

# **Monthly Generation Report**

**September-21**

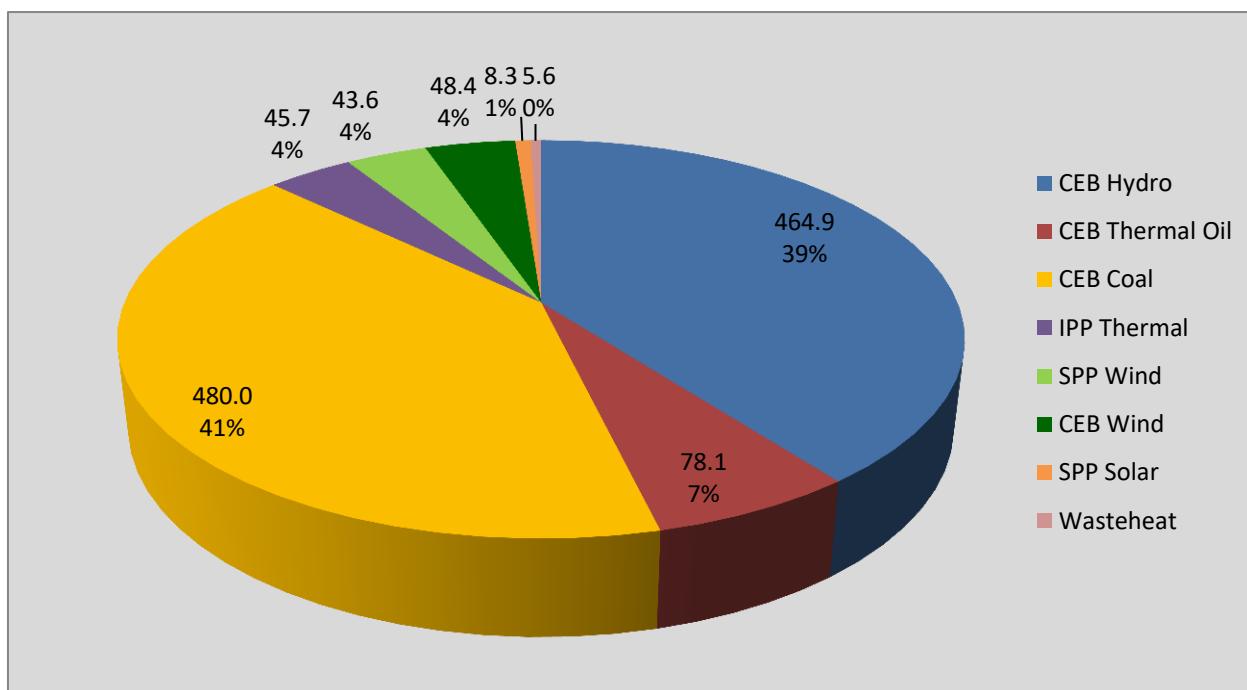


PUBLIC UTILITIES COMMISSION OF SRI LANKA

# 1 Generation Mix

## 1.1 Monthly Generation Mix in GWh

September-21

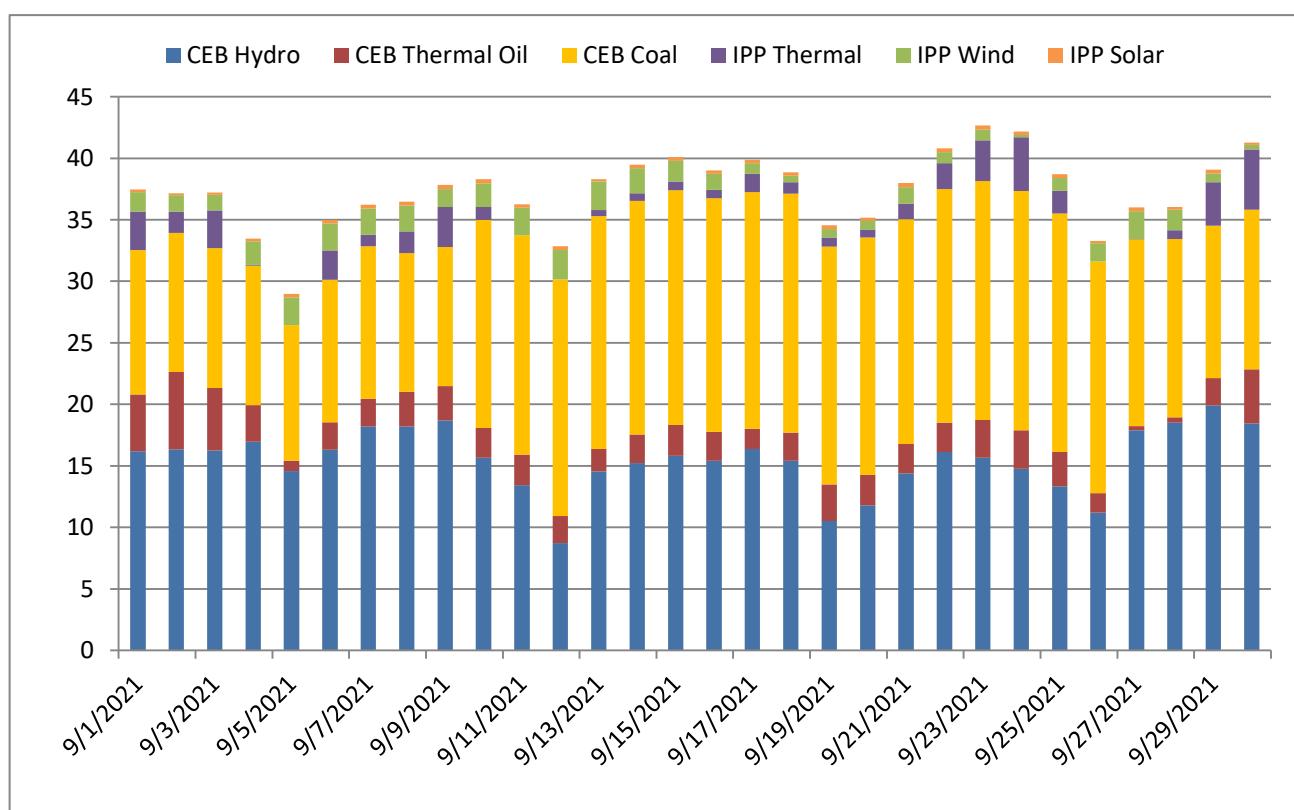


Total Generation=

1,192 GWh

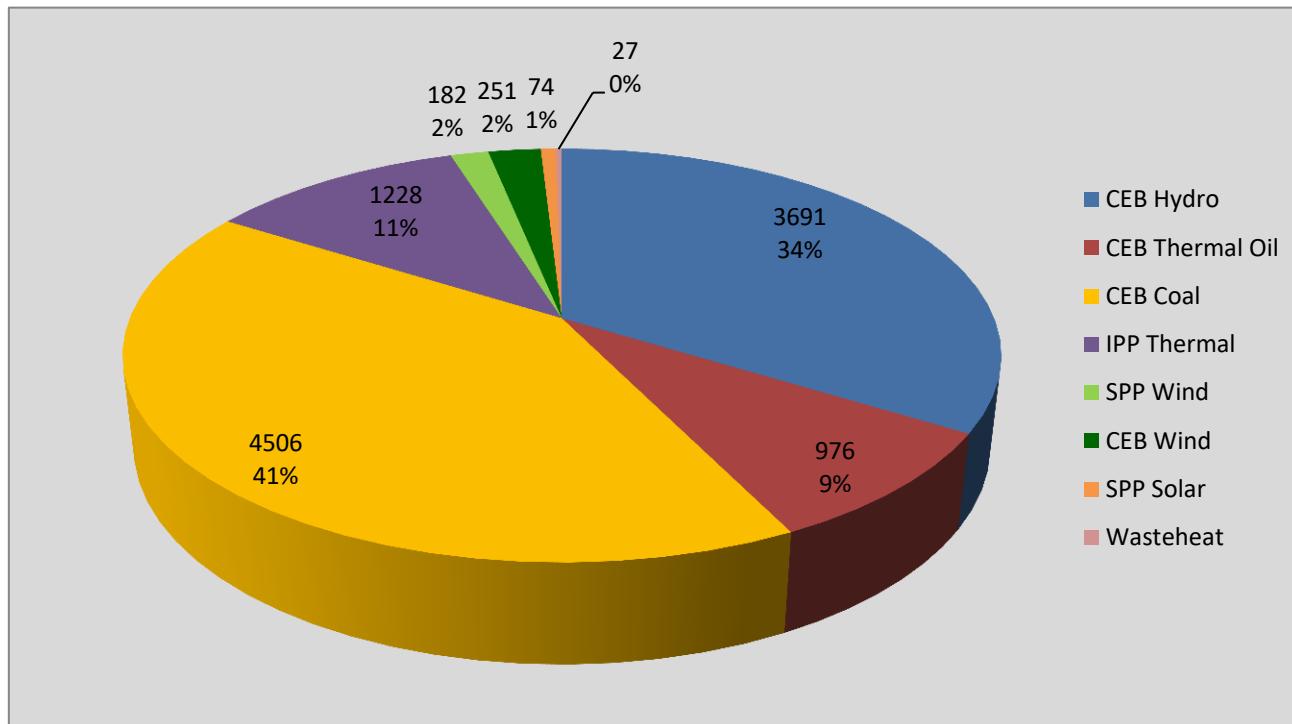
This is excluding the contribution from Minihydro and Biomass power plants

## 1.2 Variation of Daily Generation Mix during the month



This is excluding the contribution from Minihydro and Biomass plants

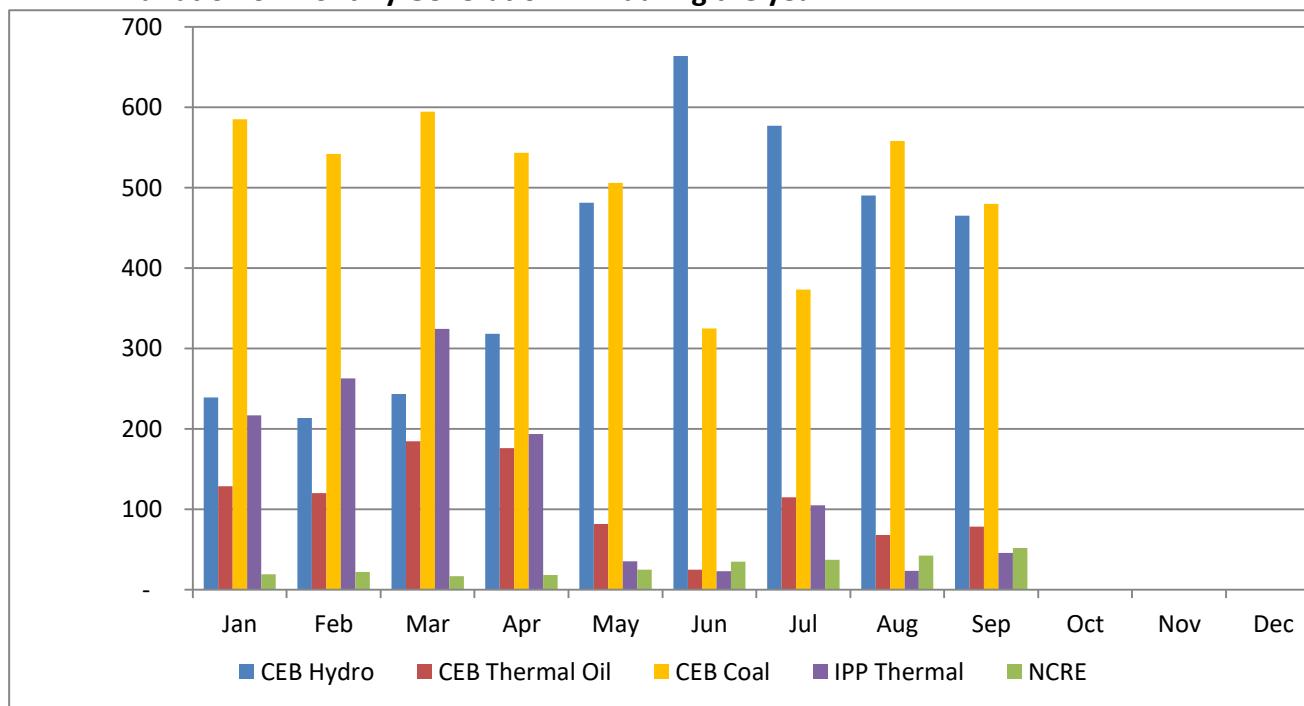
### 1.3 Annual Cumulative Generation



**Total Generation = 10,952 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 September-21

Power Station	Capacity (MW)	Generation (MWh)	Plant factor (%)	
Wimalasurendra	50	10,630	29.53%	
Old Laxapana	53.8	34,395	88.79%	
Canyon	60	18,914	43.78%	
New Laxapana	116	64,210	76.88%	
Polpitiya	75	54,535	100.99%	
Kotmale	201	47,900	33.10%	
Victoria	210	57,574	38.08%	
Randenigala	122	26,720	30.42%	
Rantambe	49	11,175	31.68%	
Ukuwela	37	24,584	92.28%	
Bowatenna	40	9,769	33.92%	
Upper Kotmale	150	44,598	41.29%	
Nilambe	3.2	1,193	51.78%	
Samanalawewa	120	17,549	20.31%	
Kukule	75	39,433	73.02%	
Inginiyagala	11.25	1,104	13.63%	
Udawalawe	6	554	12.82%	
Puttalam Coal I	275	174,274	88.02%	
Puttalam Coal II	275	188,840	95.37%	
Puttalam Coal III	275	116,827	59.00%	
KPS Small GTs	65.2	97	0.21%	
KPS GT 7	113	378	0.46%	
KCCP	161	7,636	6.59%	
Sapugaskanda A	69.6	1,059	2.11%	
Sapugaskanda B	69.6	28,282	56.44%	
Uthura Janani	26.01	7,980	42.61%	
Barge CEB	60	32,284	74.73%	
CEB-Thulhiriya	10	73	1.01%	
CEB-Kolonnawa	20	134	0.93%	
CEB-Mathugama	20	144	1.00%	
ACE Matara	20	0	0.00%	
Asia Power	50.8	0	0.00%	PPA expired
AES - Kelanitissa	163	1,661	1.42%	PPA expired
Westcoast	270	43,714	22.49%	
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	354	2.05%	

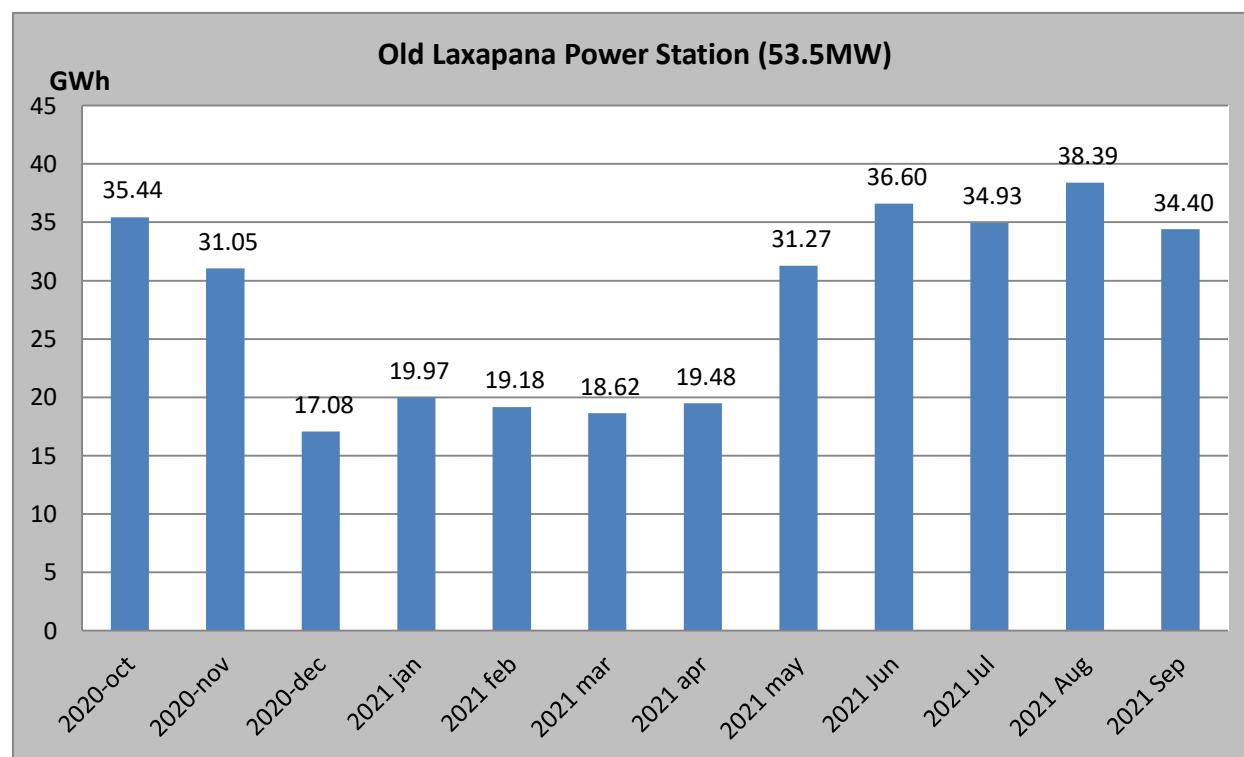
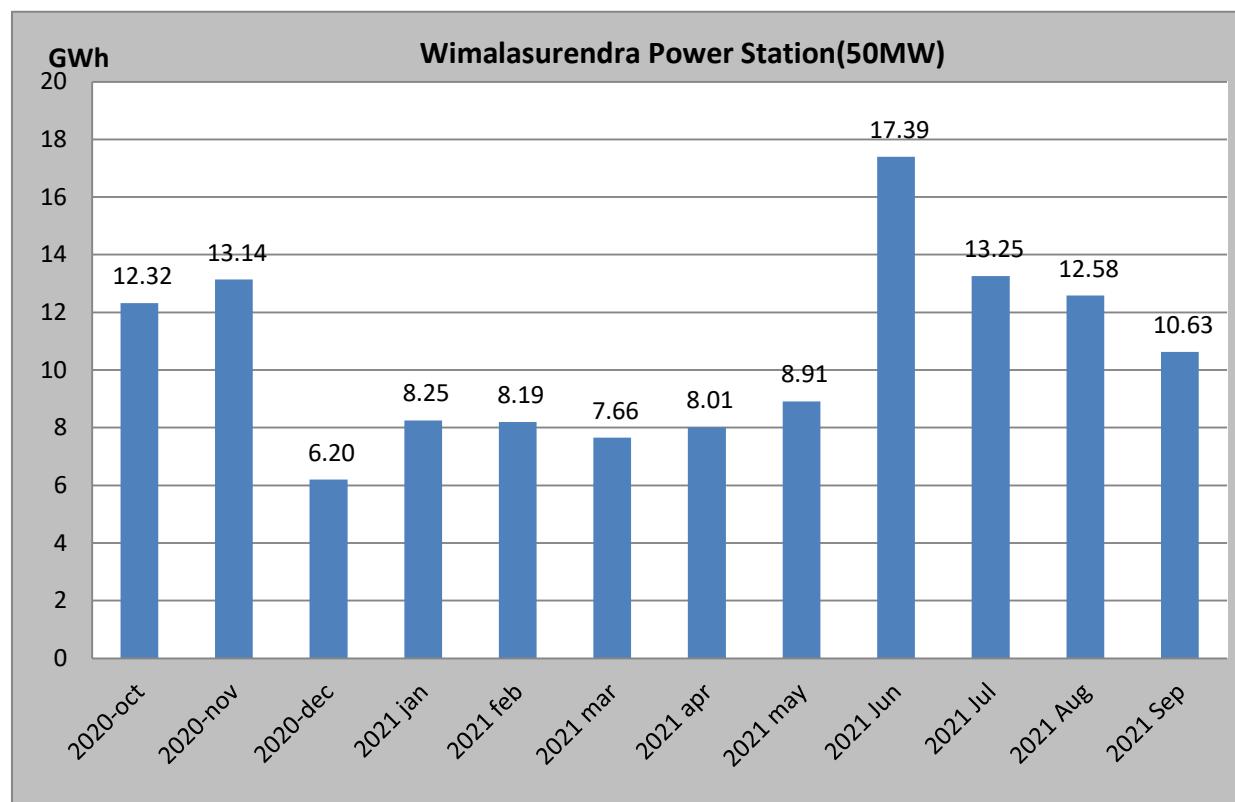
## 2.2 Running Plant Factors of Major Plants in

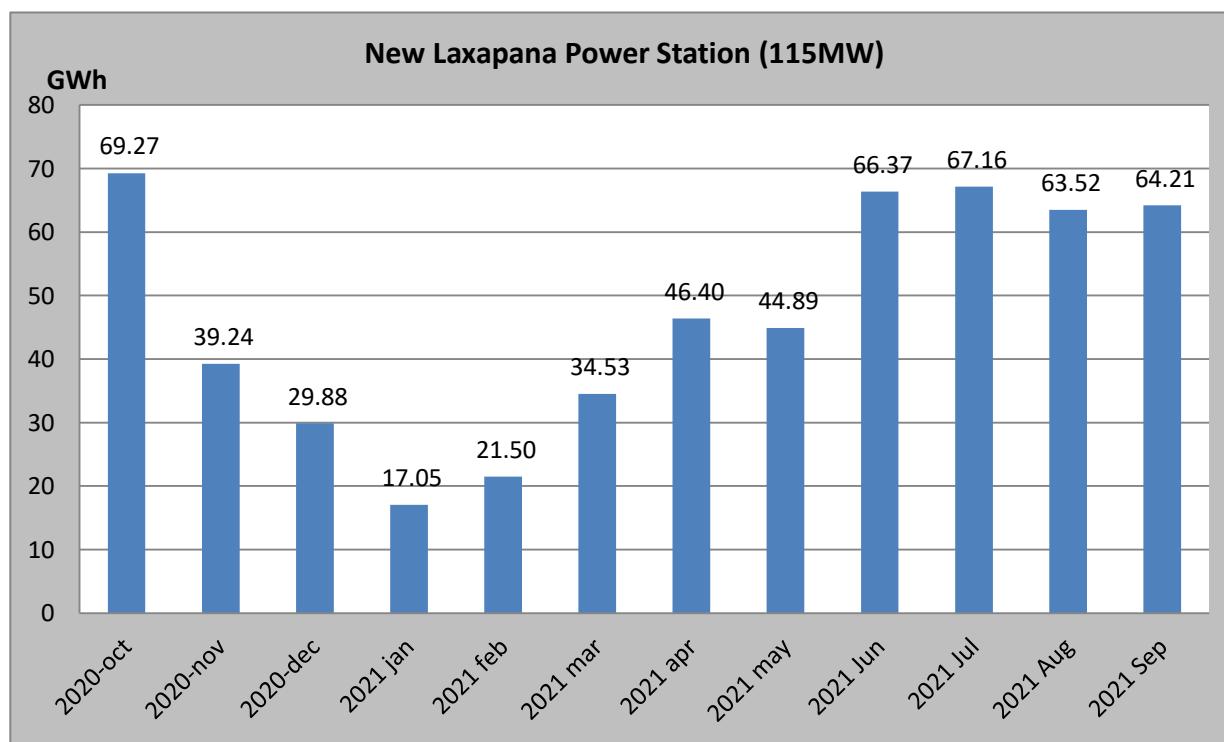
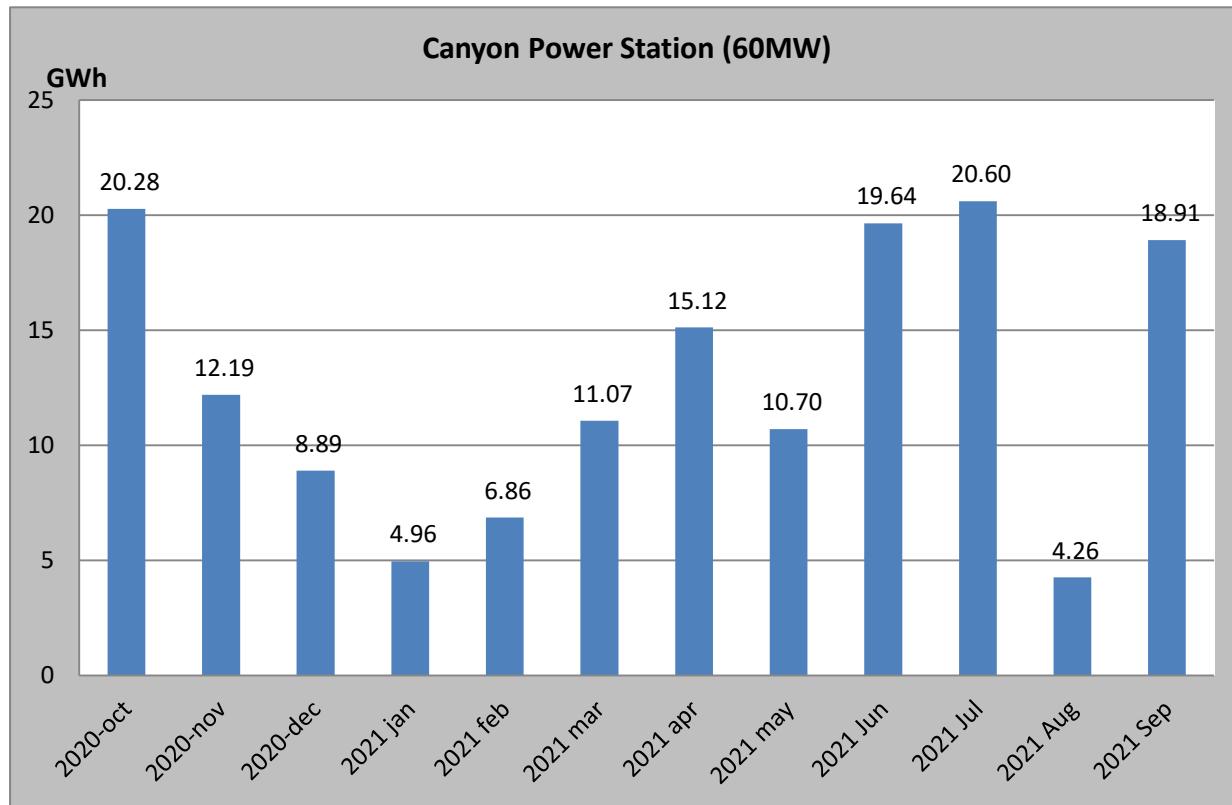
September-21

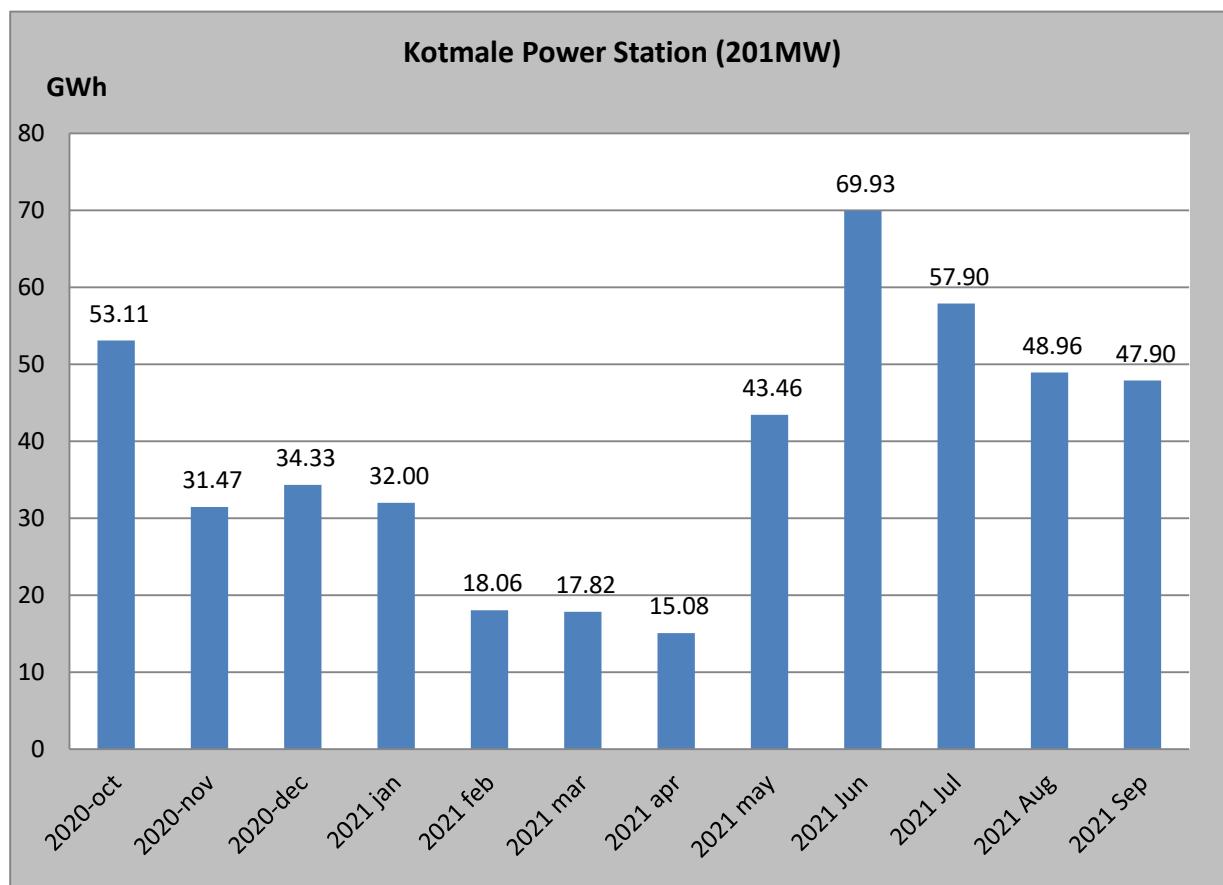
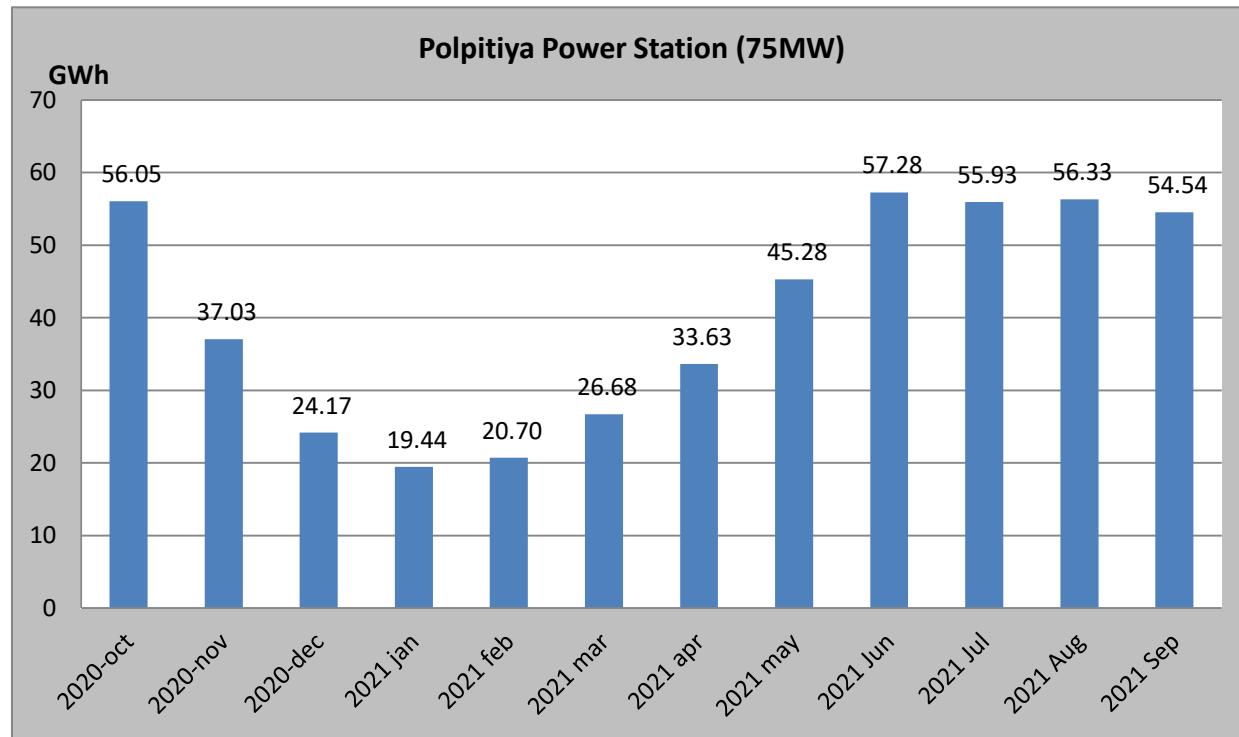
Note: The plant availability declared at 6 am on Daily reports are considered as availability of the plant for the particular day in calculation of Availability (GWh) below

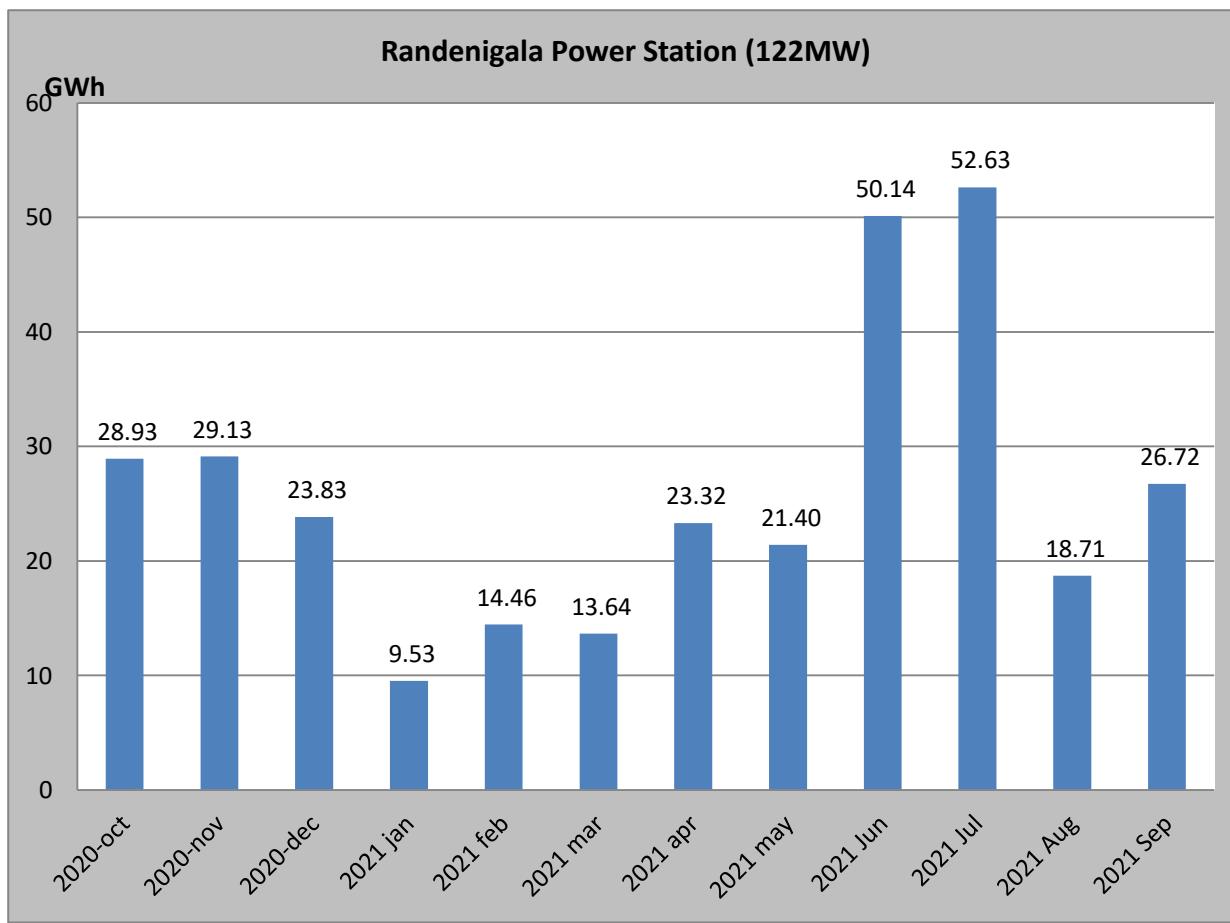
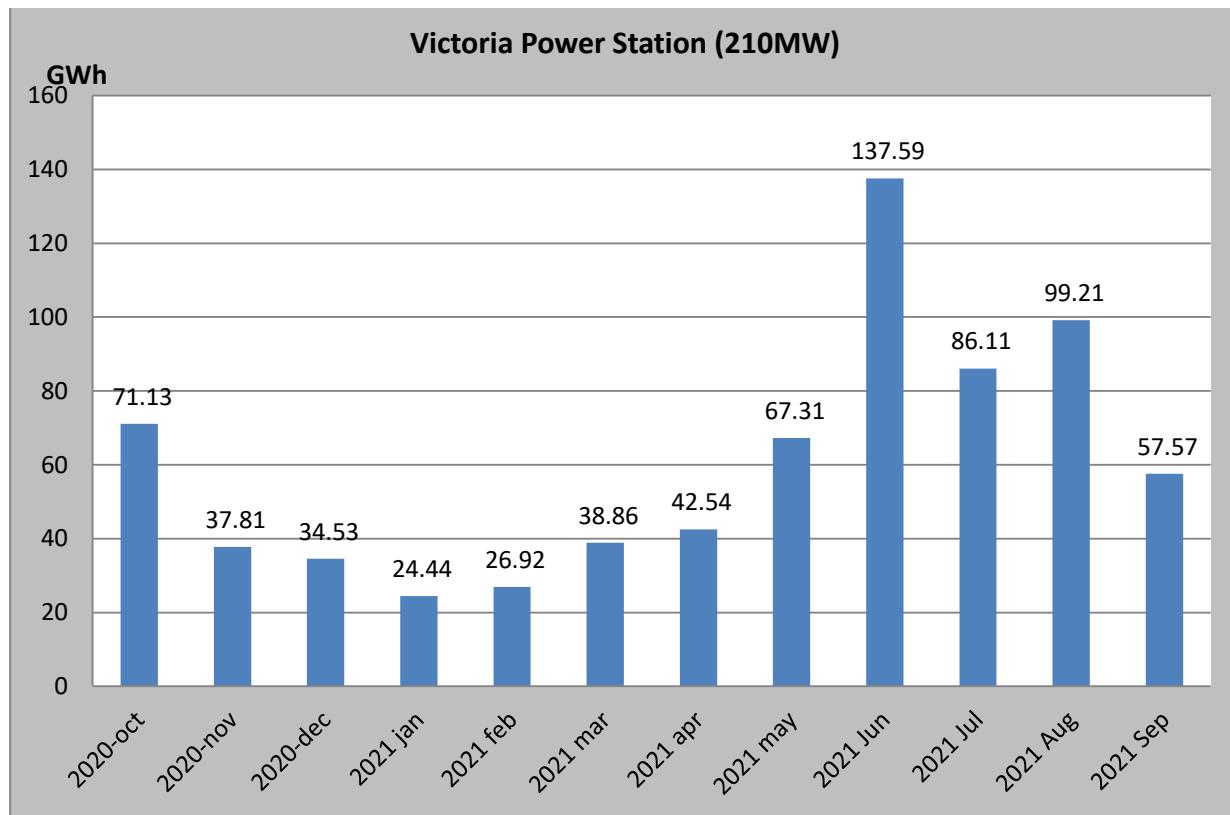
<b>Power Station</b>	<b>Availability(GWh)</b>	<b>Generation (MWh)</b>	<b>Running PF (%)</b>
Wimalasurendra	36000	10,630	29.53%
Old Laxapana	37344	34,395	92.10%
Canyon	43200	18,914	43.78%
New Laxapana	65760	64,210	97.64%
Polpitiya	60480	54,535	90.17%
Kotmale	130248	47,900	36.78%
Victoria	138528	57,574	41.56%
Randenigala	83712	26,720	31.92%
Rantambe	22200	11,175	50.34%
Ukuwela	25920	24,584	94.85%
Bowatenna	27360	9,769	35.71%
Upper Kotmale	108000	44,598	41.29%
Nilambe	2304	1,193	51.78%
Samanalawewa	79200	17,549	22.16%
Kukule	53100	39,433	74.26%
Inginiyagala	8100	1,104	13.63%
Udawalawe	2880	554	19.24%
Puttalam Coal I	179088	174,274	97.31%
Puttalam Coal II	194400	188,840	97.14%
Puttalam Coal III	122640	116,827	95.26%
KPS Small GTs	28752	97	0.34%
KPS GT 7	80040	378	0.47%
KCCP	43200	7,636	17.68%
Sapugaskanda A	34560	1,059	3.06%
Sapugaskanda B	39960	28,282	70.78%
Uthura Janani	10560	7,980	75.57%
Barge CEB	42120	32,284	76.65%
CEB-Thulhiriya	5702.4	73	1.28%
CEB-Kolonnawa	10776	134	1.24%
CEB-Mathugama	11203.2	144	1.29%
ACE Matara	0	0	PPA expired
Asia Power	0	0	PPA expired
AES - Kelanitissa	117360	1,661	1.42%
Westcoast	194400	43,714	22.49%
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.	17280	354	2.05%

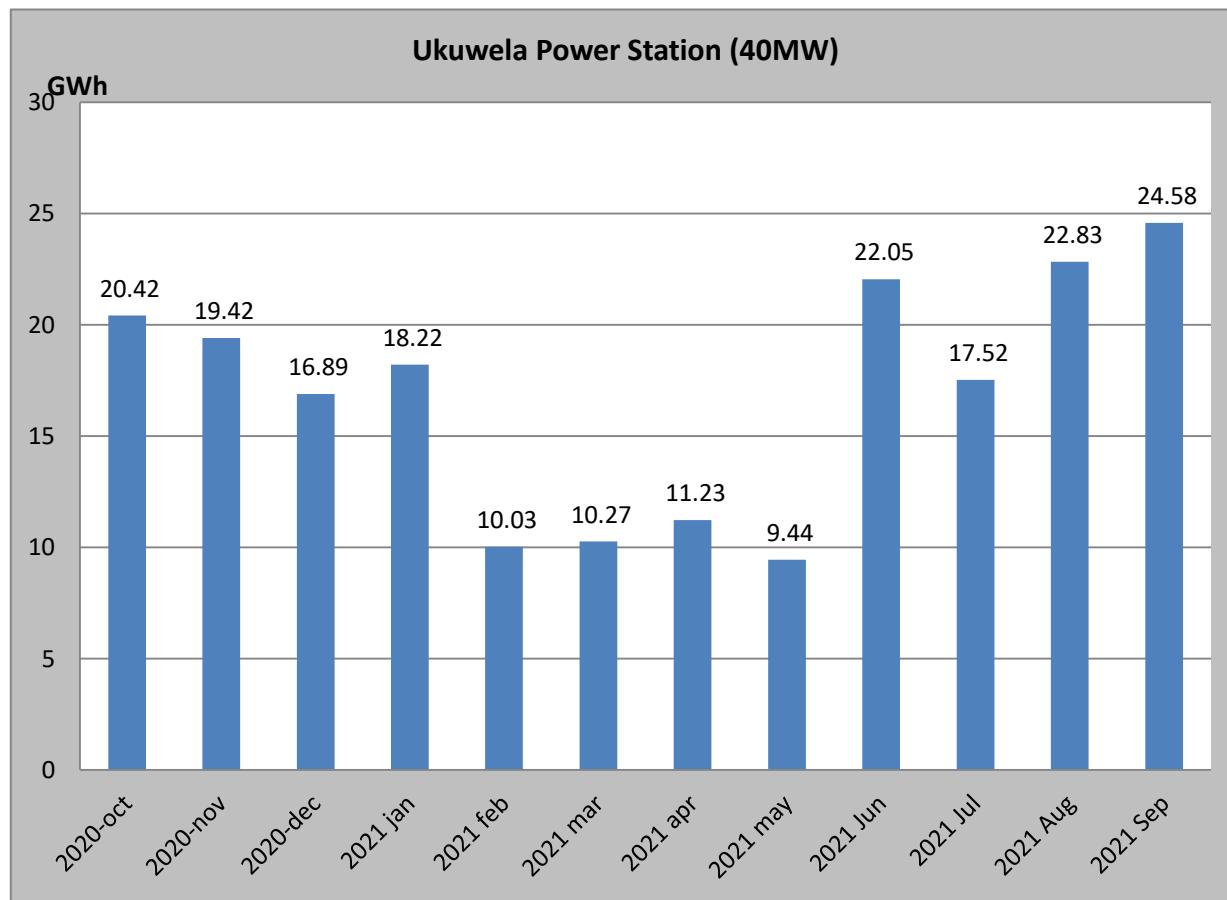
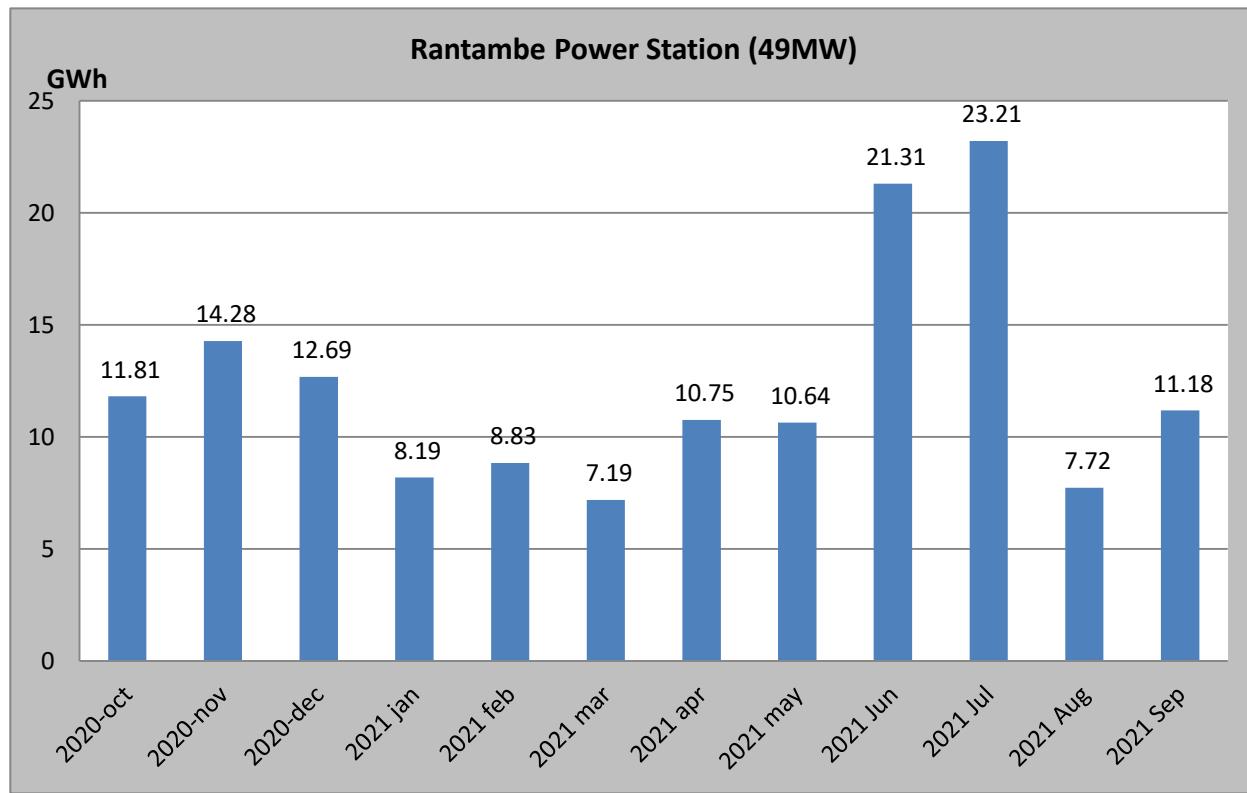
## 2.3 Generation of Major Power Plants During the current year

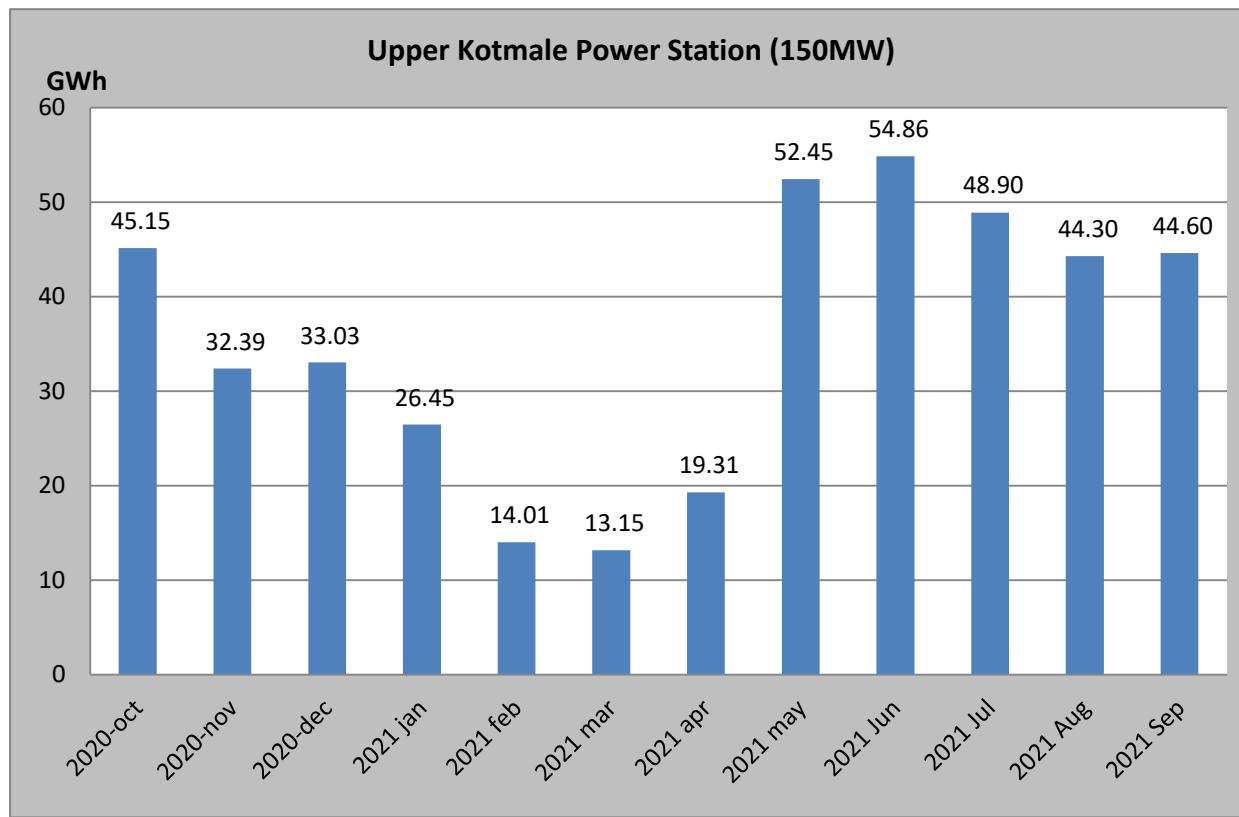
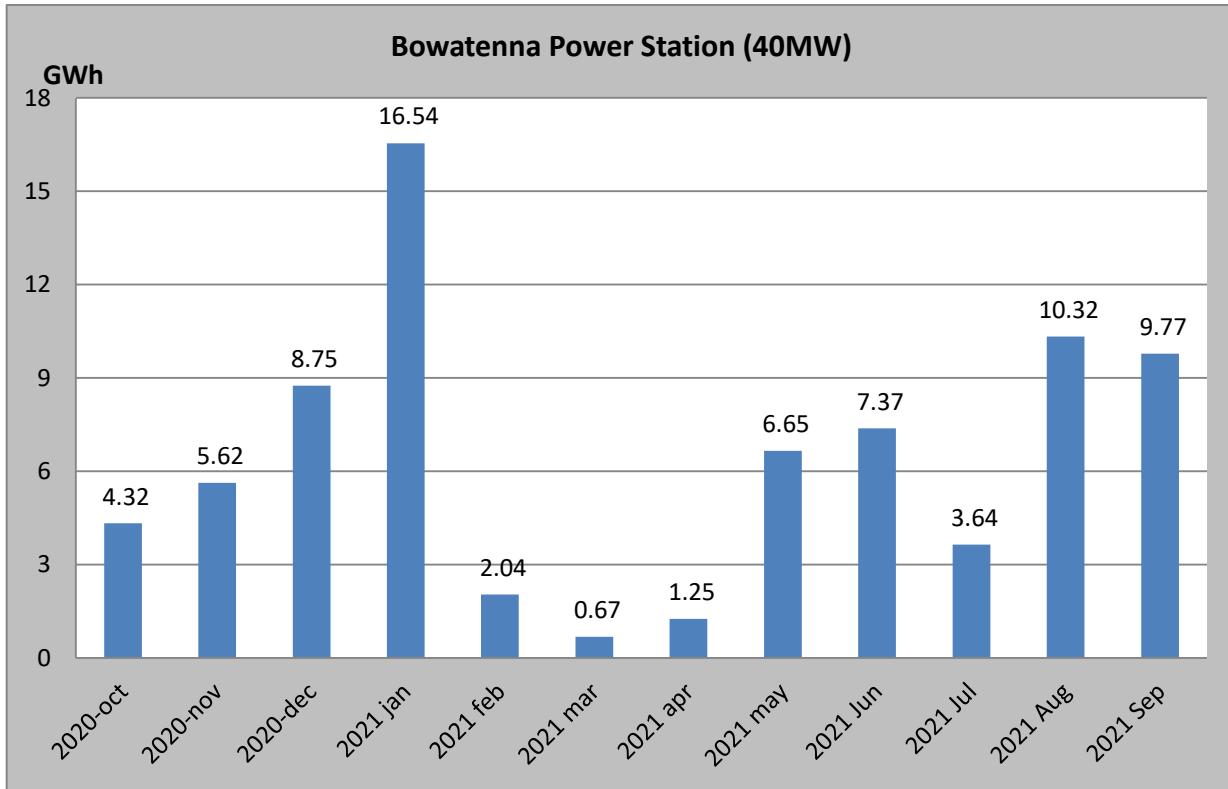


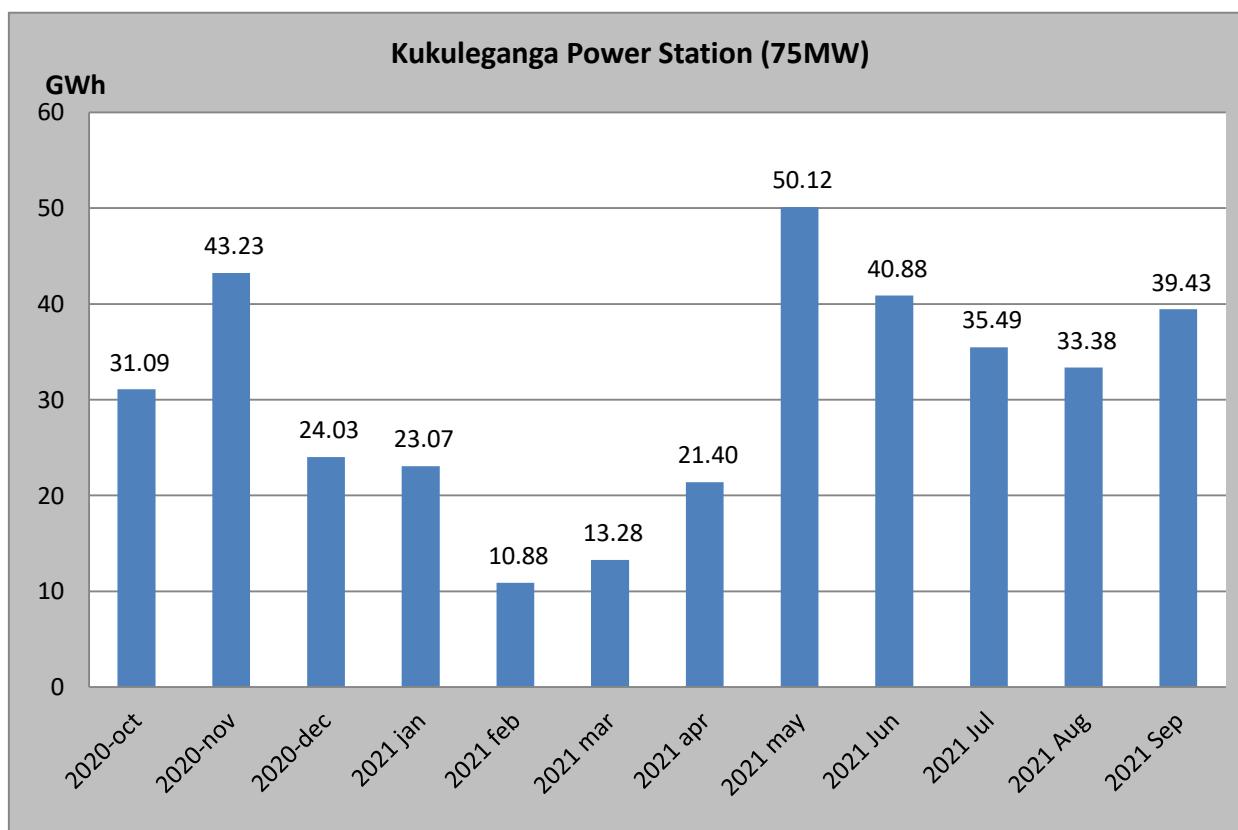
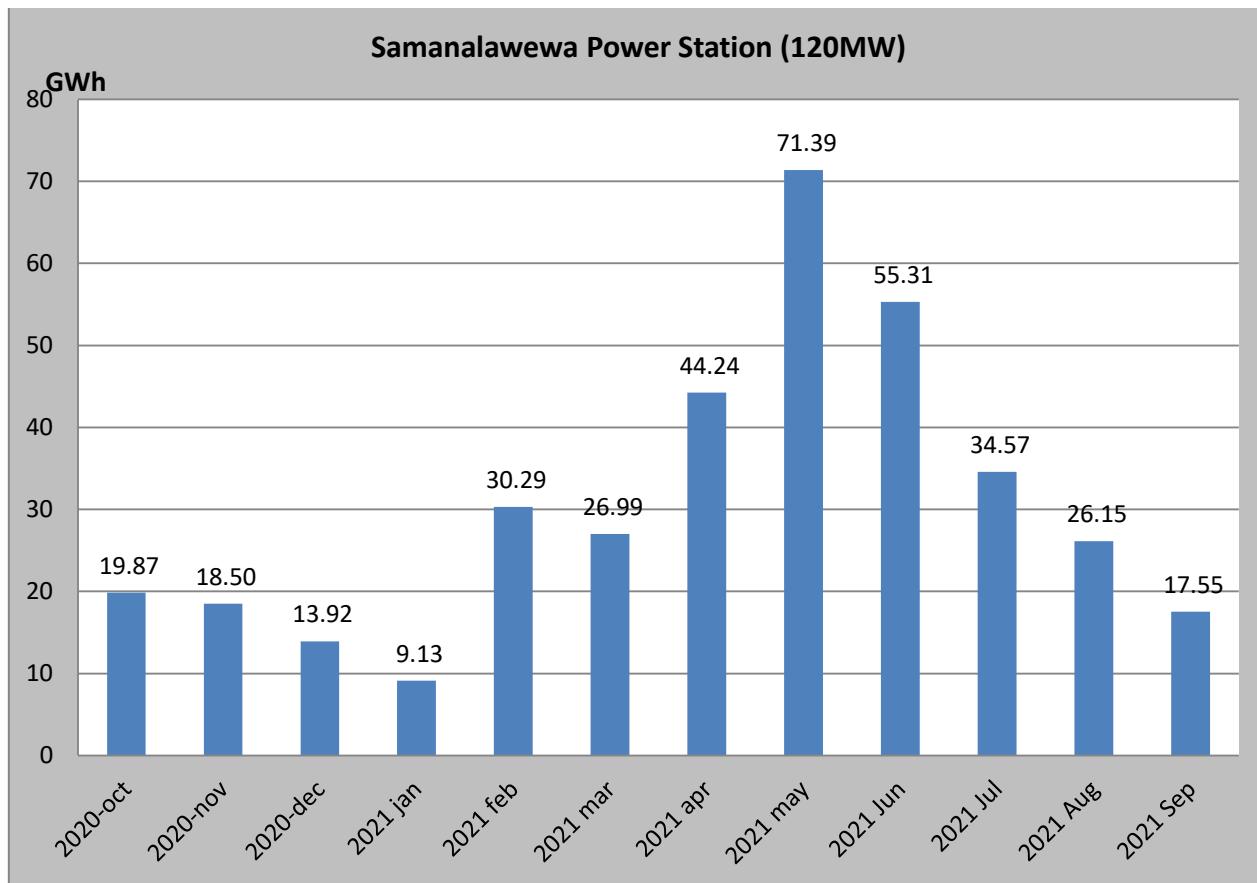


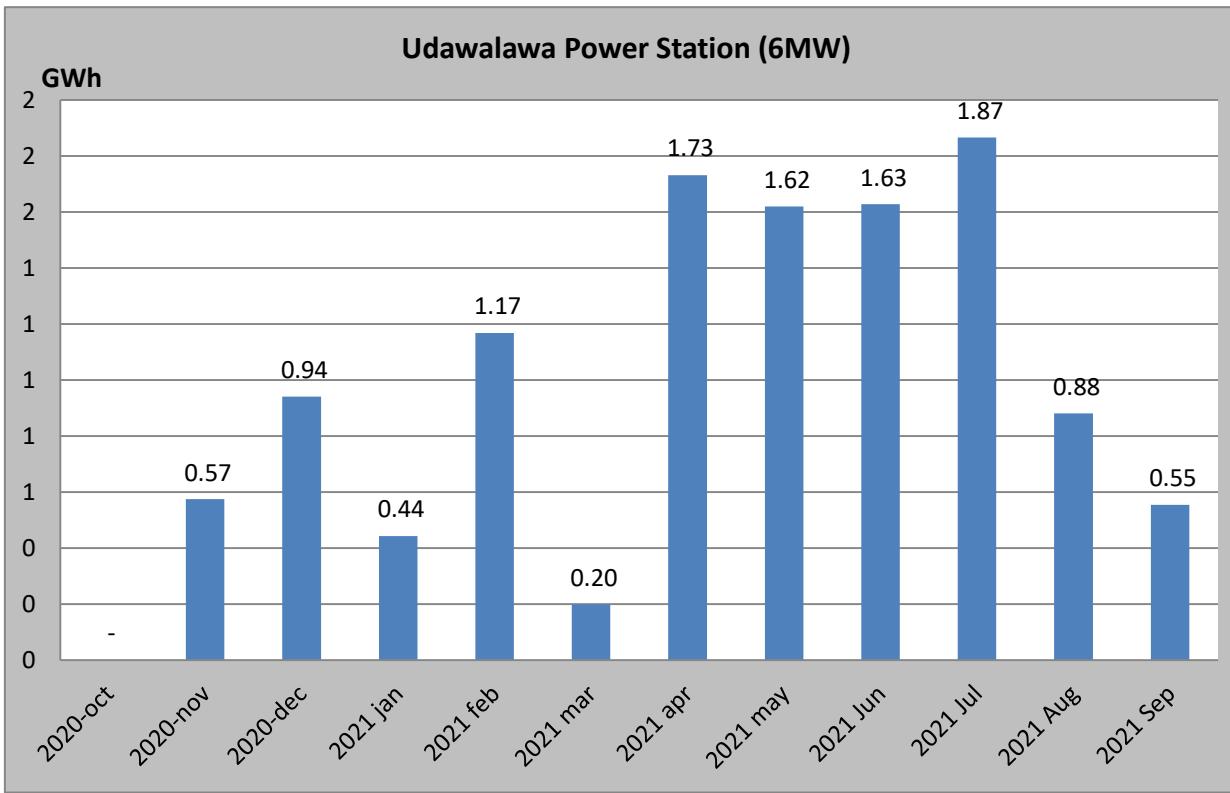
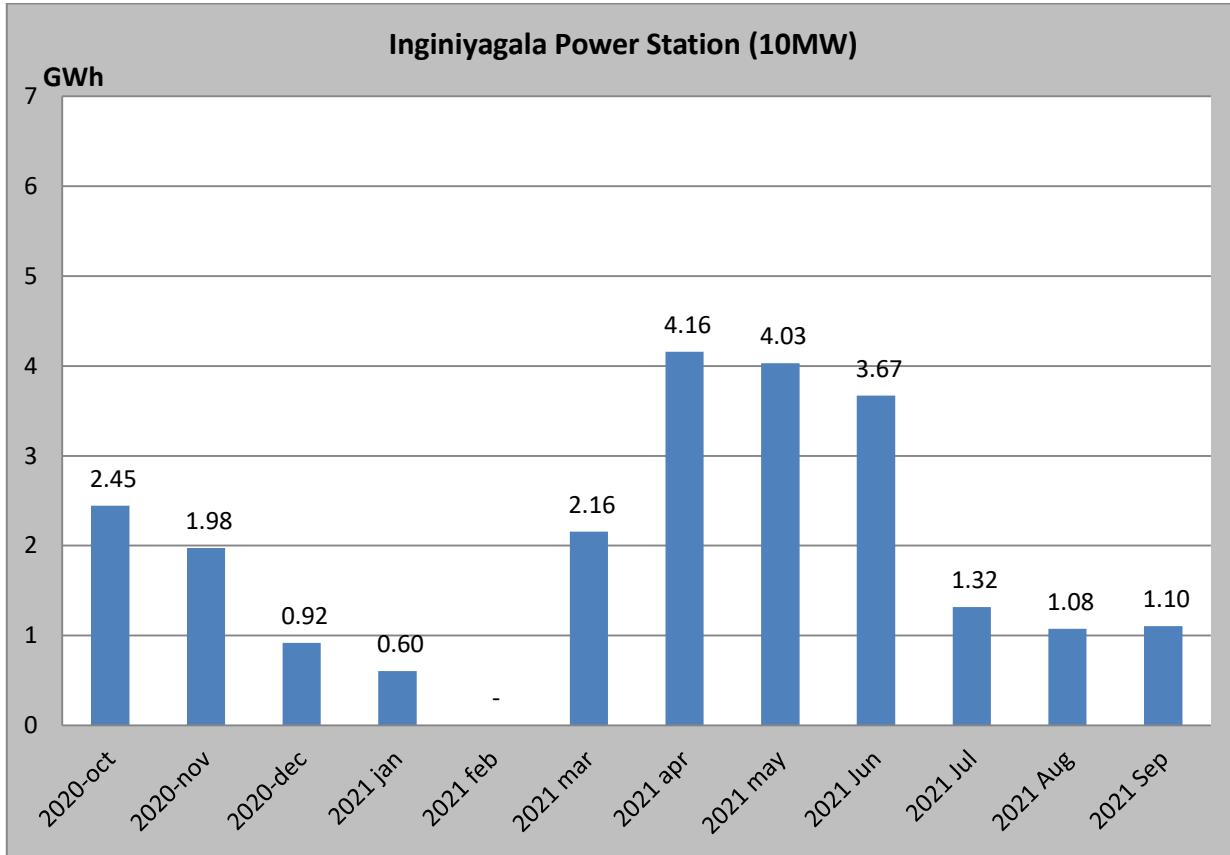


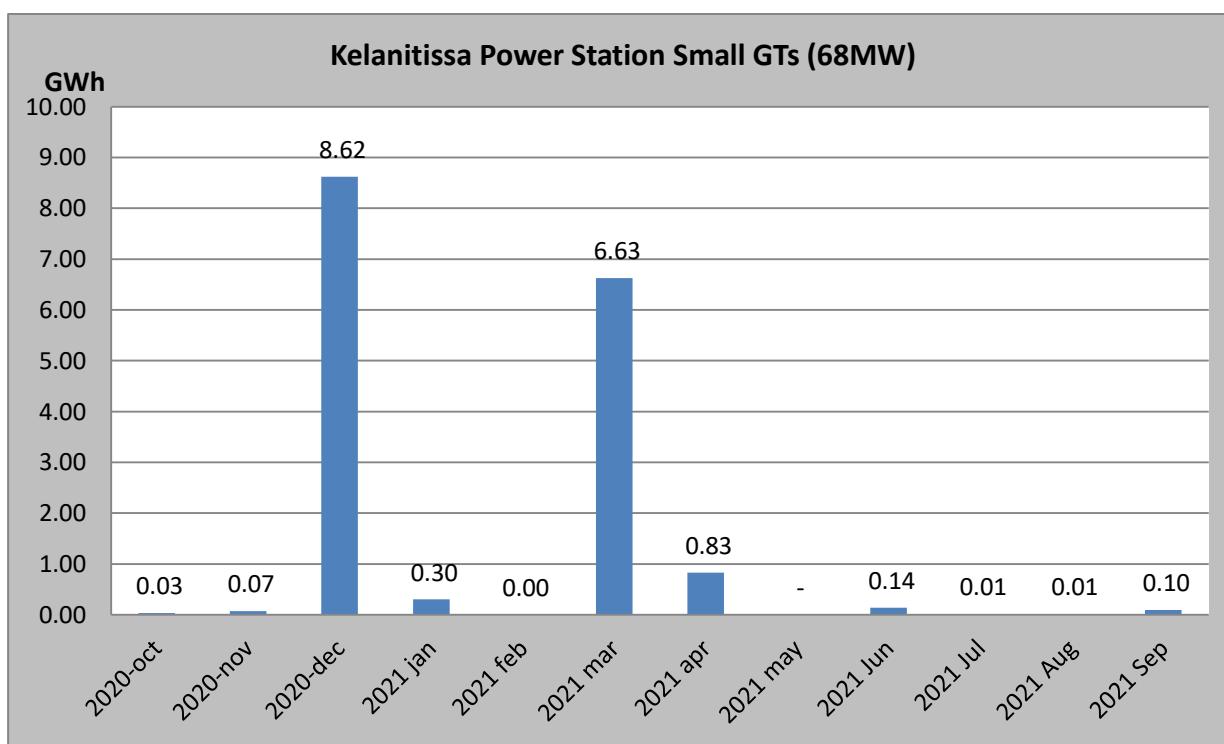
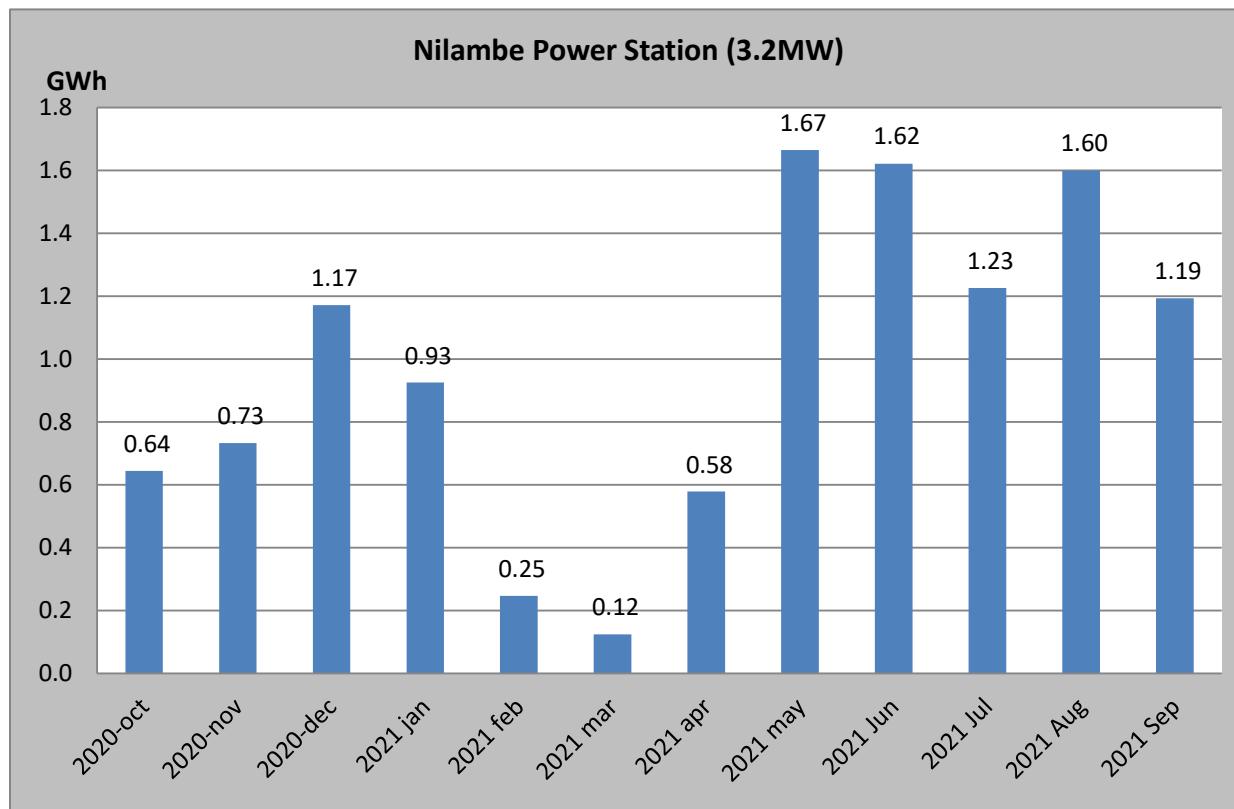


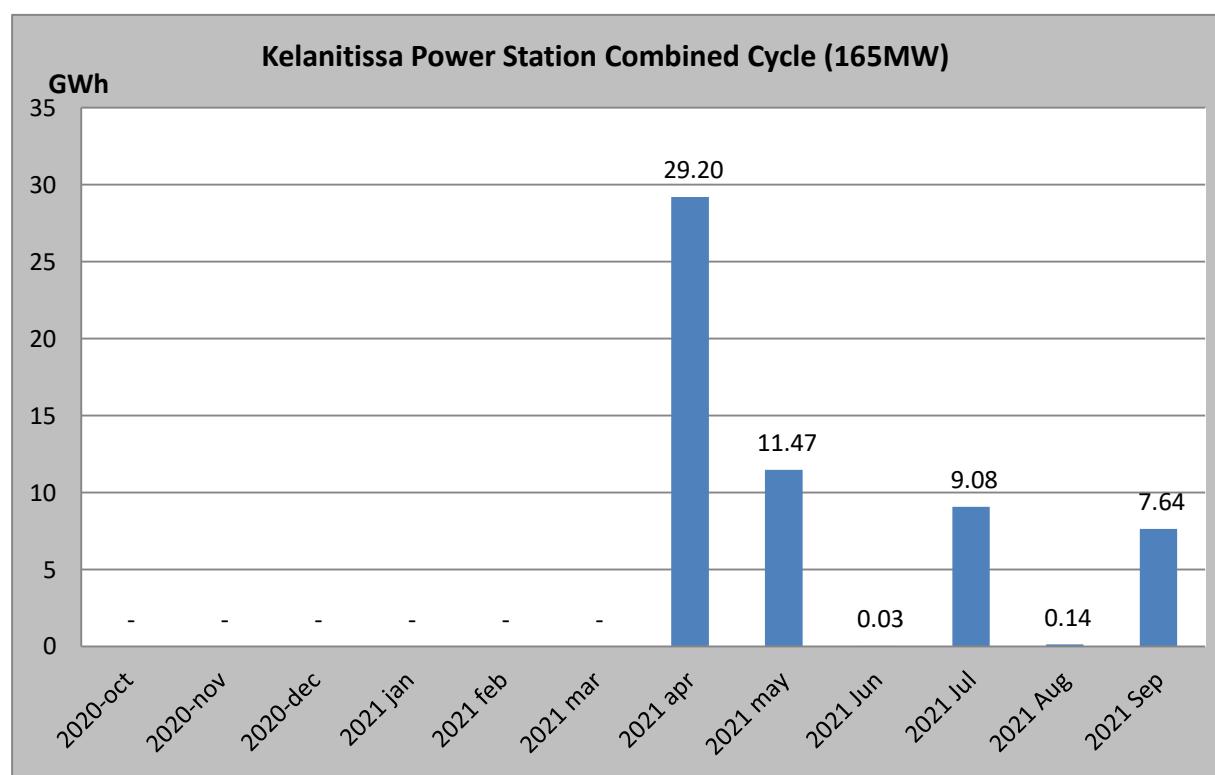
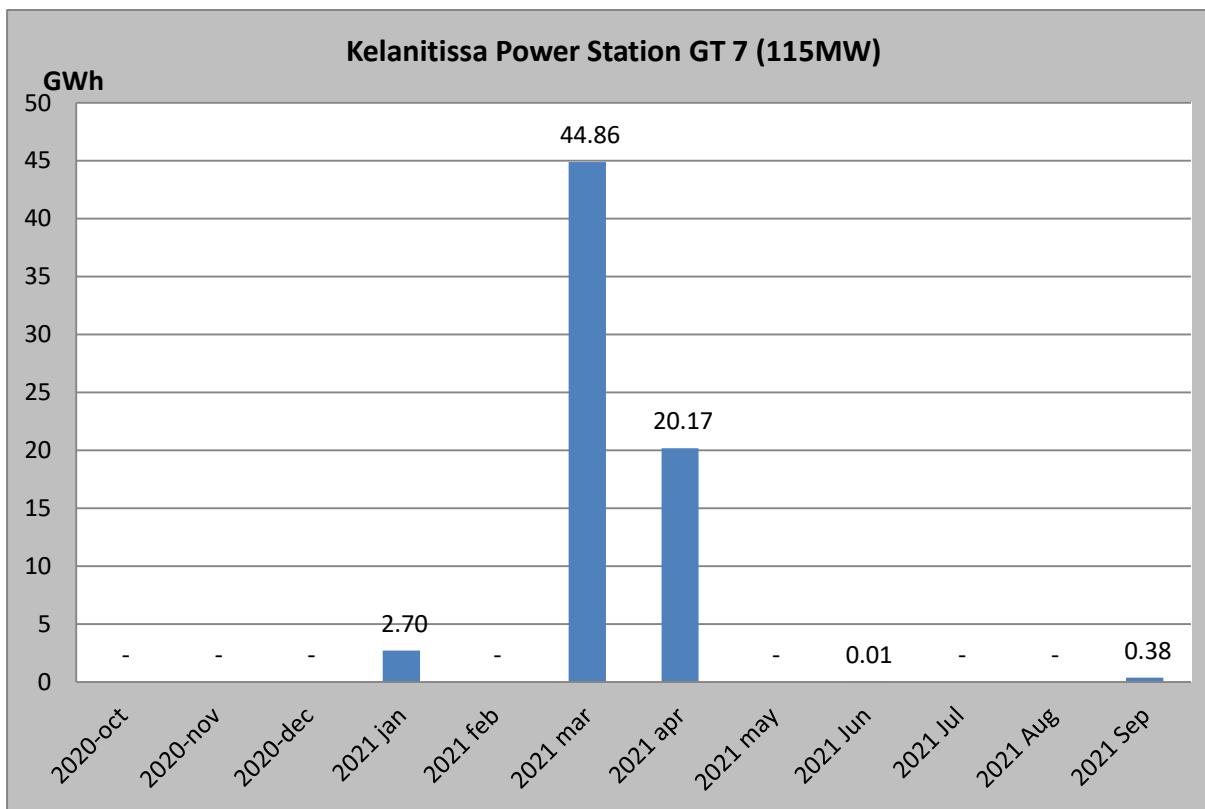


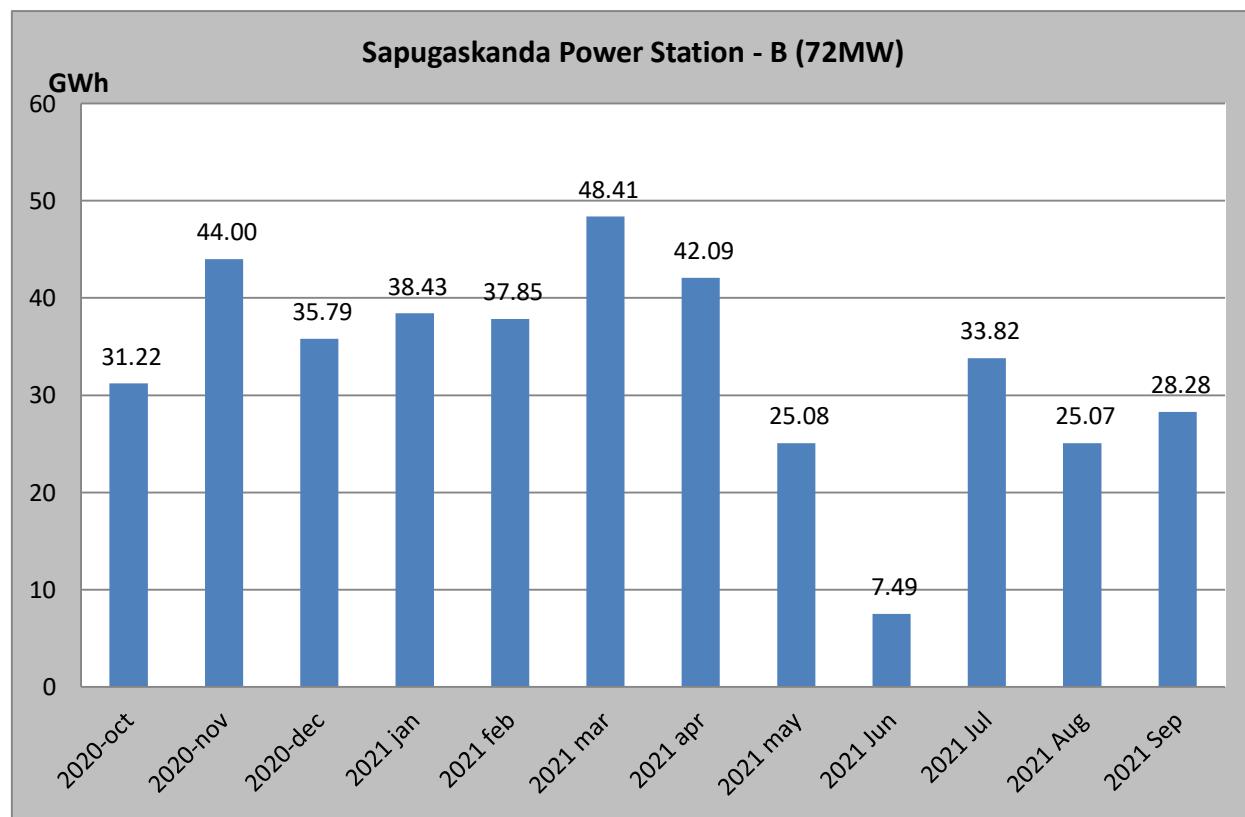
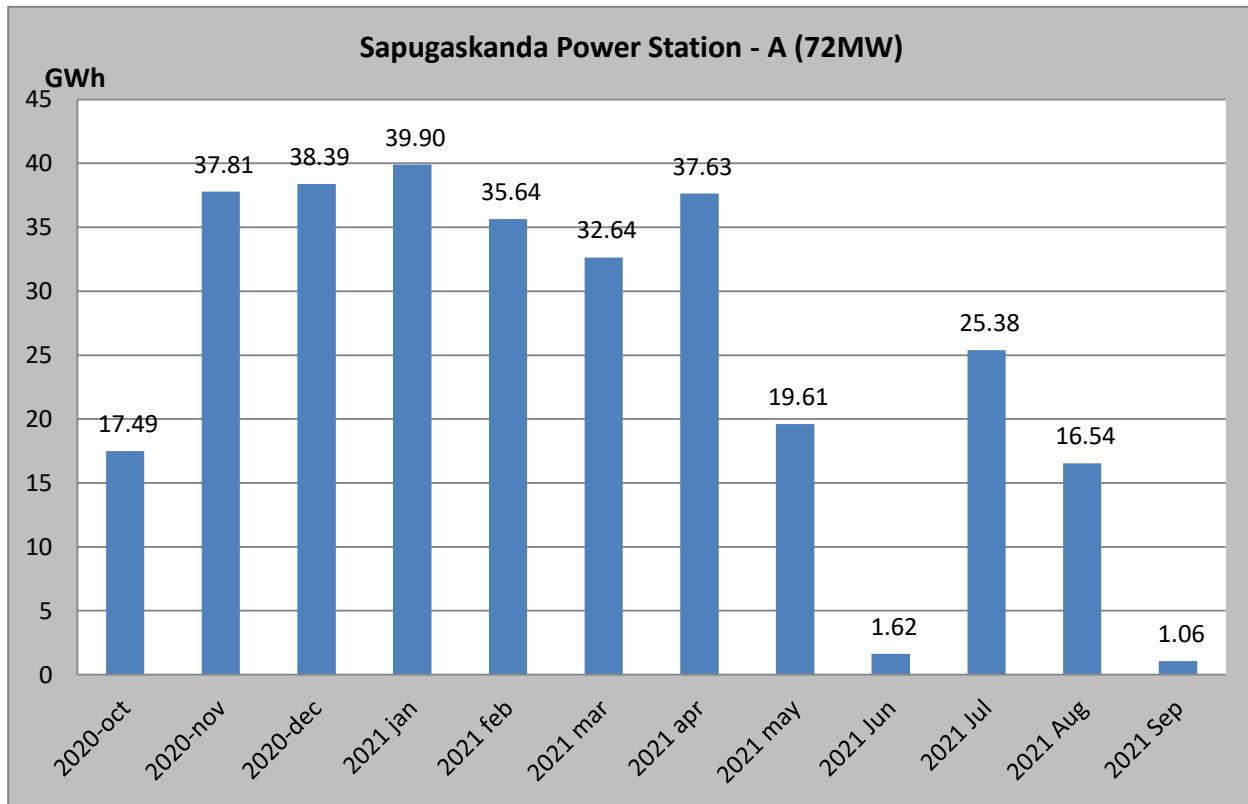


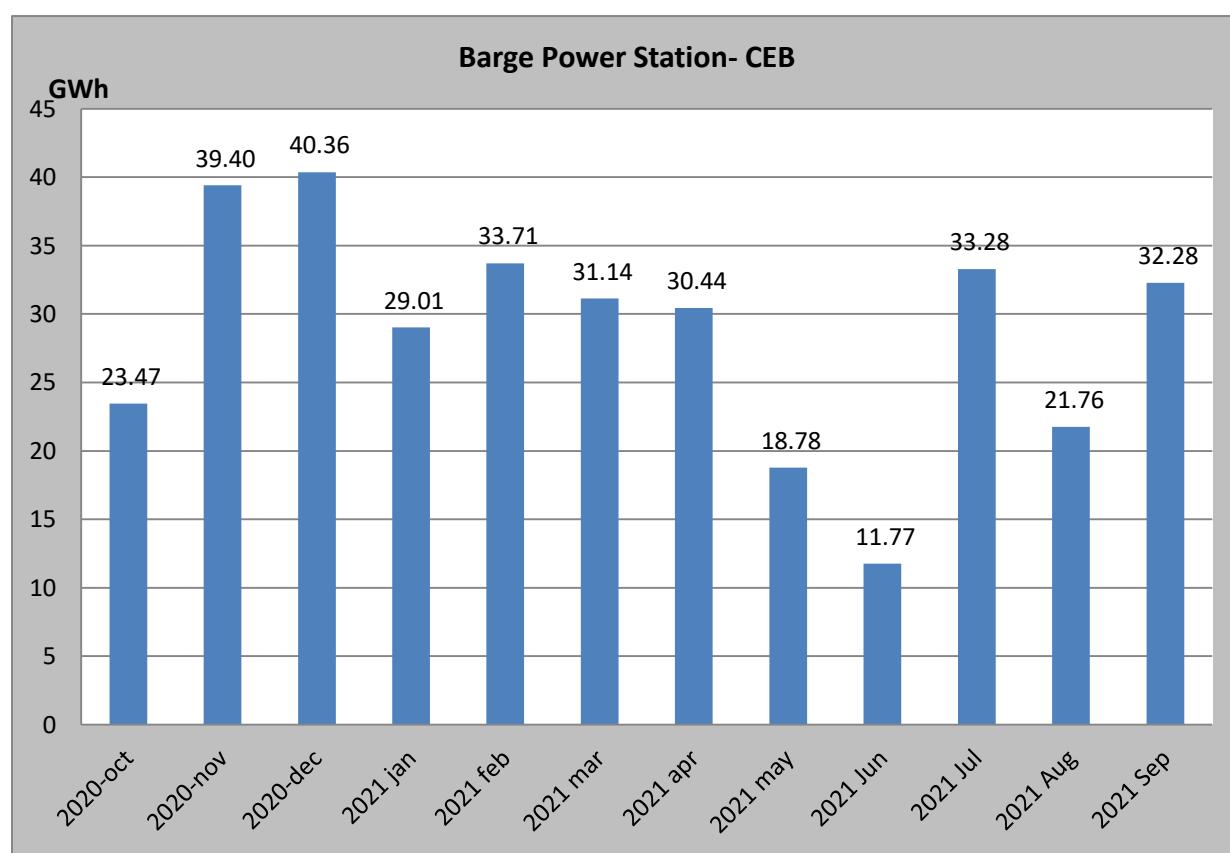
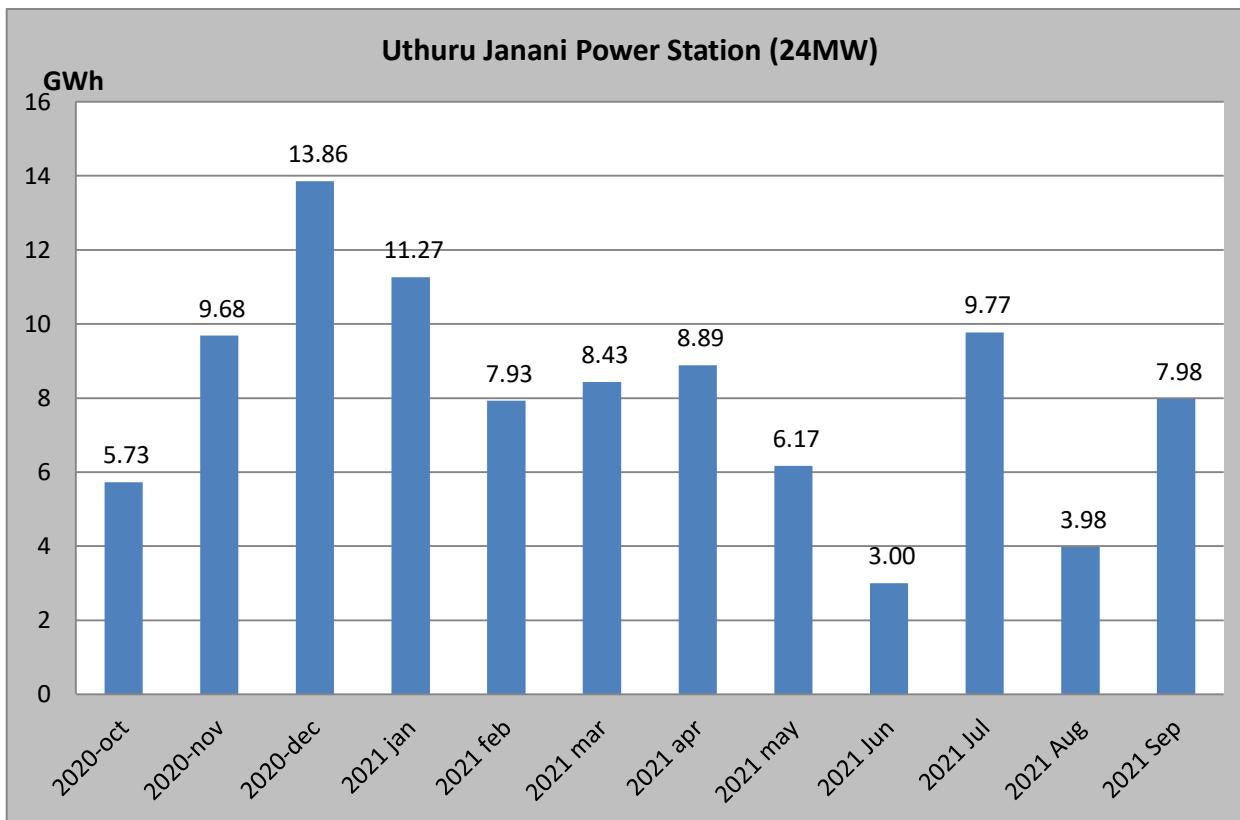


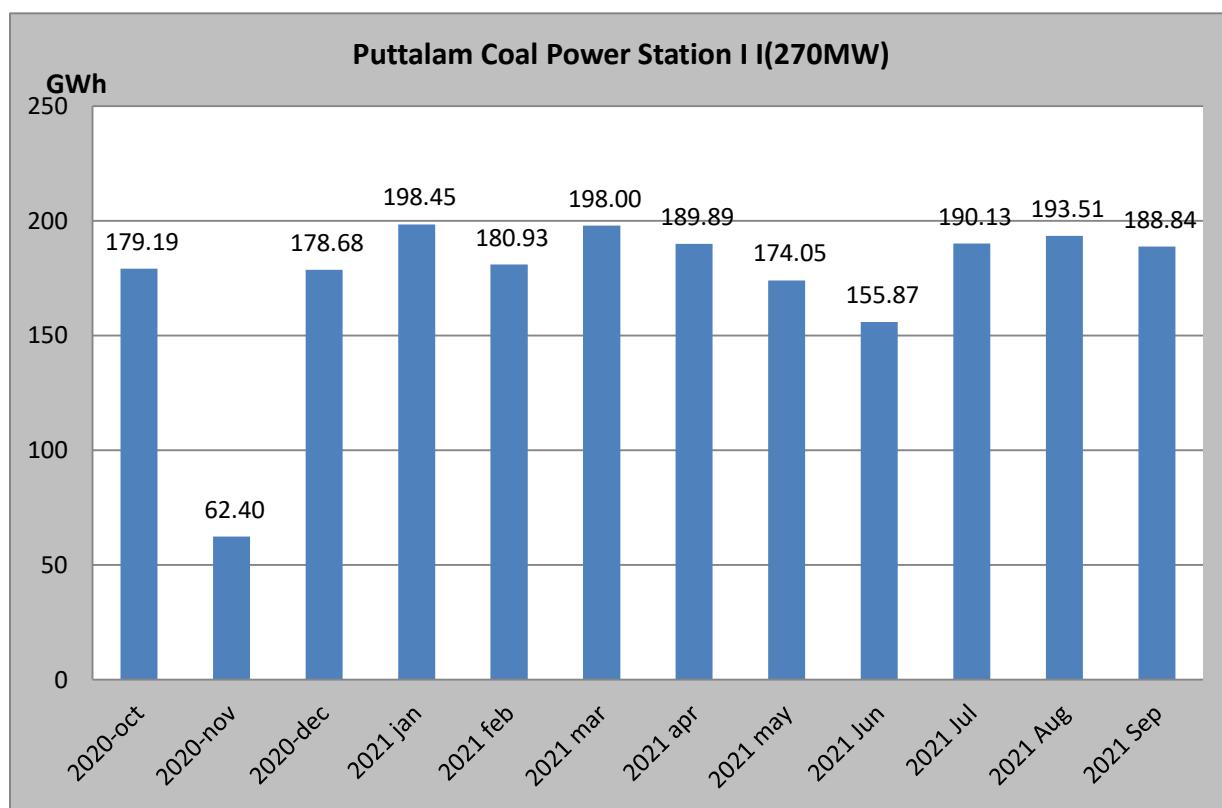
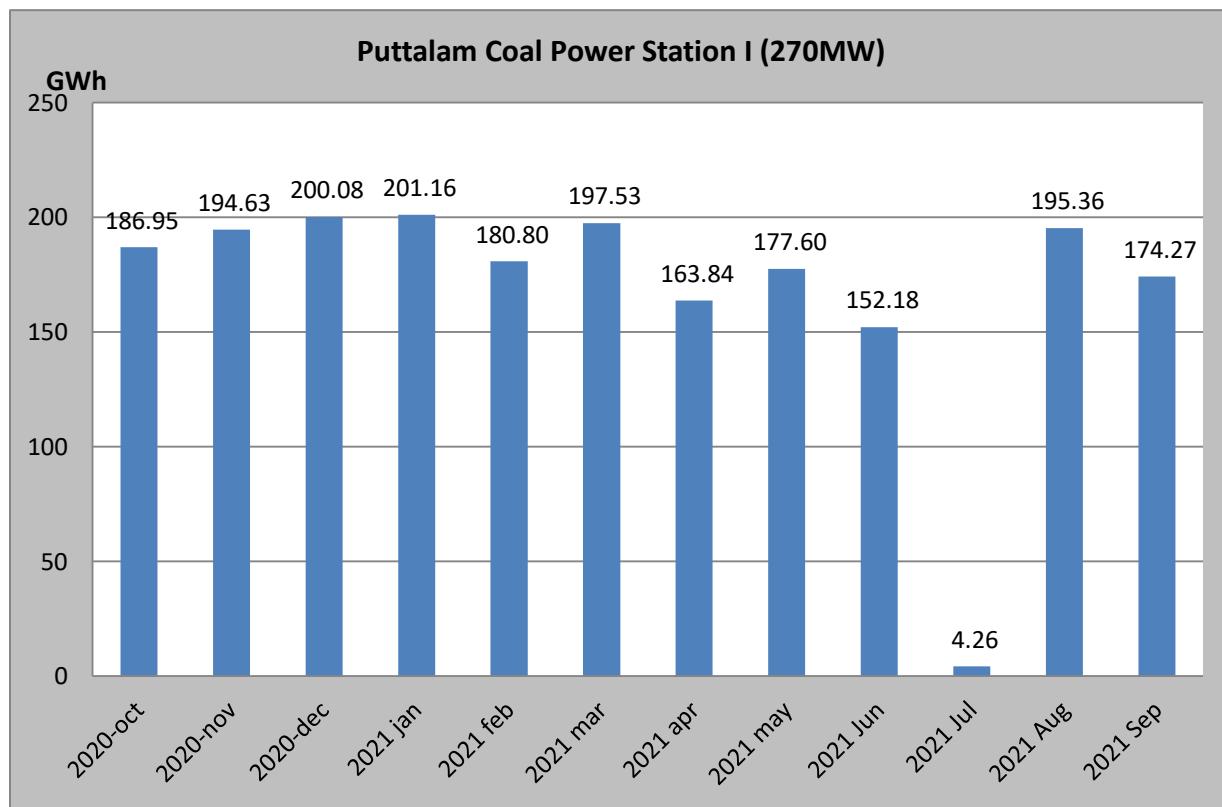


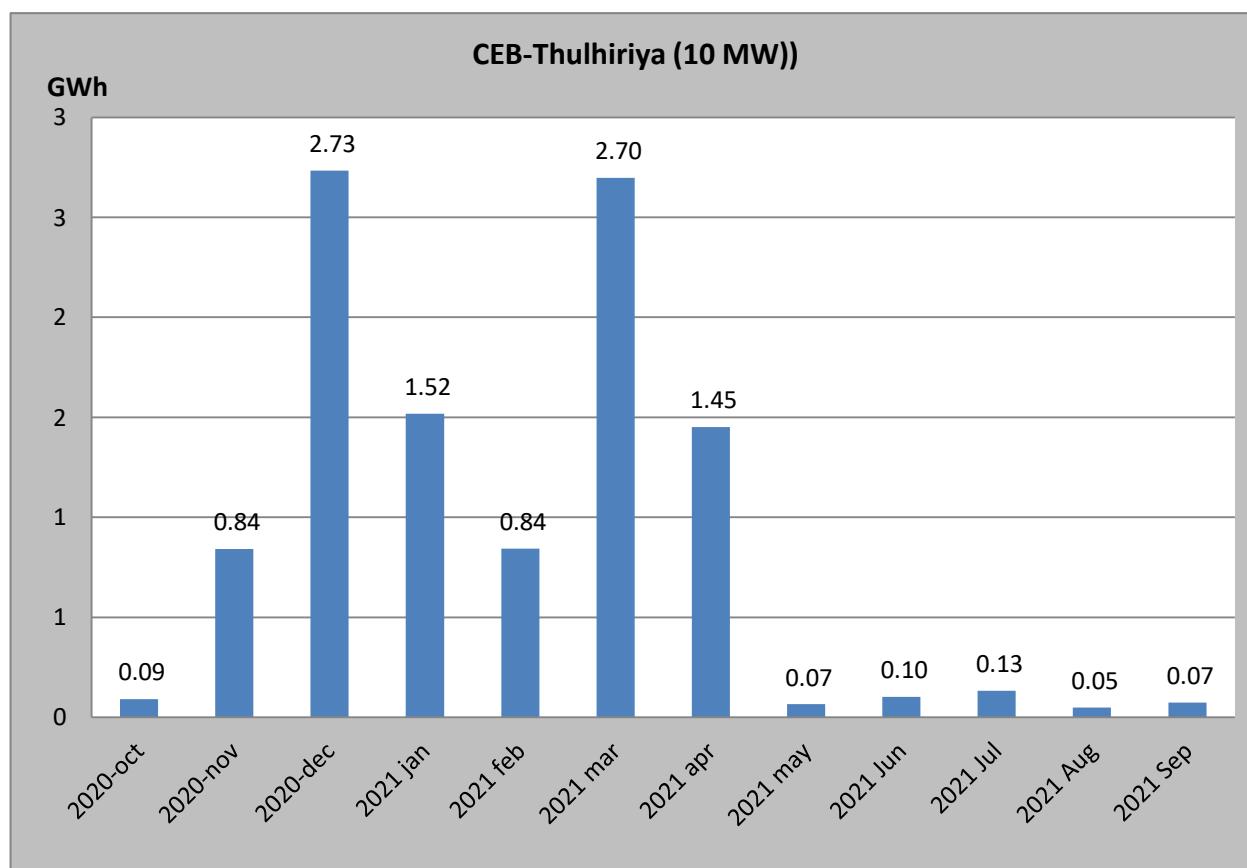
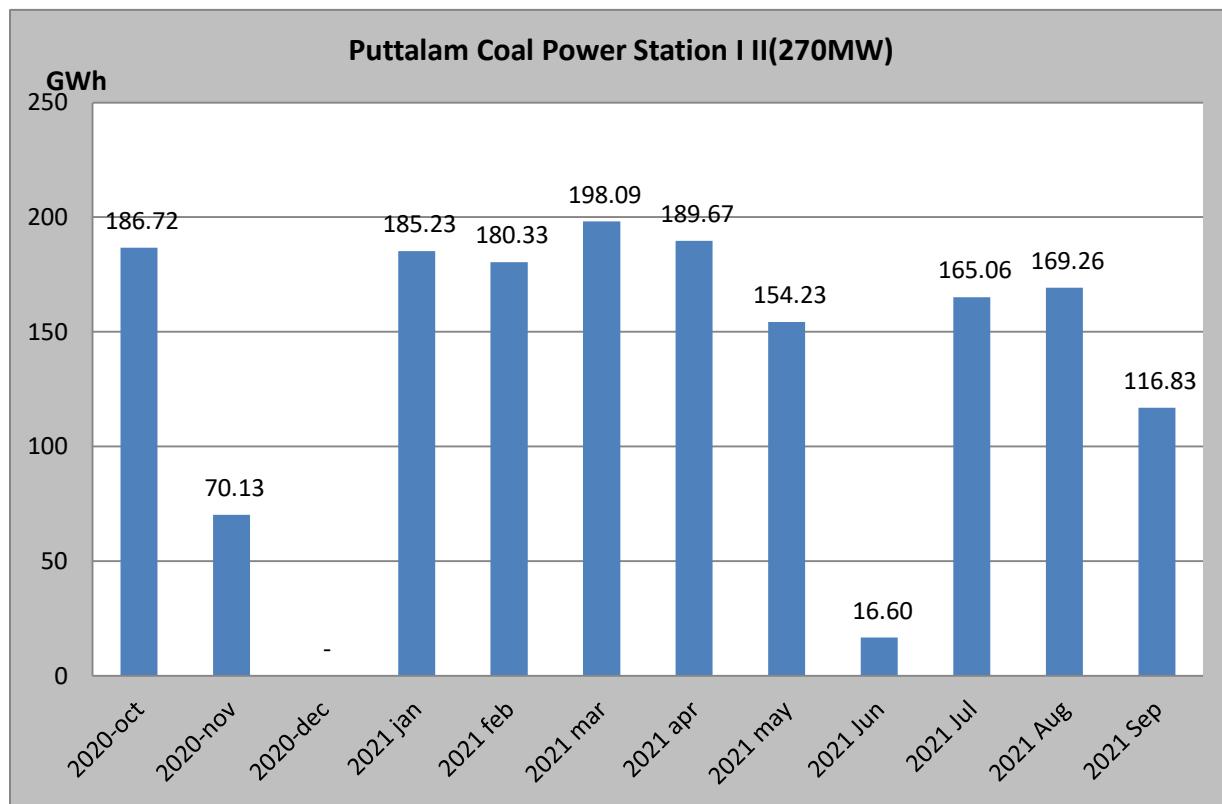


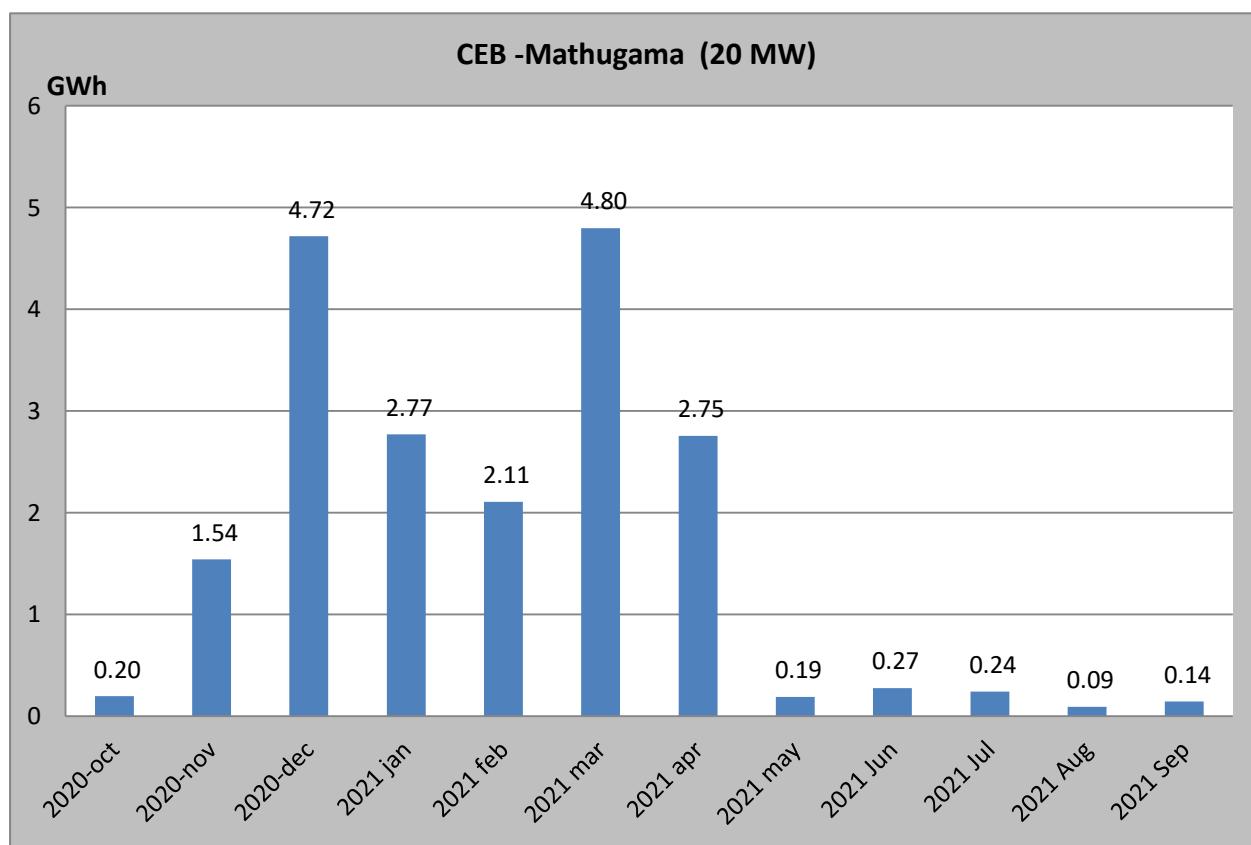
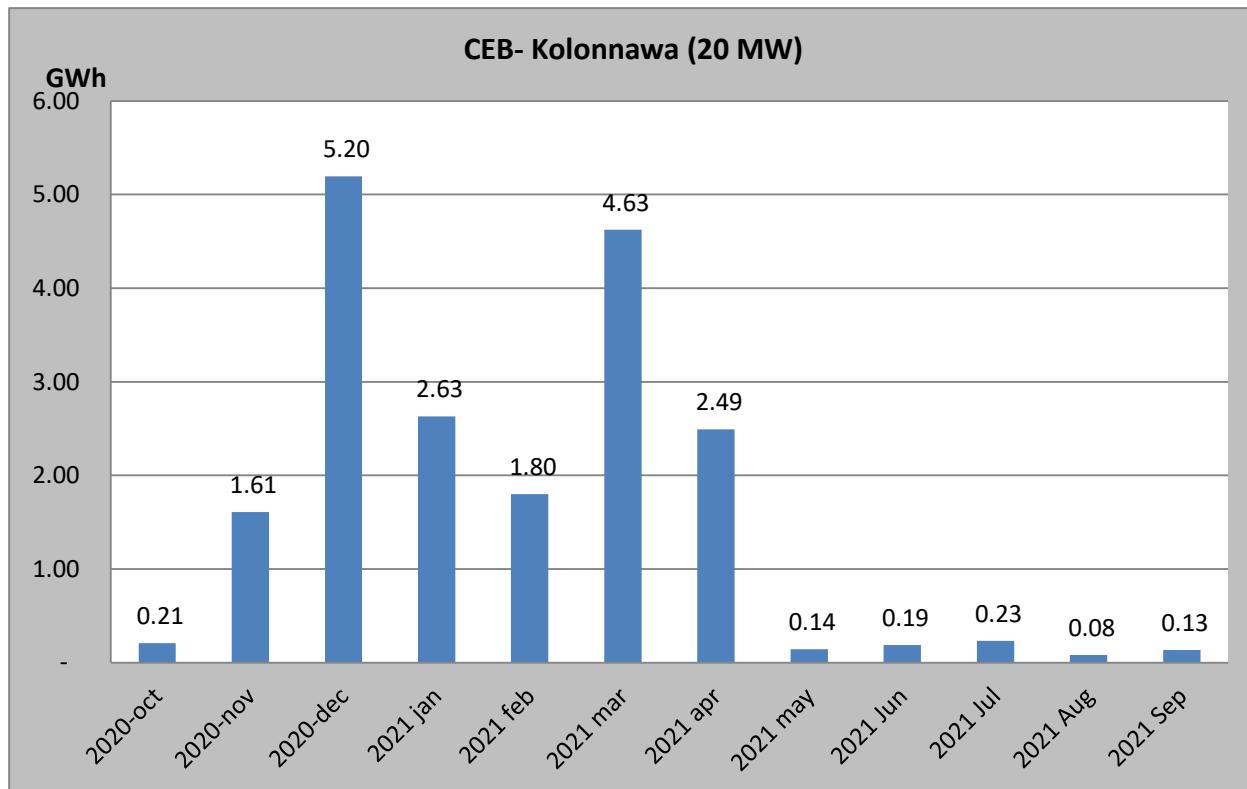


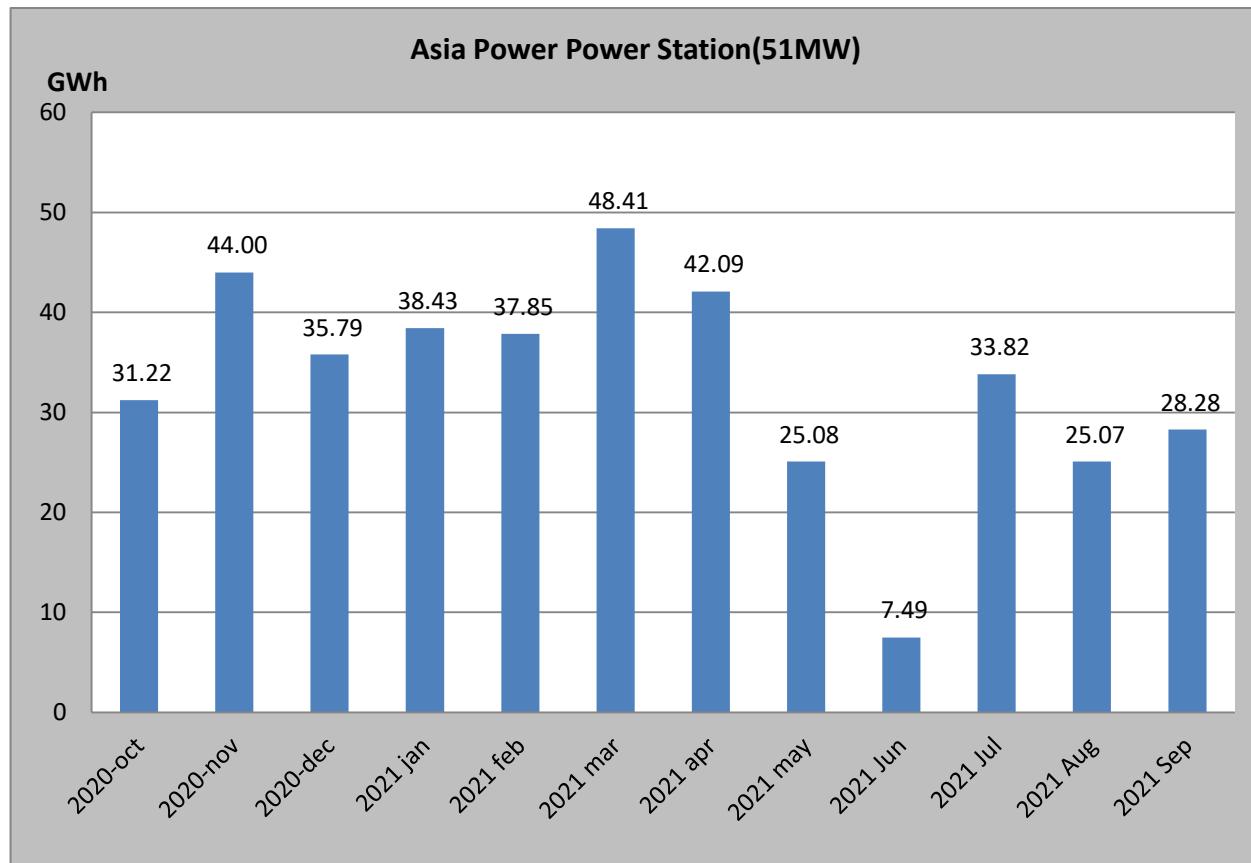


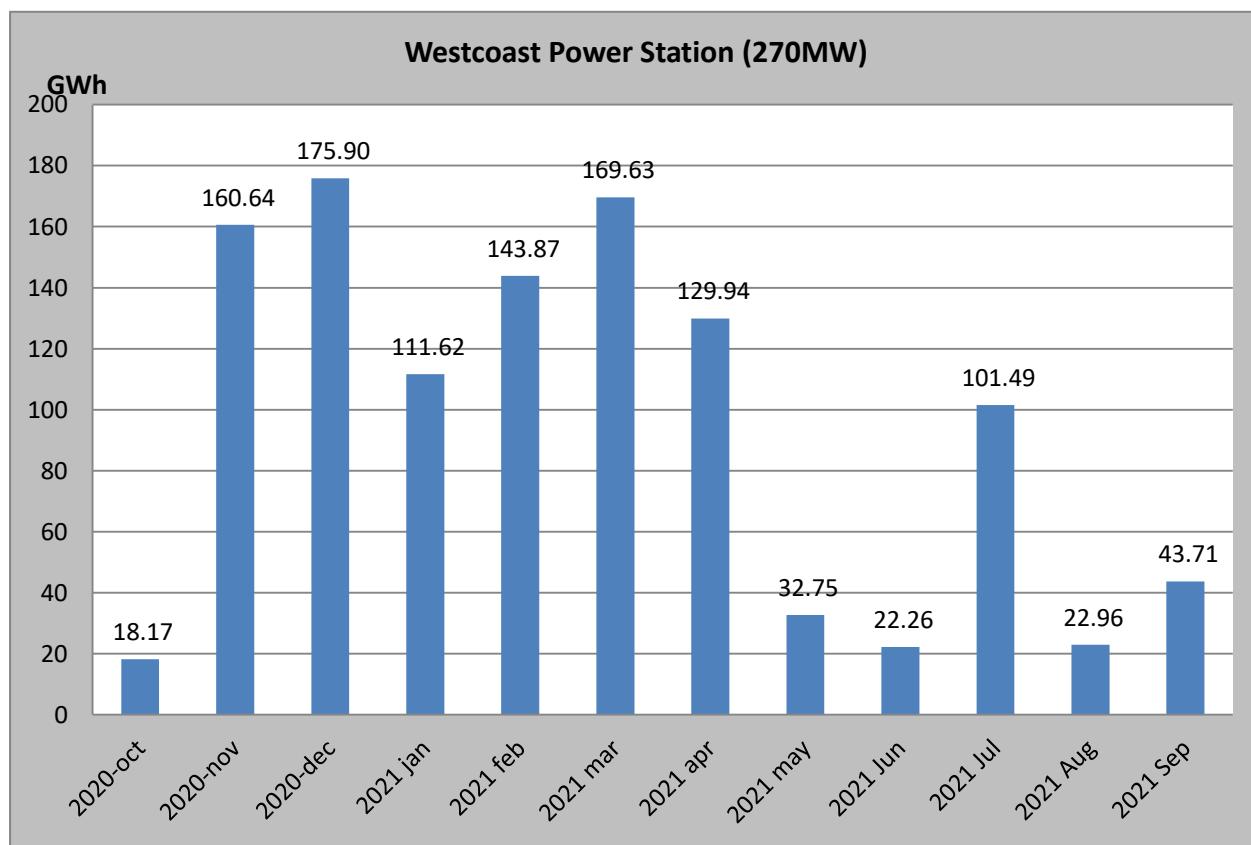
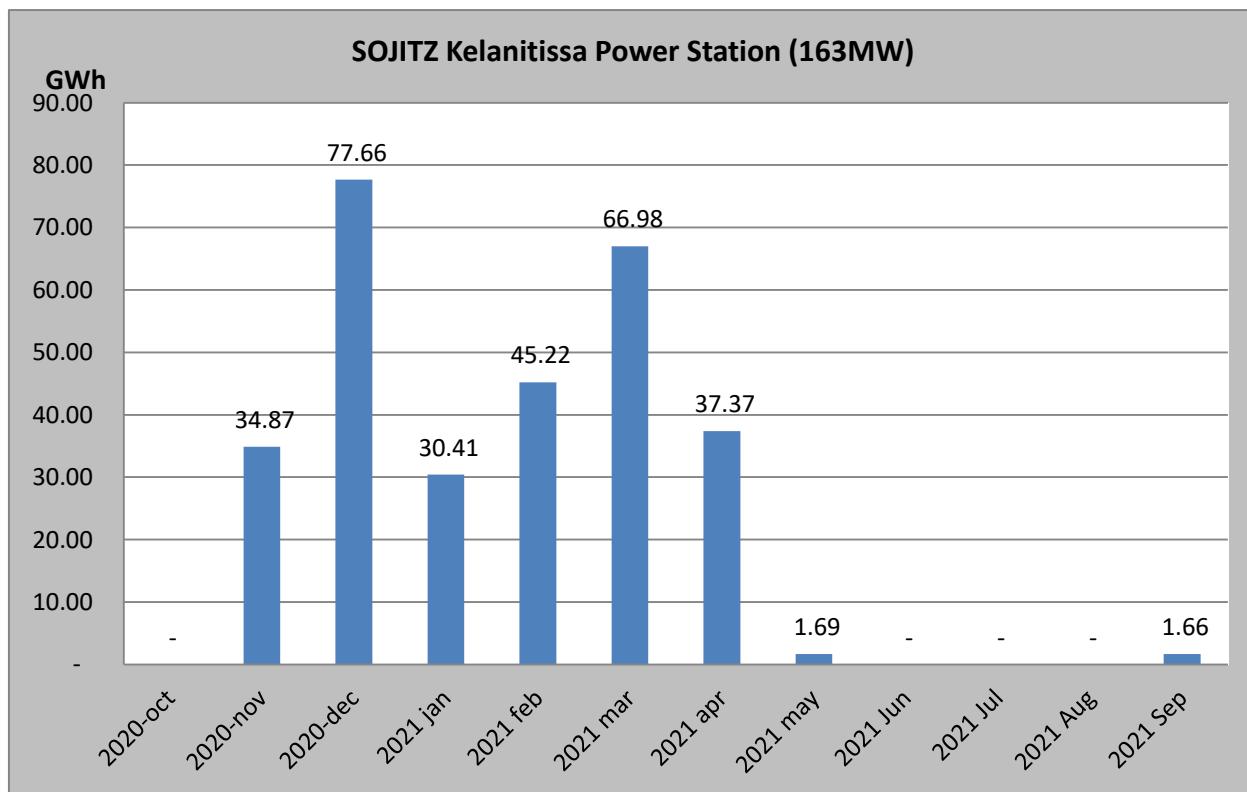


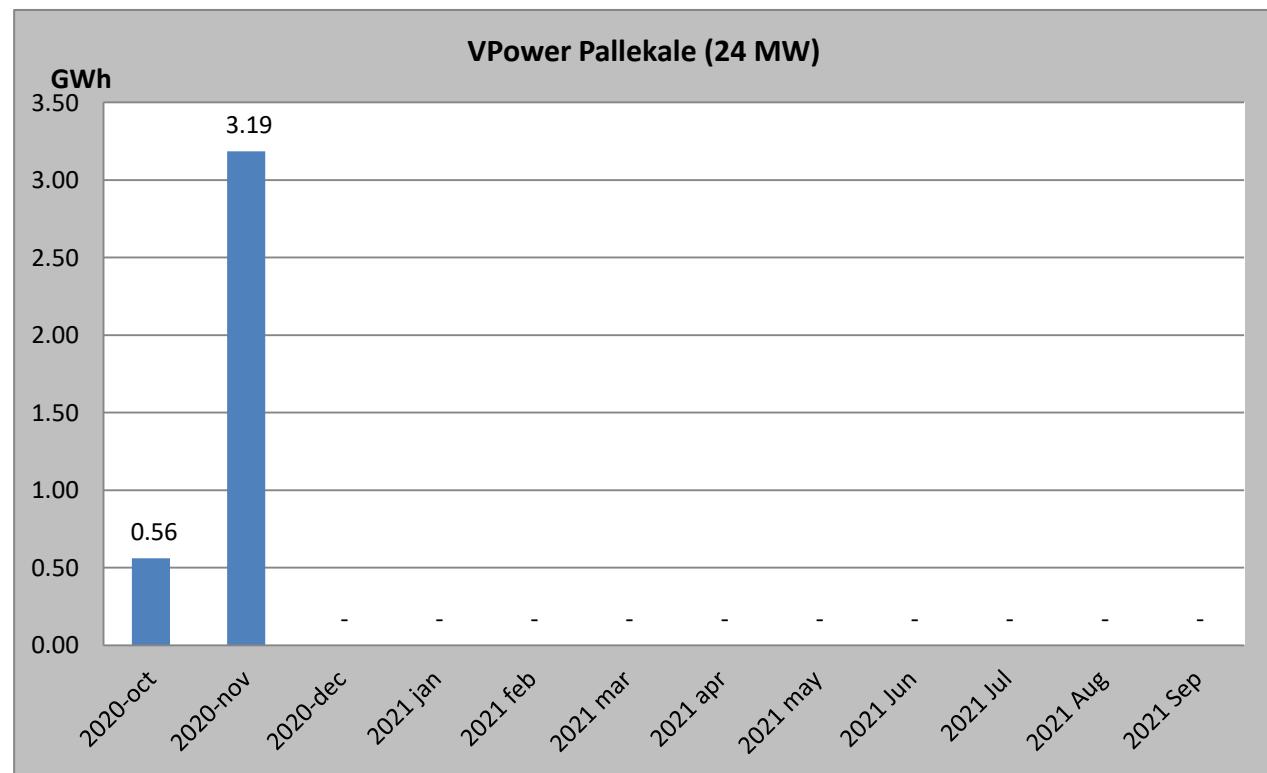
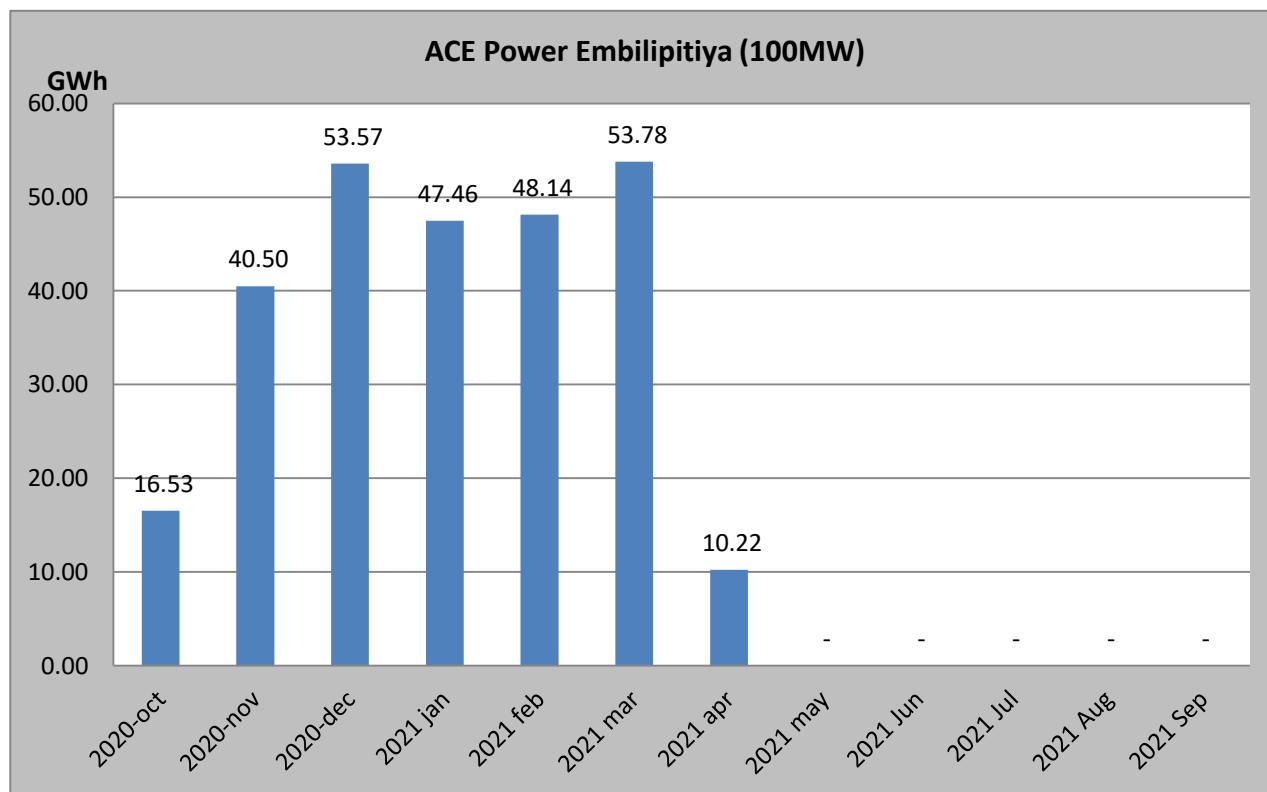


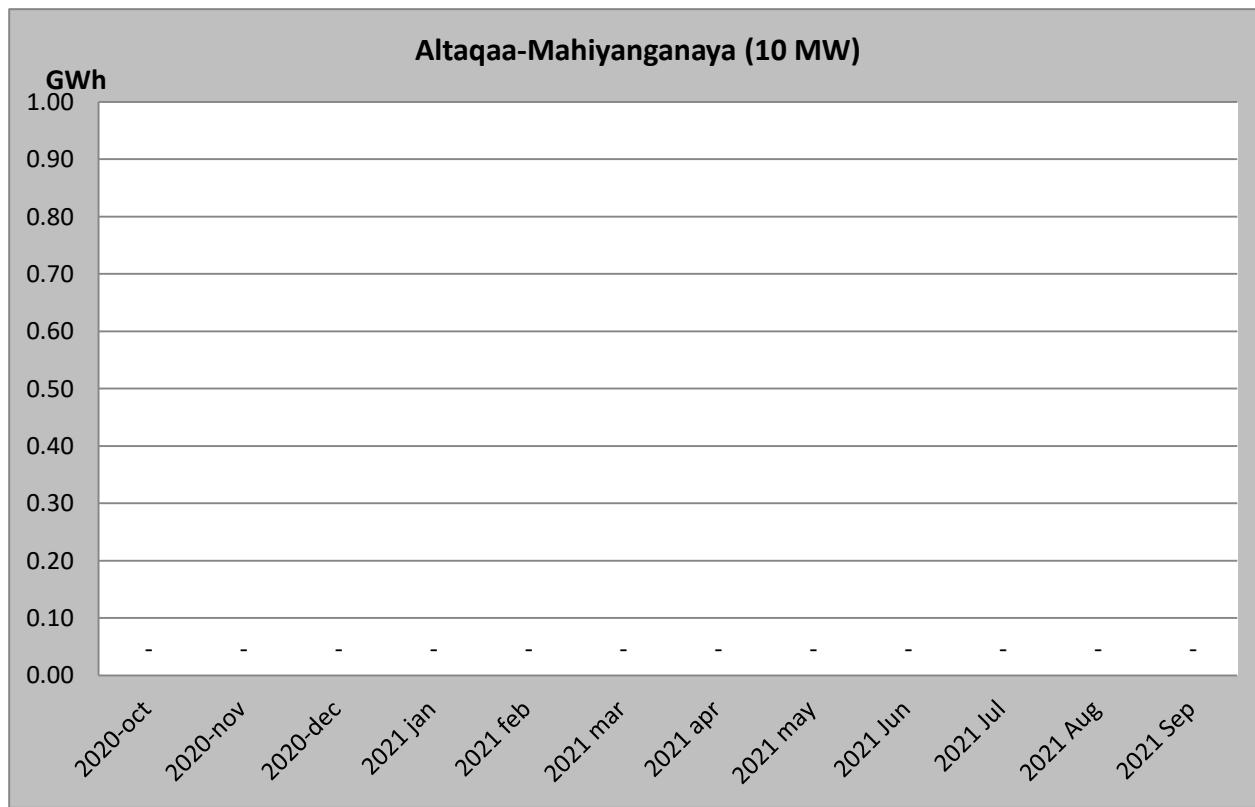
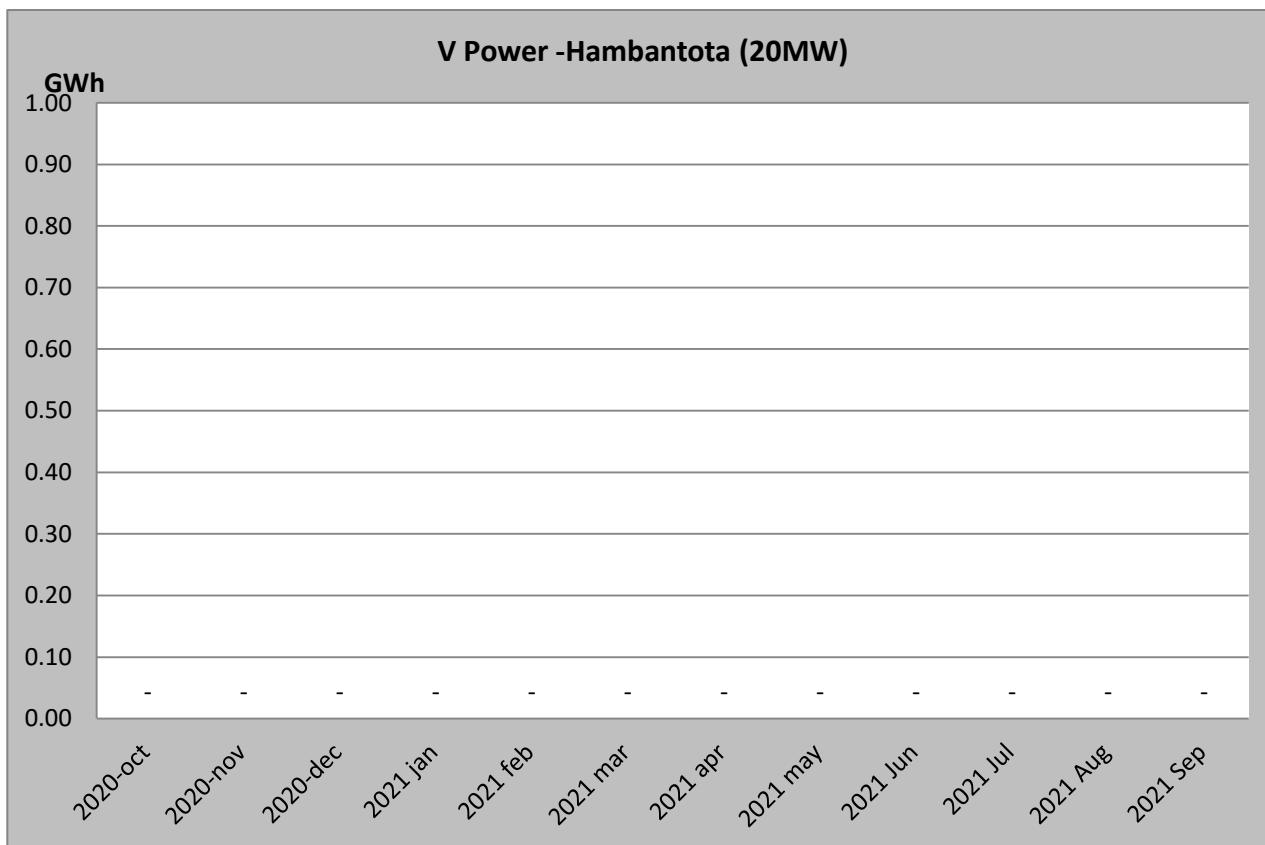


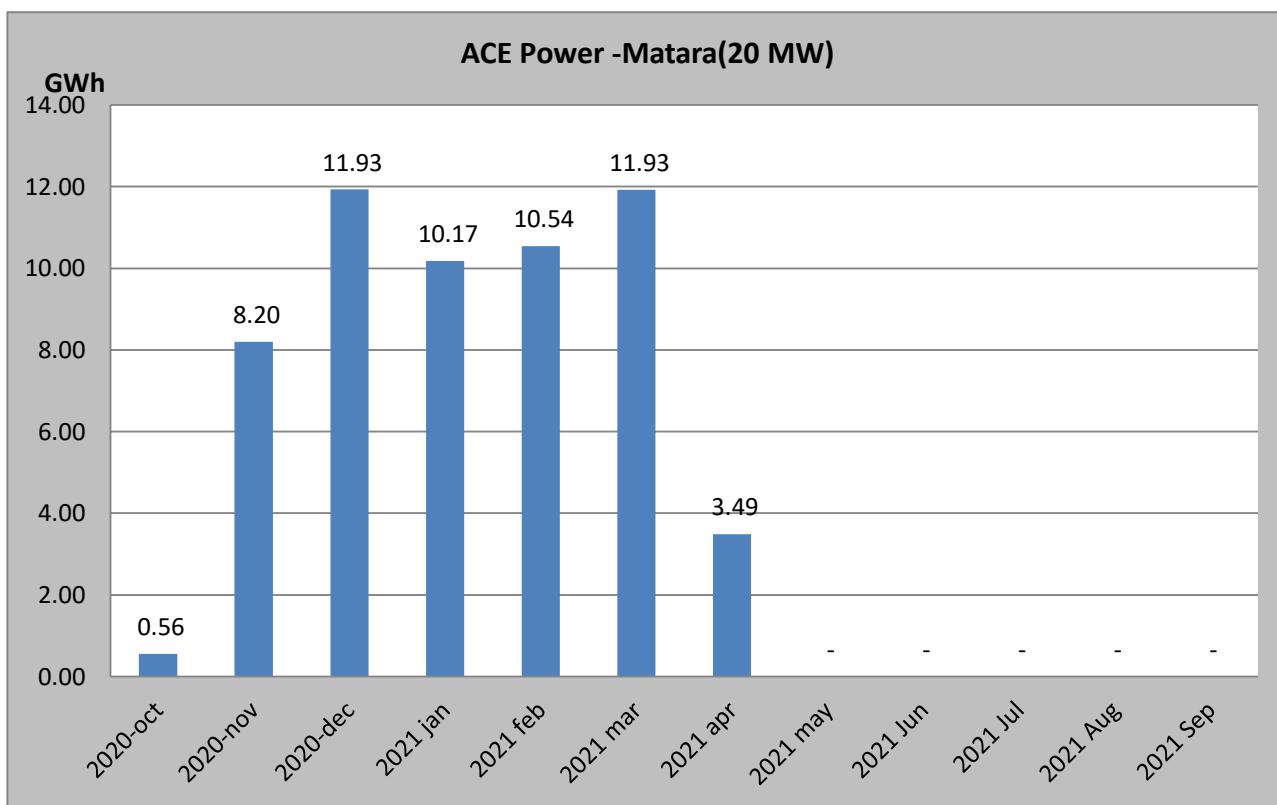
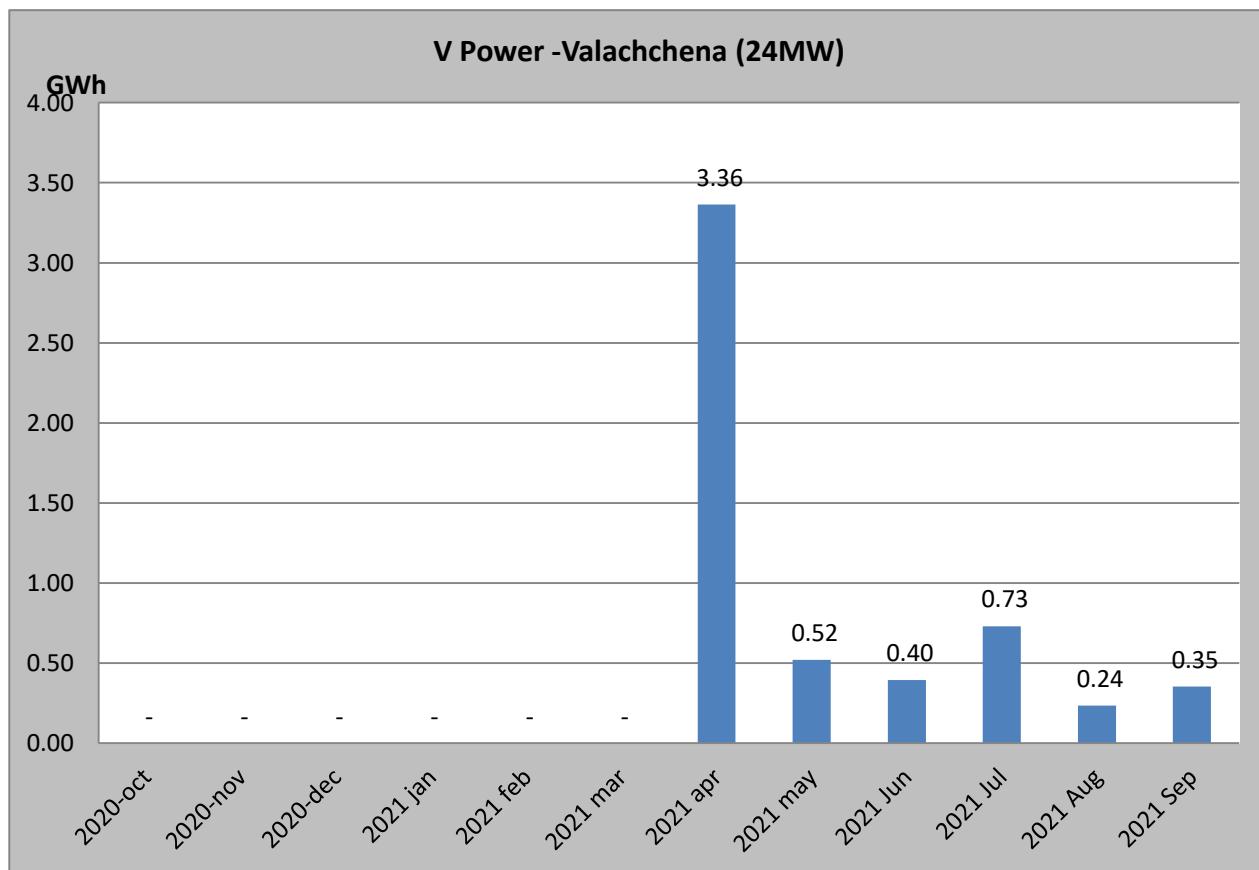












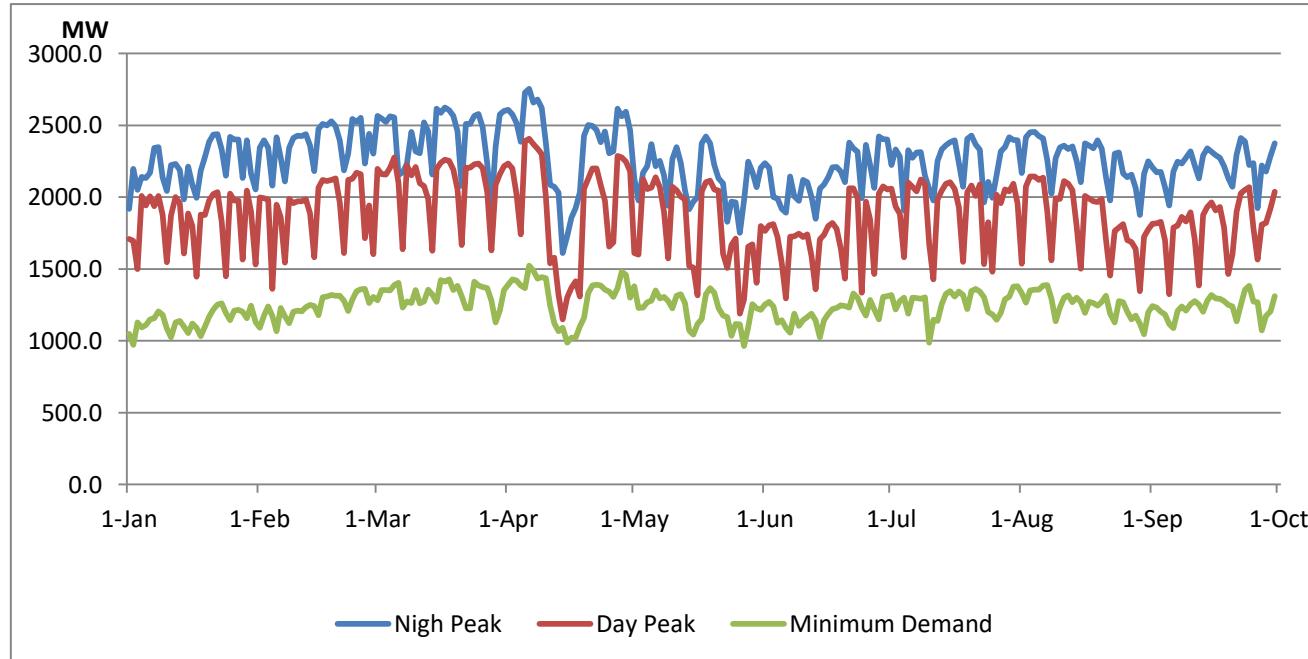
### 3 Peak Demand

During the month;

Highest Peak Demand	2,411 MW	on	22-Sep
Lowest Peak Demand	1,922 MW	on	26-Sep
Highest Day Peak Demand	2,069 MW	on	24-Sep
Minimum Demand	1,072 MW	on	27-Sep

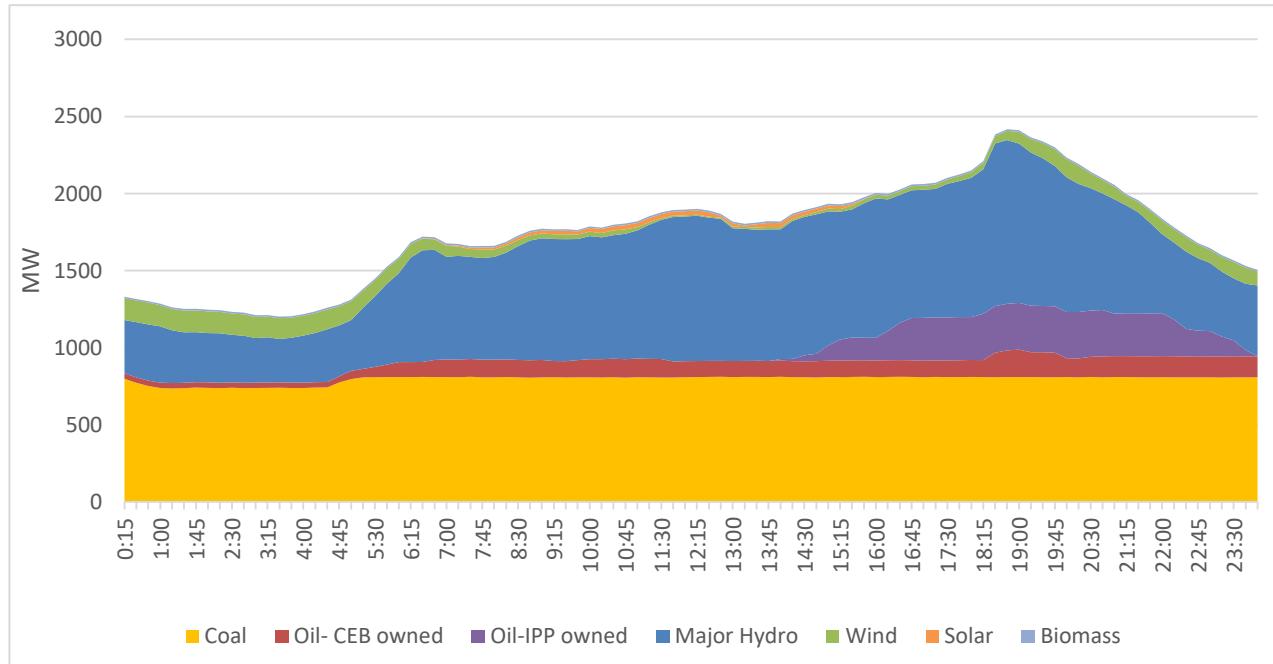
\*Demand figures are excluding the contribution from minihydro and biomass plants

#### 3.1 Demand Variation During the year

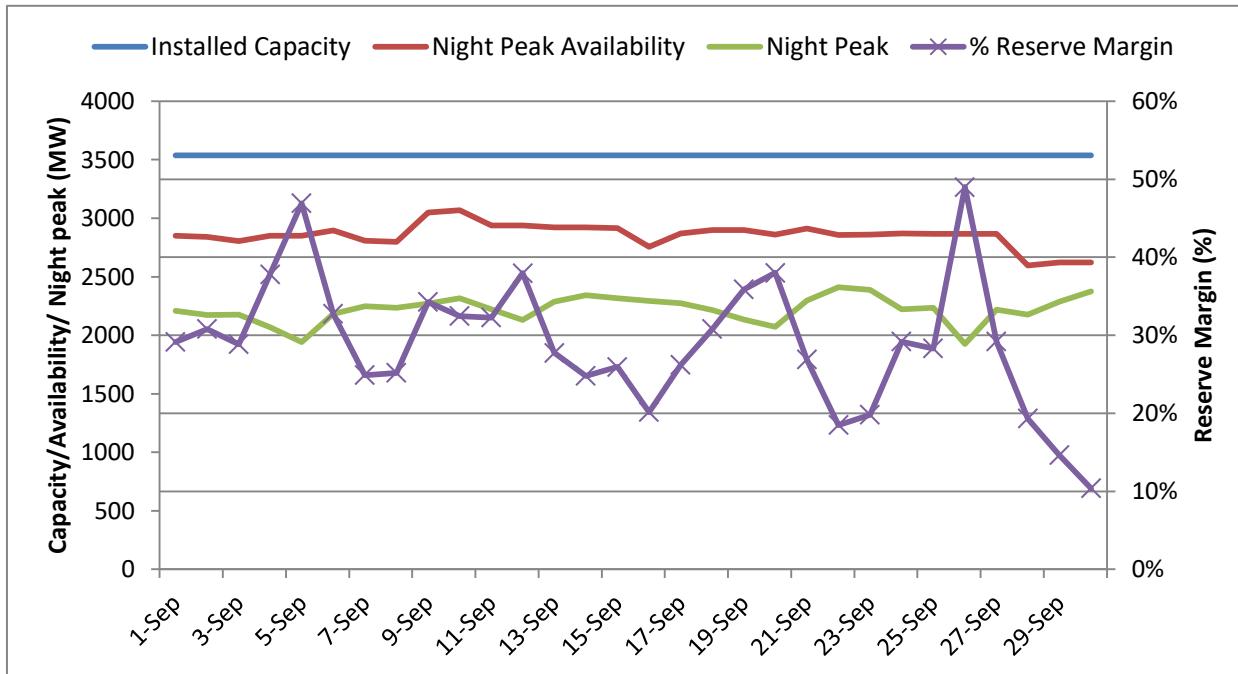


#### 3.2 Load Curve of the Day with Highest Night Peak ,

22-Sep



### 3.3 Variation of Reserve Margin During Night Peak

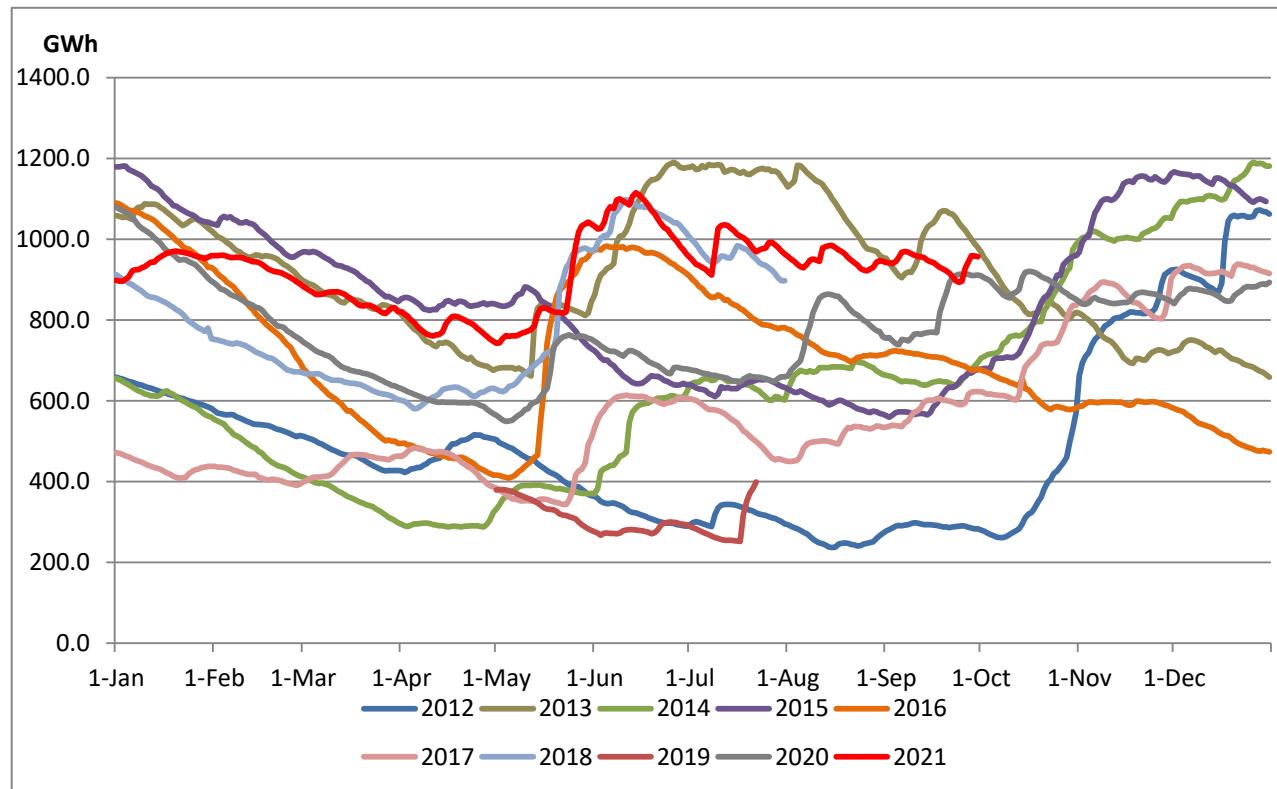


Note: Contribution from NCRE plants is not included

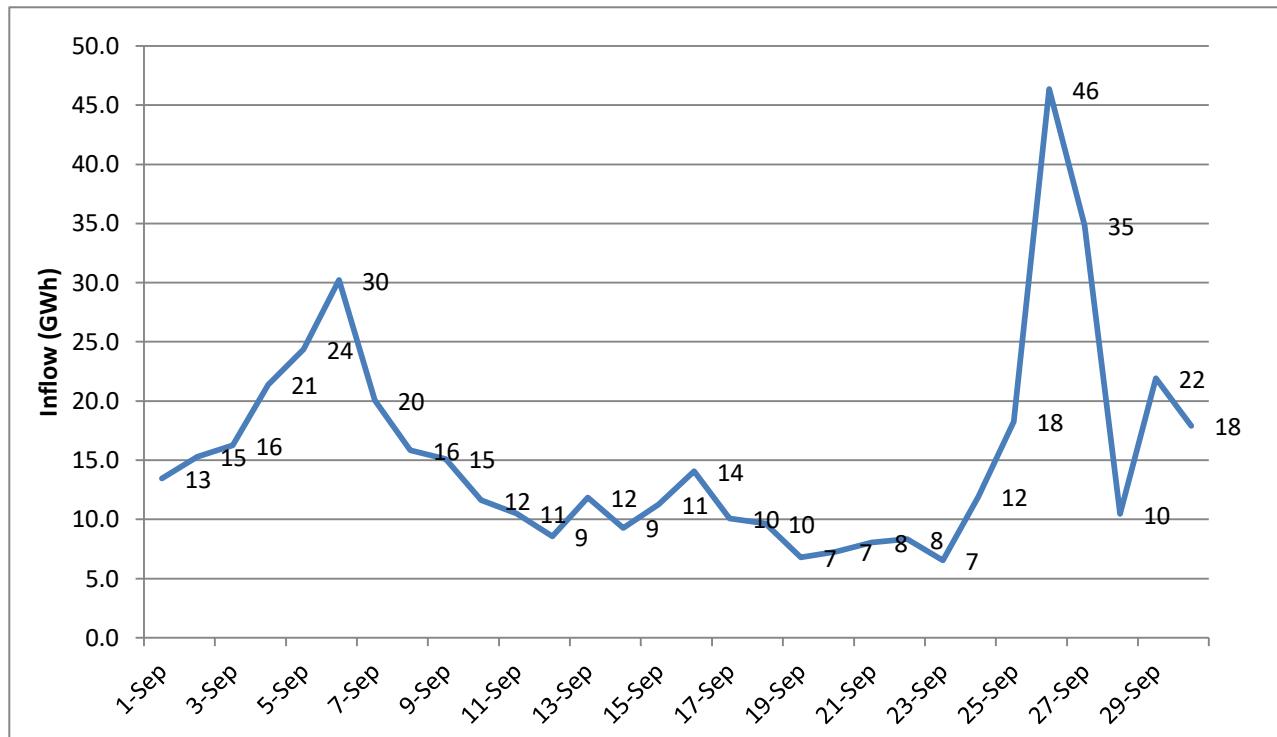
## 4 Reservoir Statistics

Total Reservoir level at the beginning	942.3 GWh
Total Reservoir level at the end	956.3 GWh
Total Inflow	492.52 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

