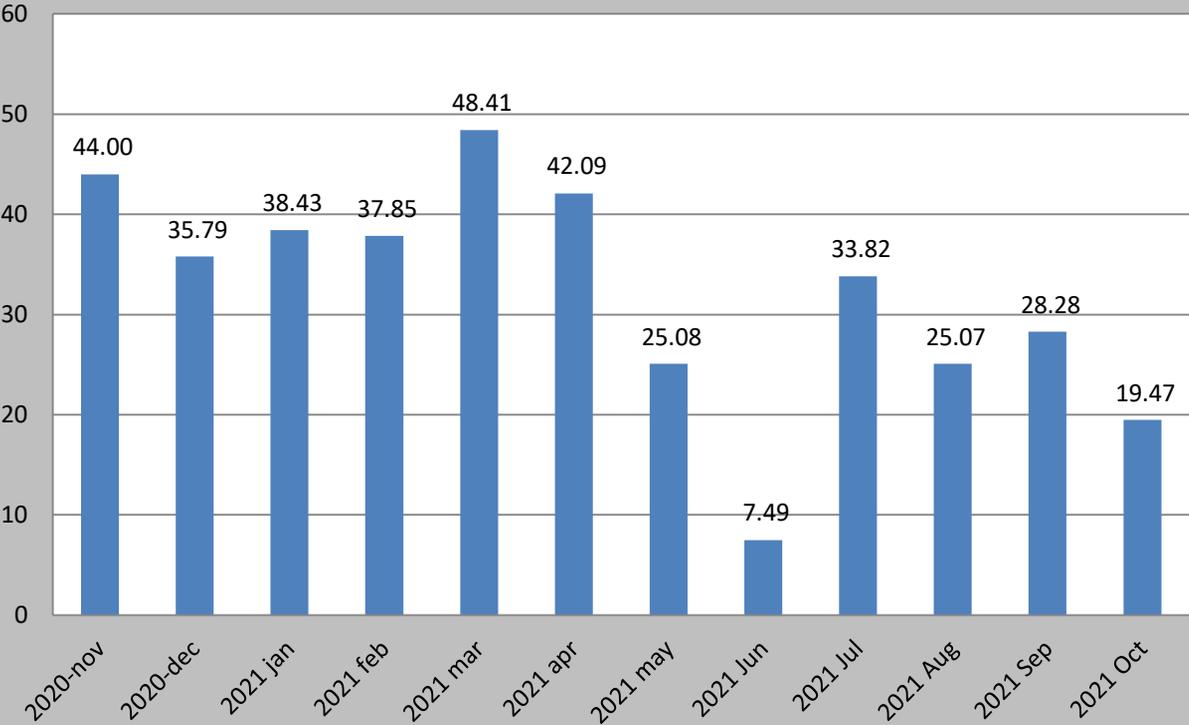


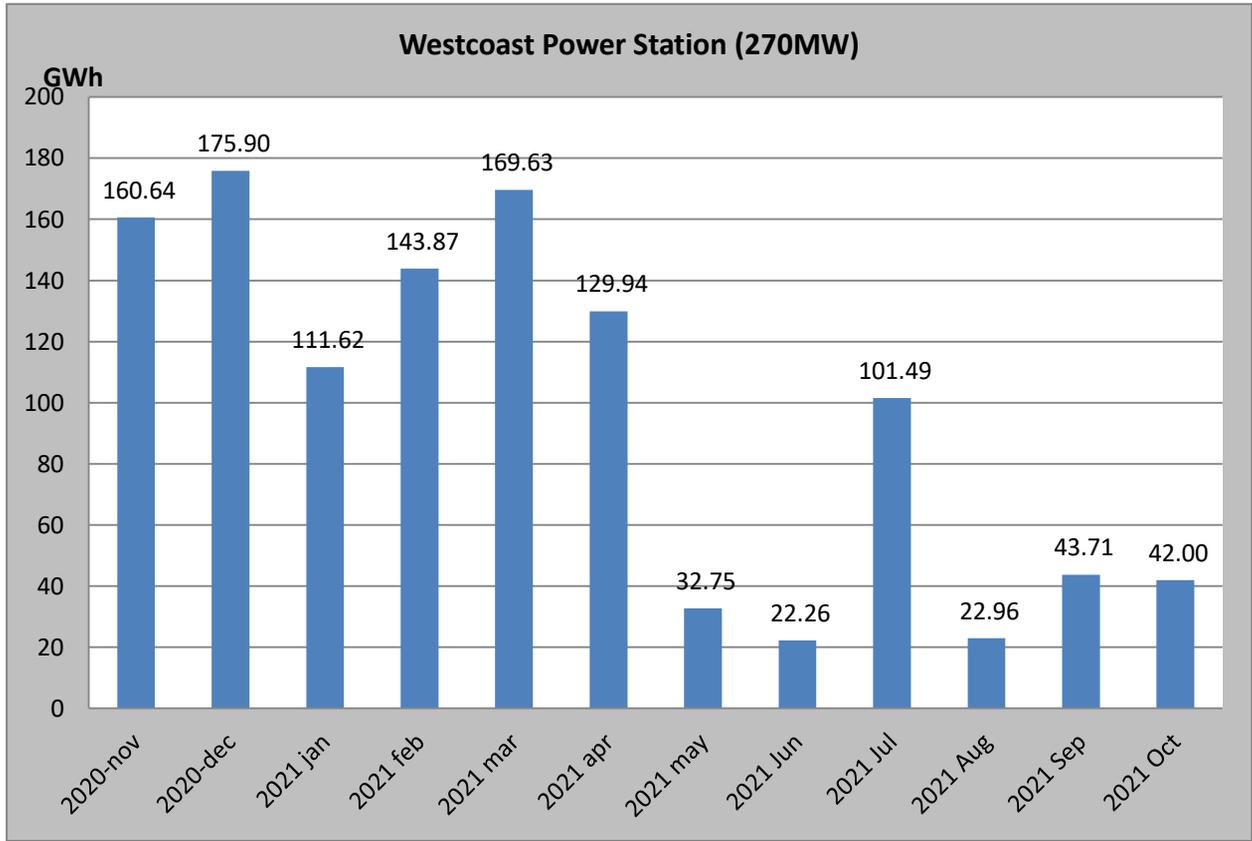
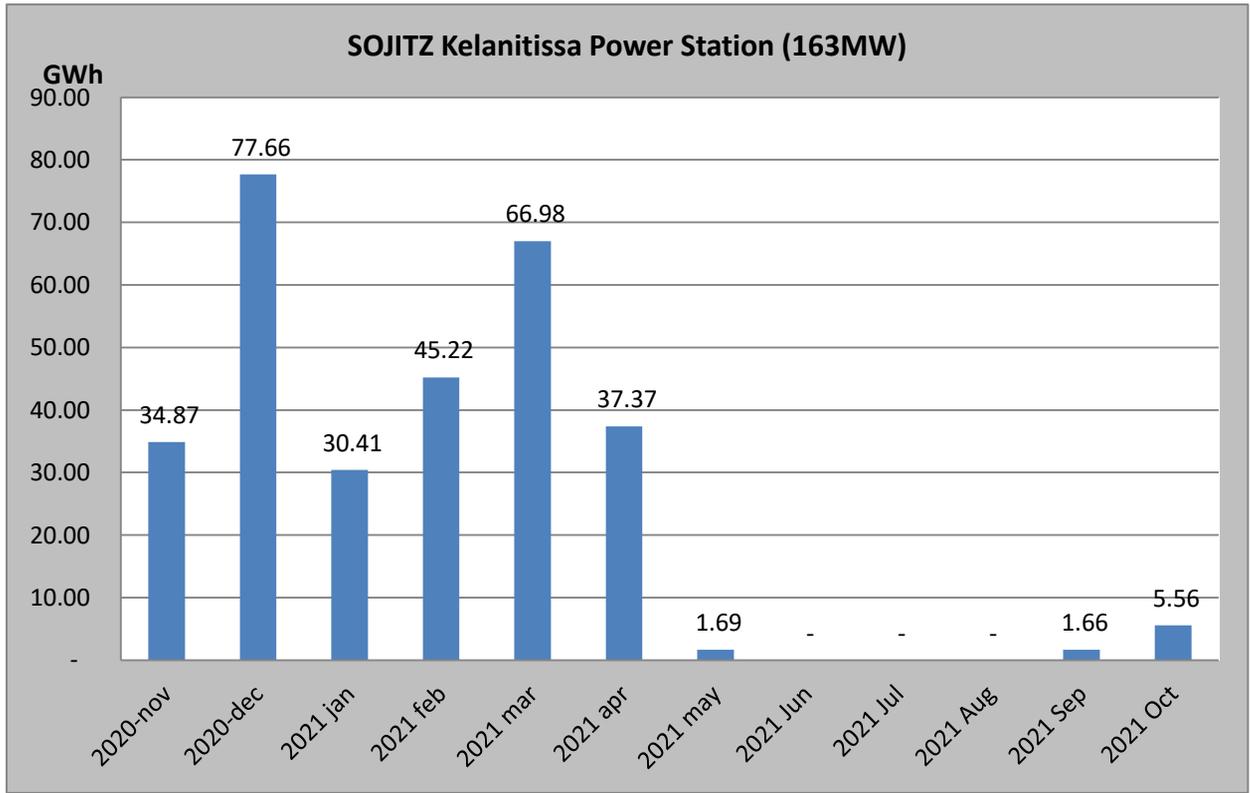


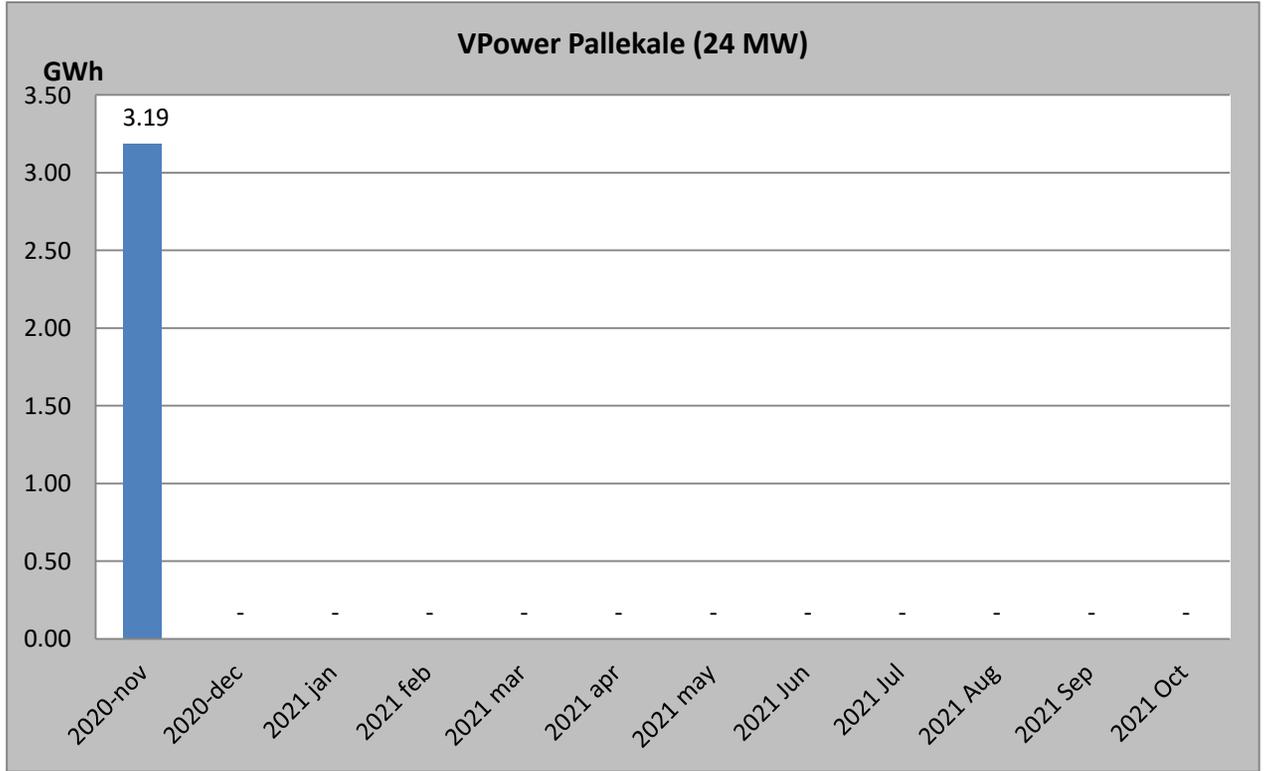
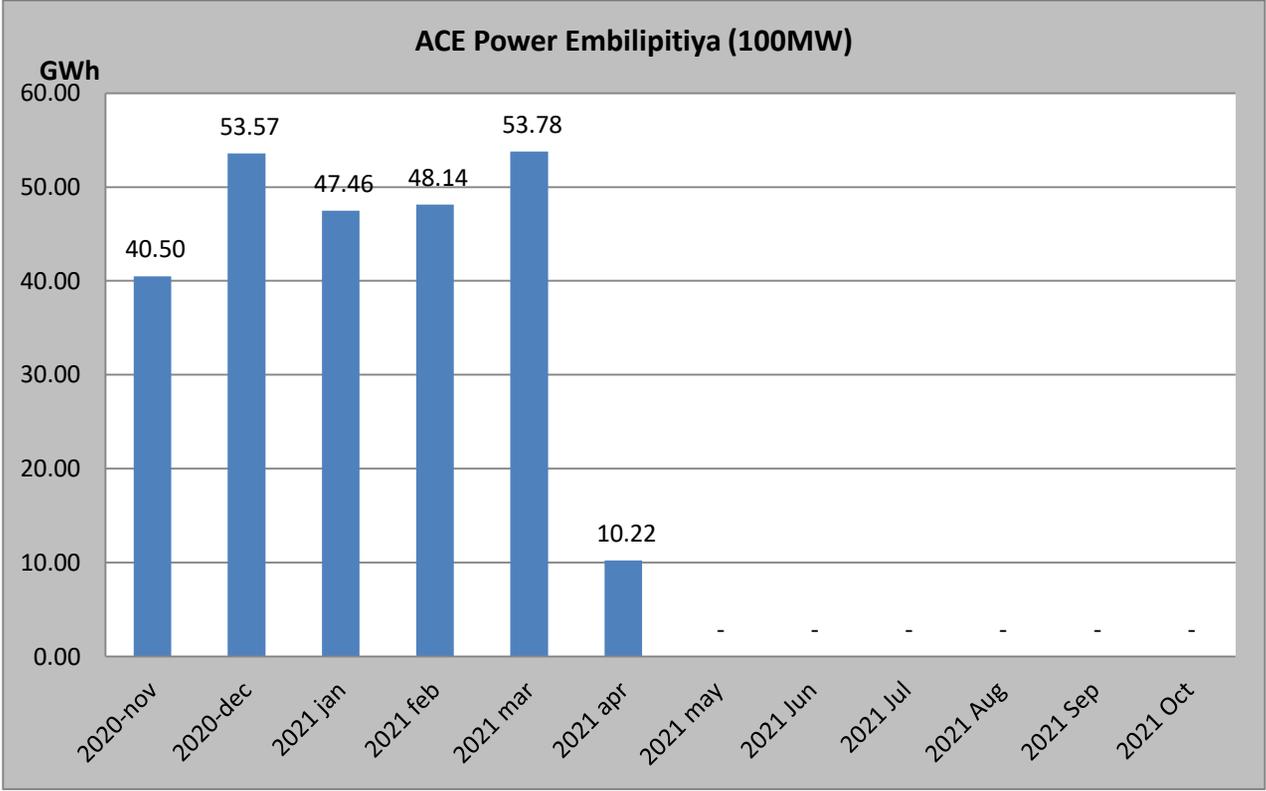


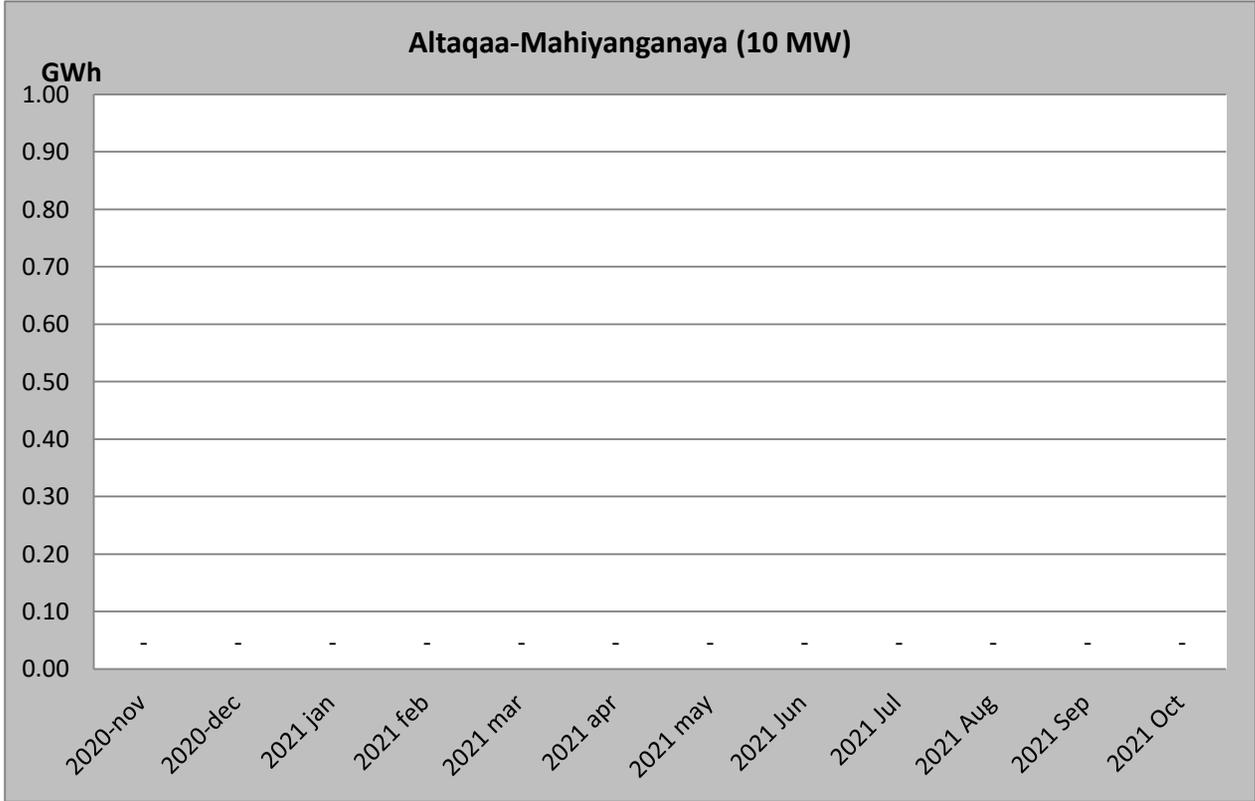
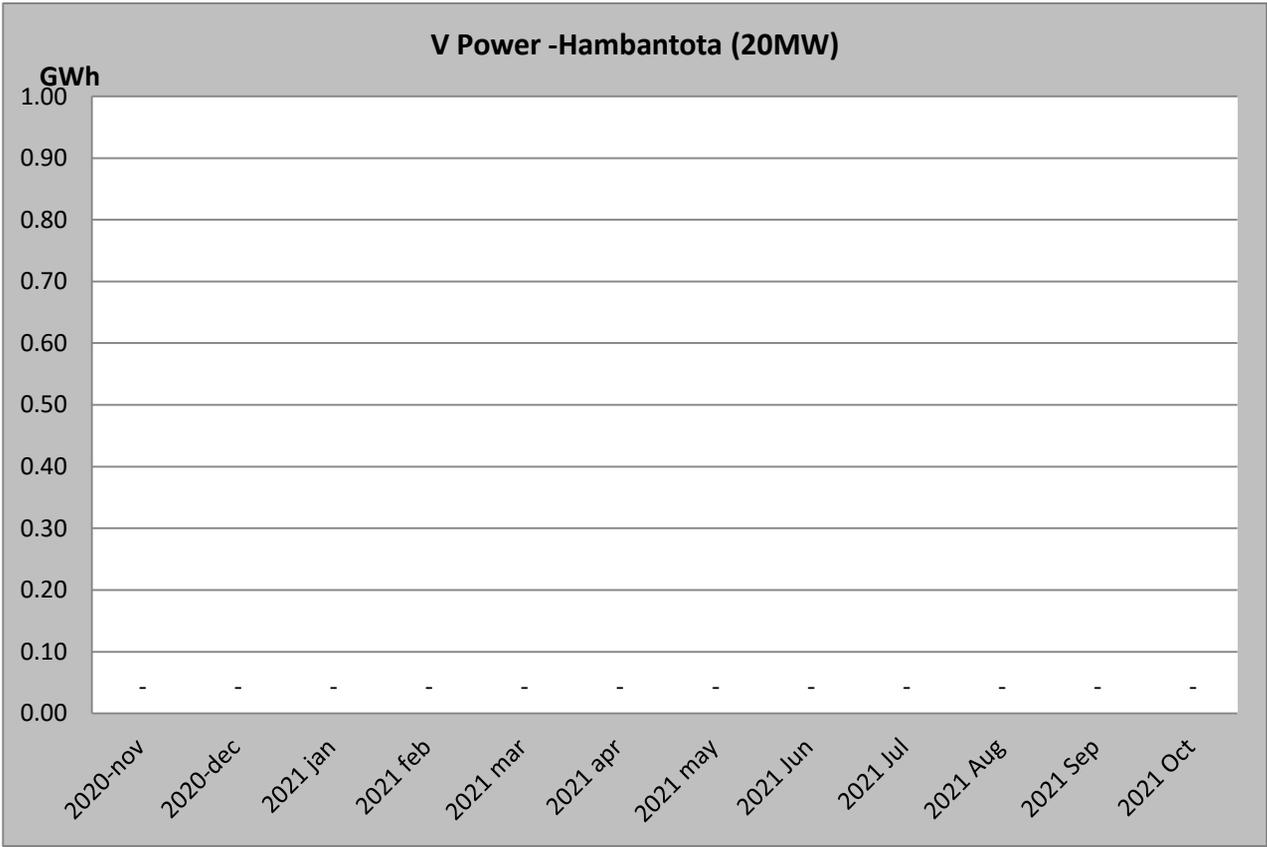
Asia Power Power Station(51MW)

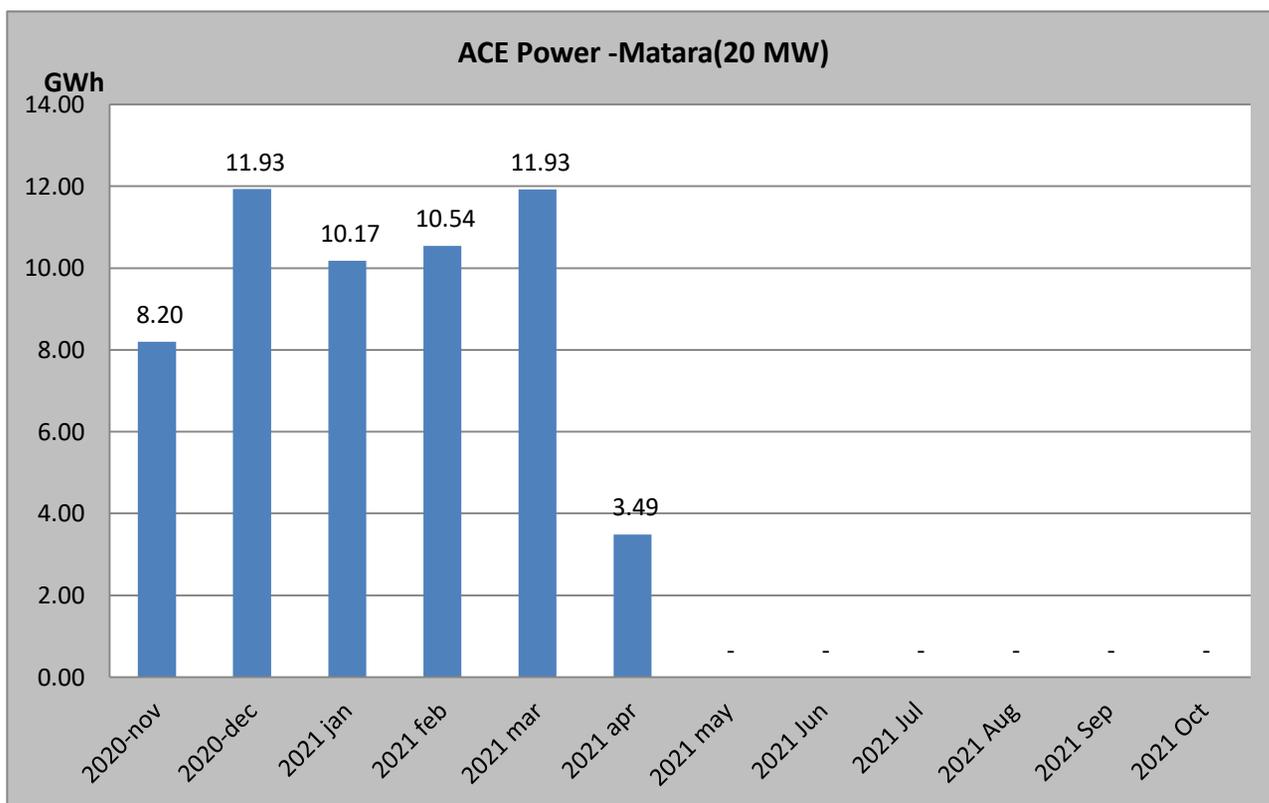
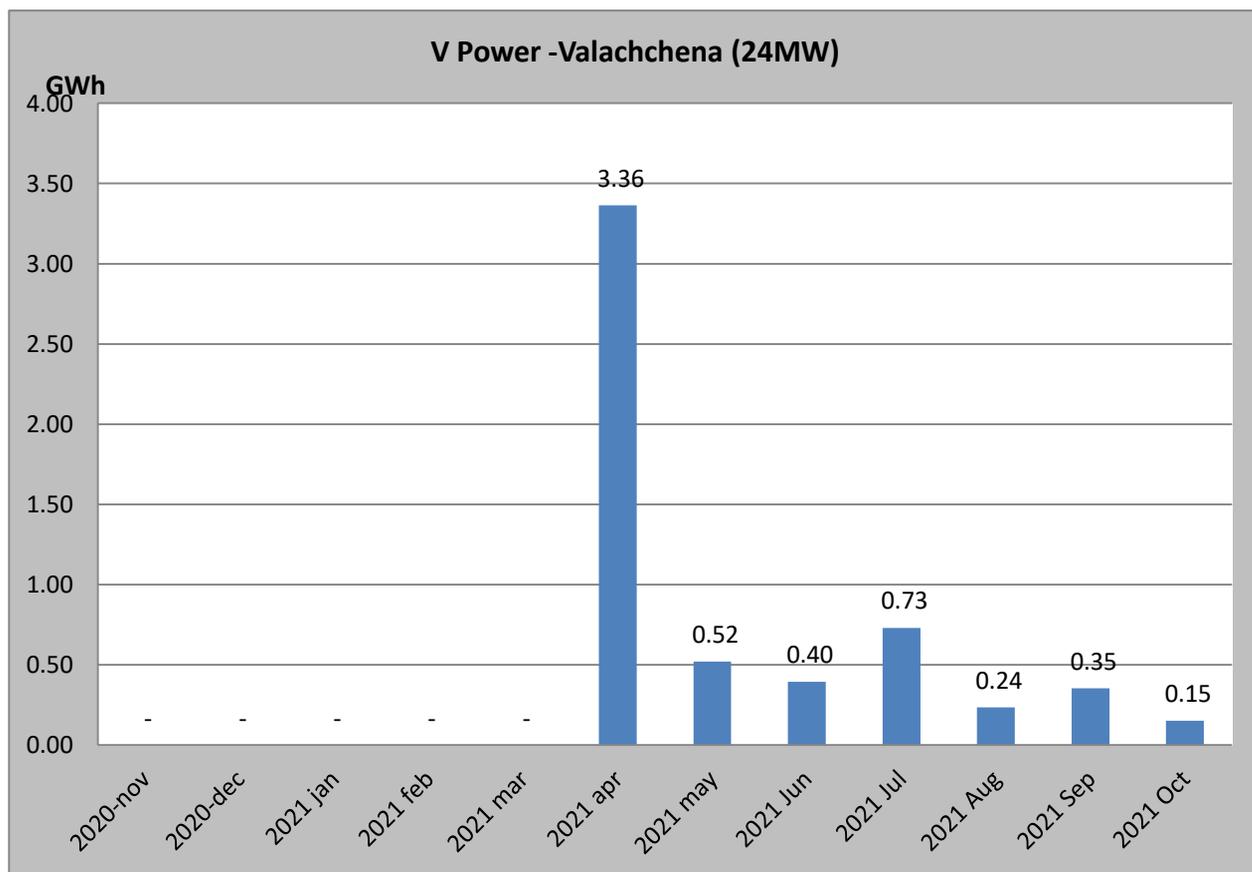
GWh











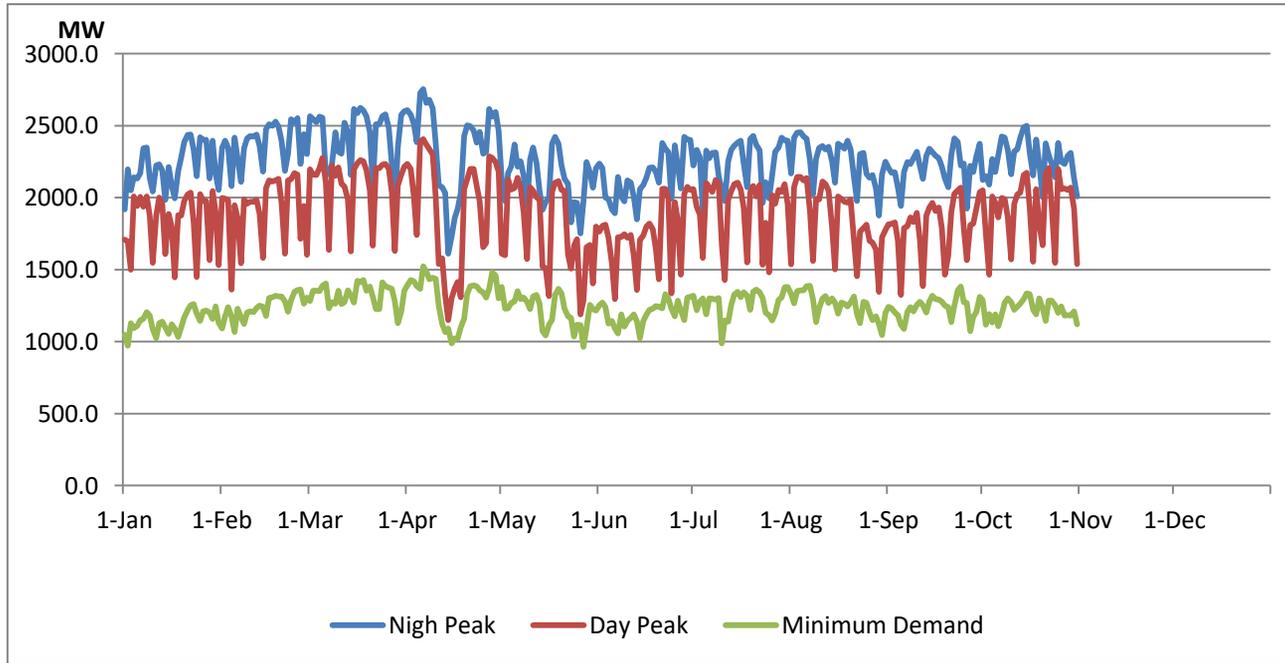
3 Peak Demand

During the month;

Highest Peak Demand	2,500 MW on	15-Oct
Lowest Peak Demand	2,003 MW on	20-Oct
Highest Day Peak Demand	2,206 MW on	22-Oct
Minimum Demand	1,106 MW on	6-Oct

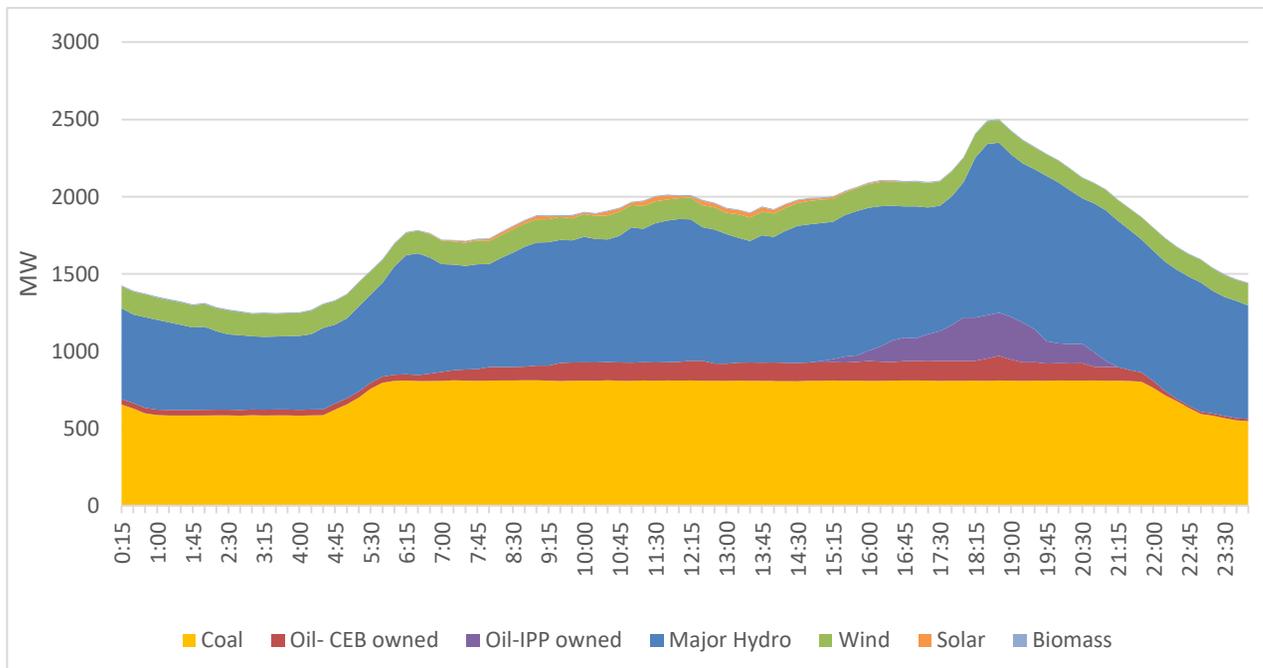
*Demand figures are excluding the contribution from minihydro and biomass plants

3.1 Demand Variation During the year

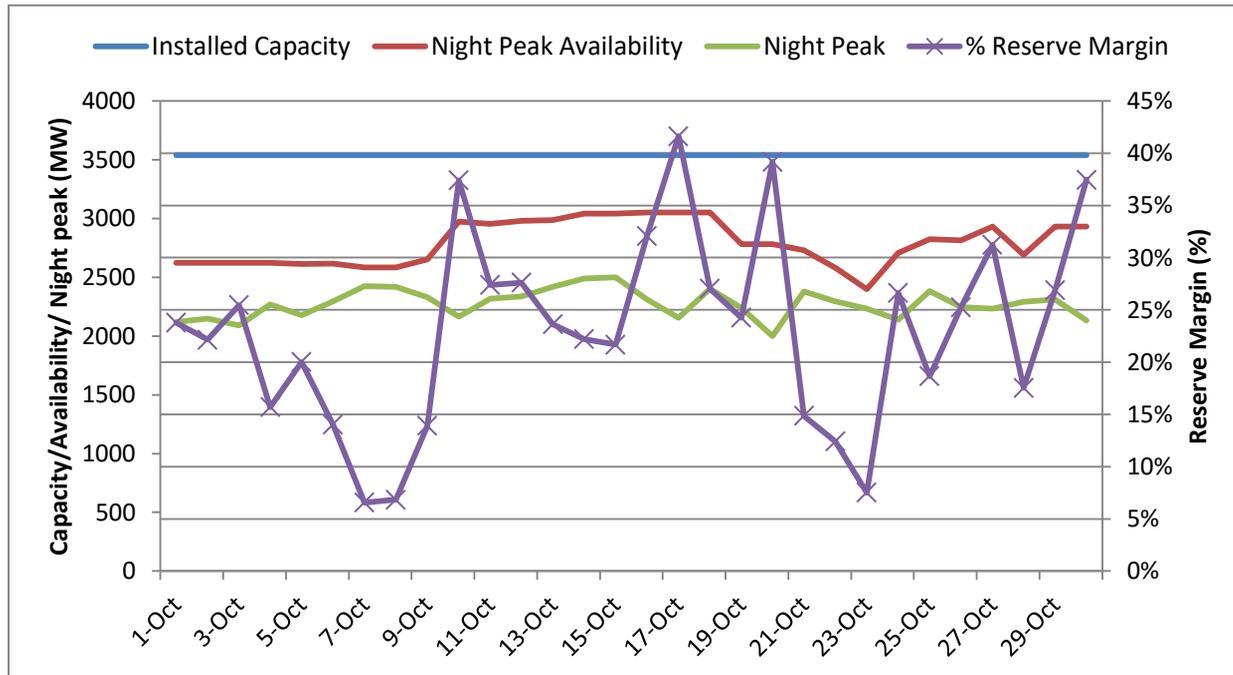


3.2 Load Curve of the Day with Highest Night Peak ,

15-Oct



3.3 Variation of Reserve Margin During Night Peak

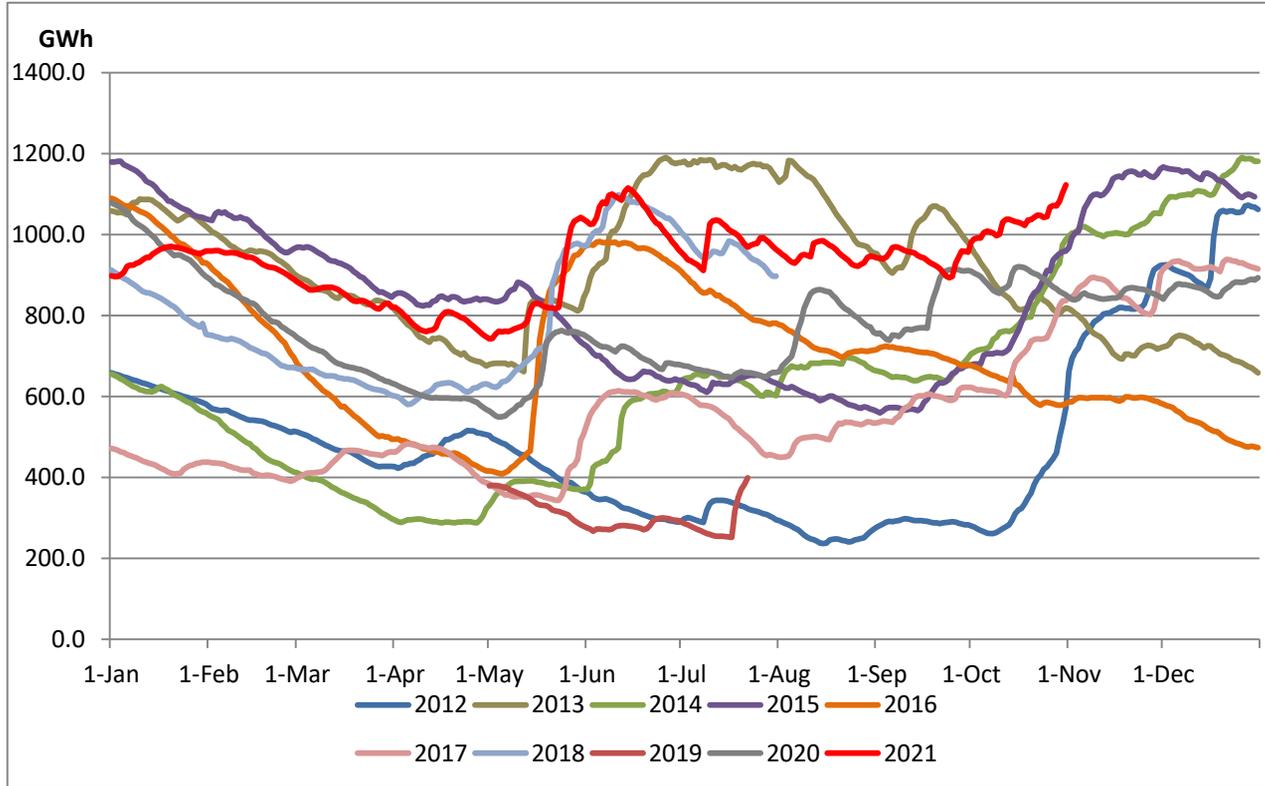


Note: Contribution from NCRE plants is not included

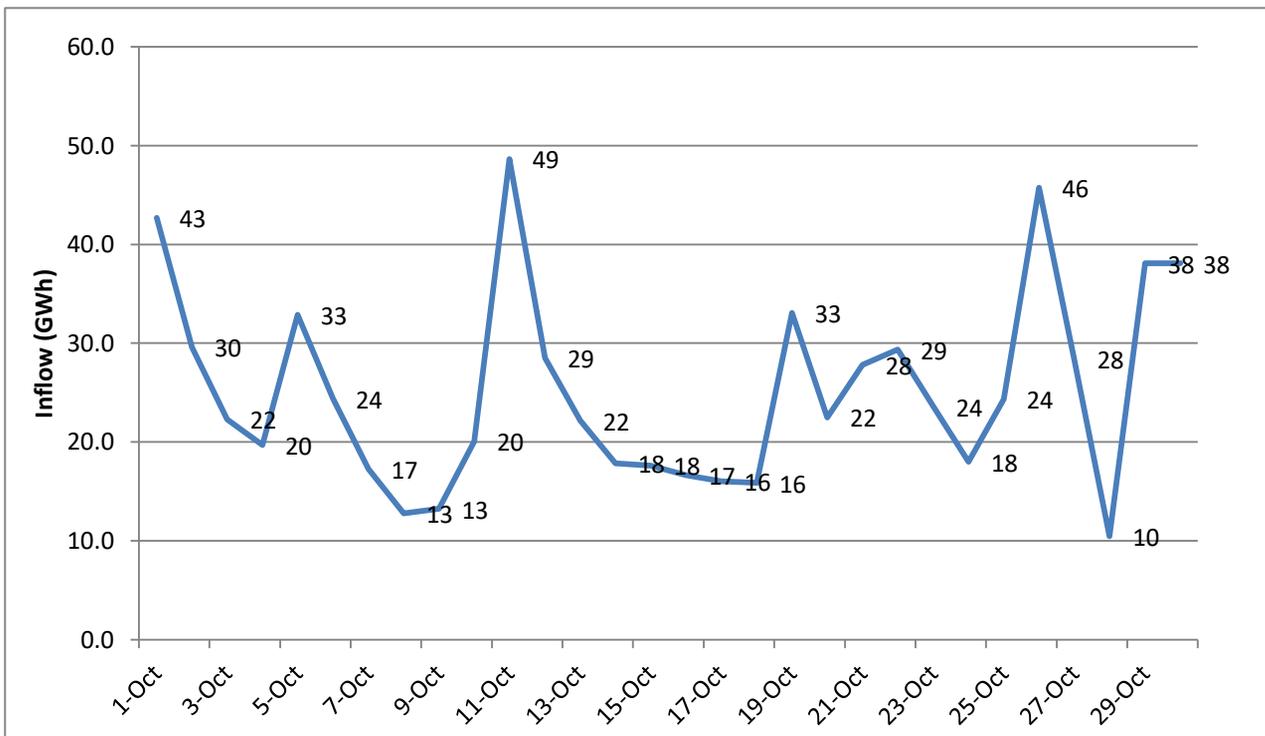
4 Reservoir Statistics

Total Reservoir level at the beginning	981 GWh
Total Reservoir level at the end	1122.5 GWh
Total Inflow	815.84 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

