

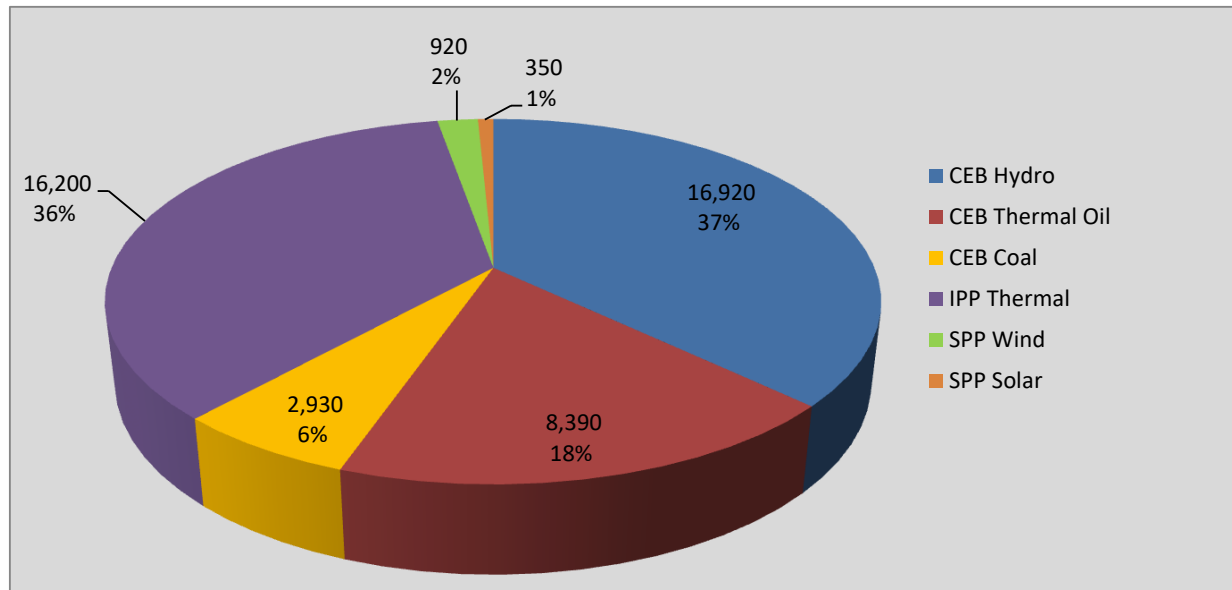
Generation and Reservoirs Statistics

August 21, 2020



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation 45,710 MWh

Note: Generation from other SPPs (Mini Hydro and Biomass) is not included

Cumulative Dispatch

Note: Generation from other SPPs (Mini Hydro, small scale Solar and Biomass) is not included

For Current Month

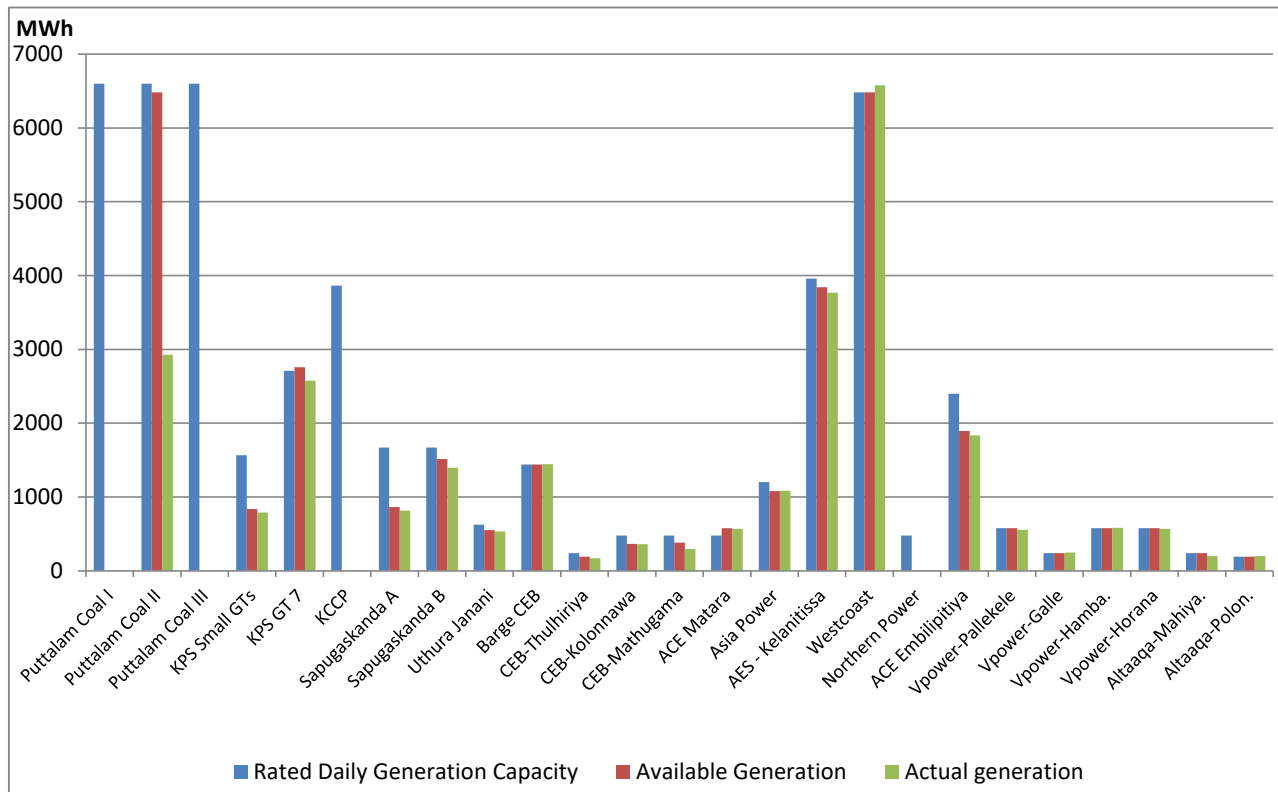
Category	Dispatch (GWh)	
CEB Hydro	329.0	41.20%
CEB Thermal Oil	62.1	7.78%
CEB Coal	298.9	37.42%
IPP Thermal	77.0	9.64%
SPP Wind	25.9	3.24%
SPP Solar	5.8	0.72%
Total	798.7	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	2,191.8	23.88%
CEB Thermal Oil	1,009.4	11.00%
CEB Coal	3,868.3	42.15%
IPP Thermal	1,835.8	20.00%
SPP Wind	207.8	2.26%
SPP Solar	65.5	0.71%
Total	9,178.4	

Thermal Plant Dispatch on

August 21, 2020

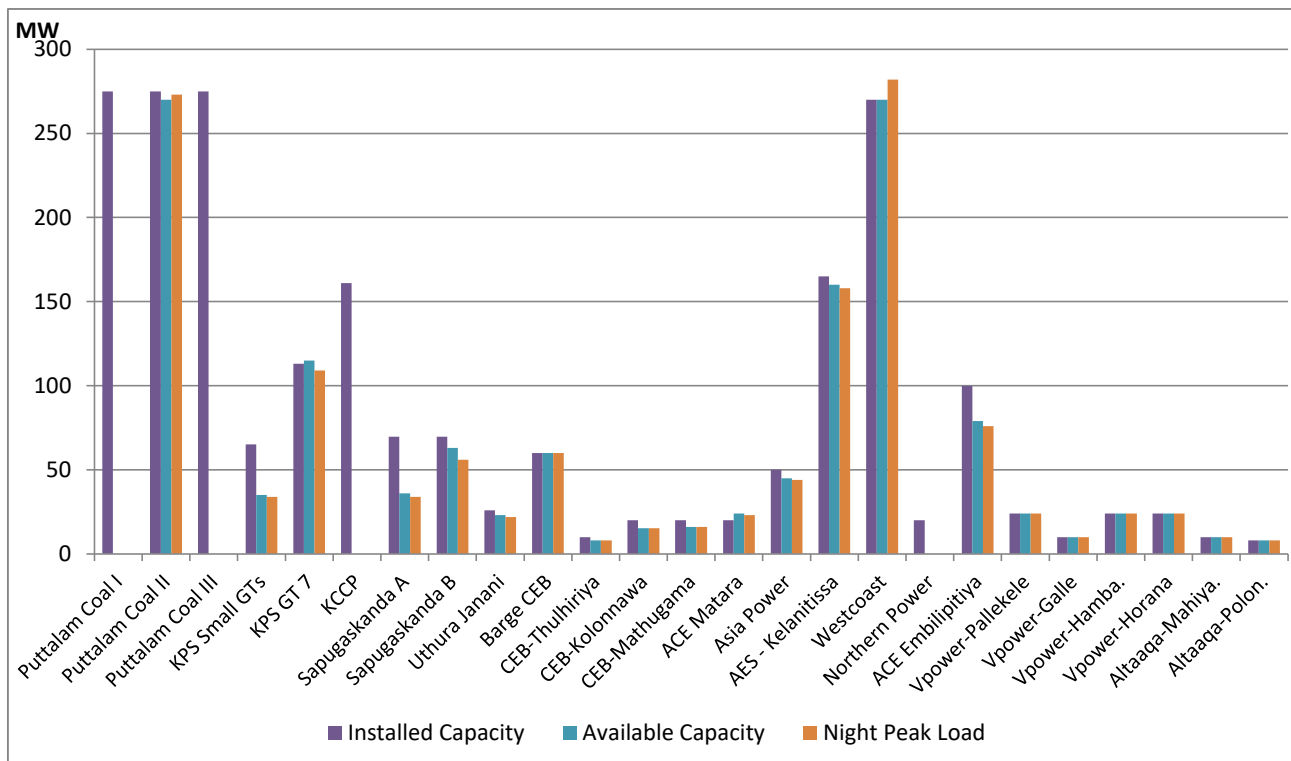


Note- Available Generation is estimated based on plant availability at 6.00am on

August 22, 2020

Thermal Plant Loading at Night Peak on

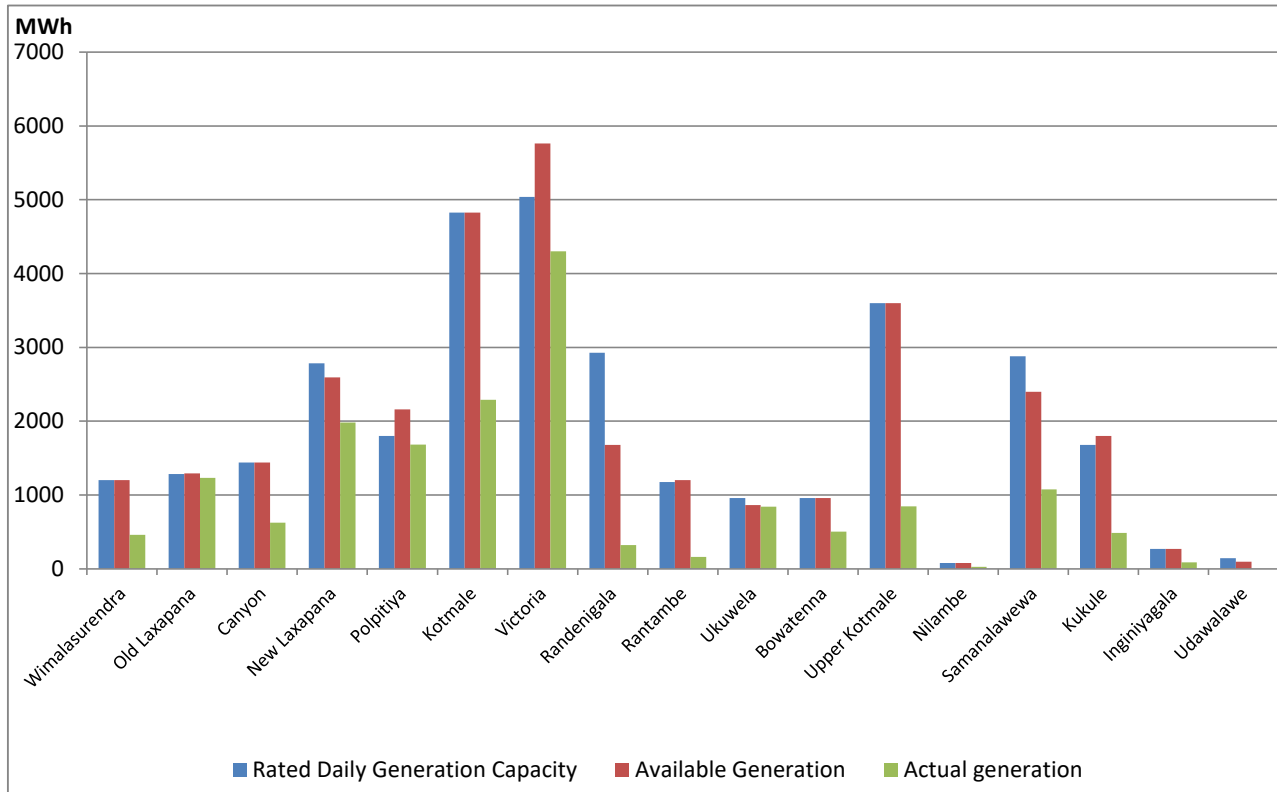
August 21, 2020



Note- Plant availability is recorded at 6.00 am on August 22, 2020

Major Hydro Plant Dispatch on

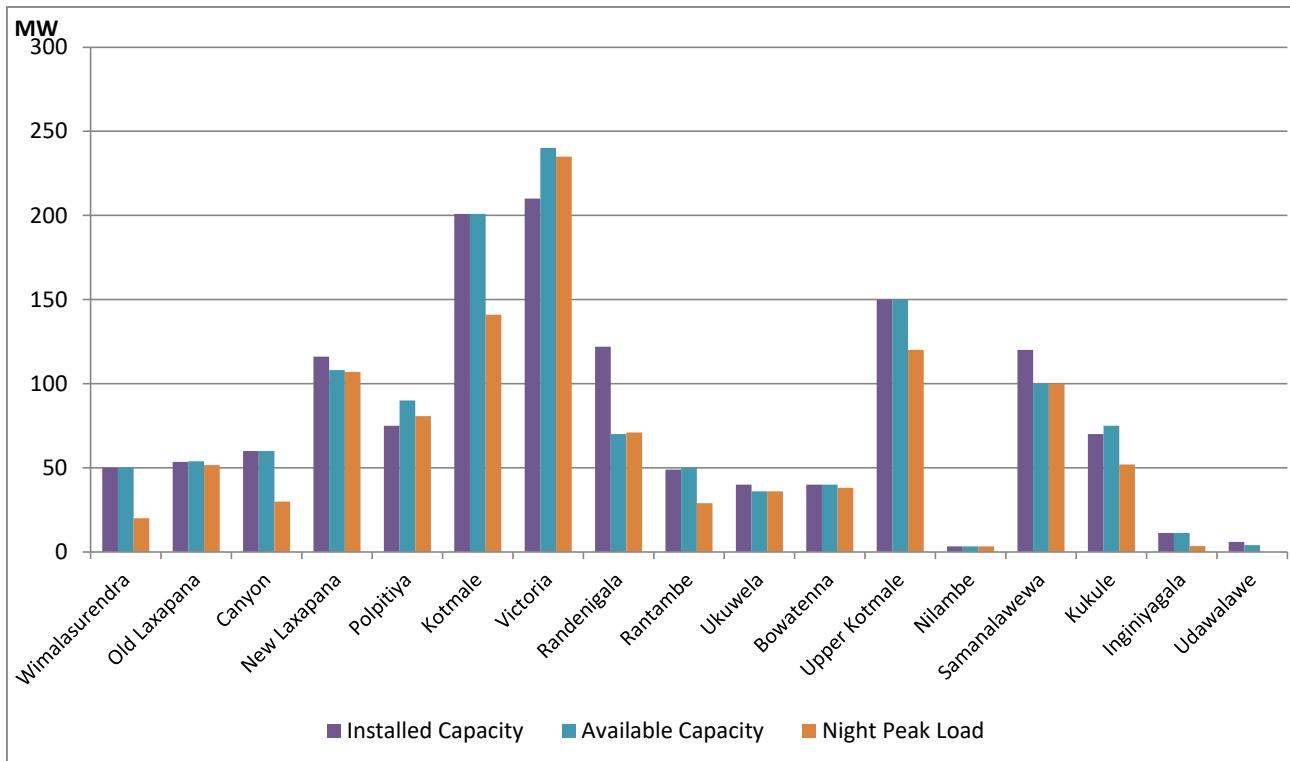
August 21, 2020



Note- Available Generation is estimated based on plant availability at 6.00am on August 22, 2020

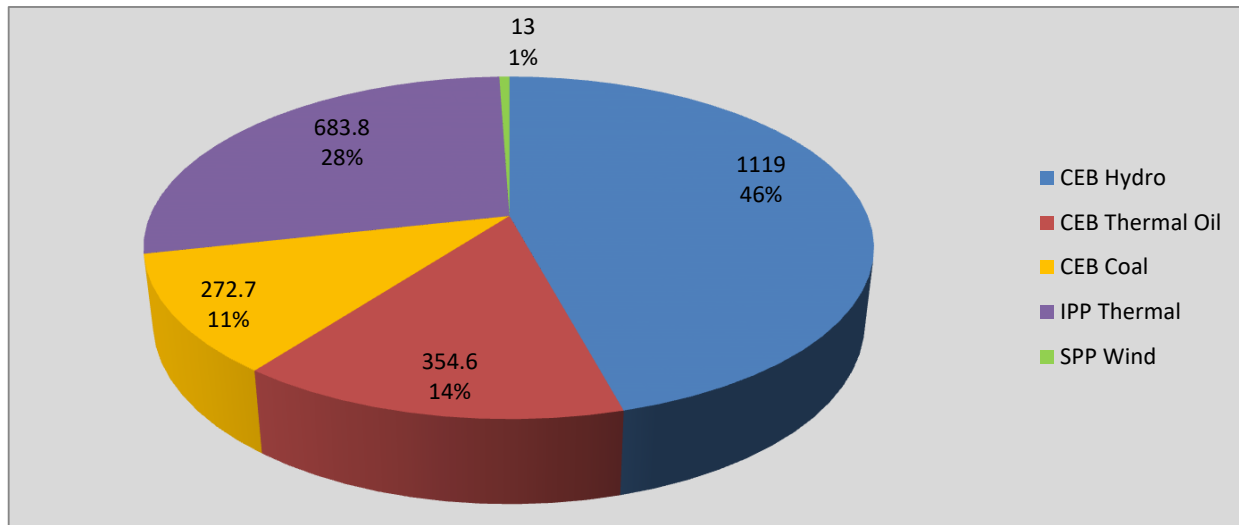
Major Hydro Plant Loading at Night Peak on

August 21, 2020



Note- Plant availability is recorded at 6.00 am on August 22, 2020

Contribution to the Night Peak in MW



Night Peak*	2,443.0 MW
Day Peak	2,154.6 MW
Minimum Demand	1,360.6 MW

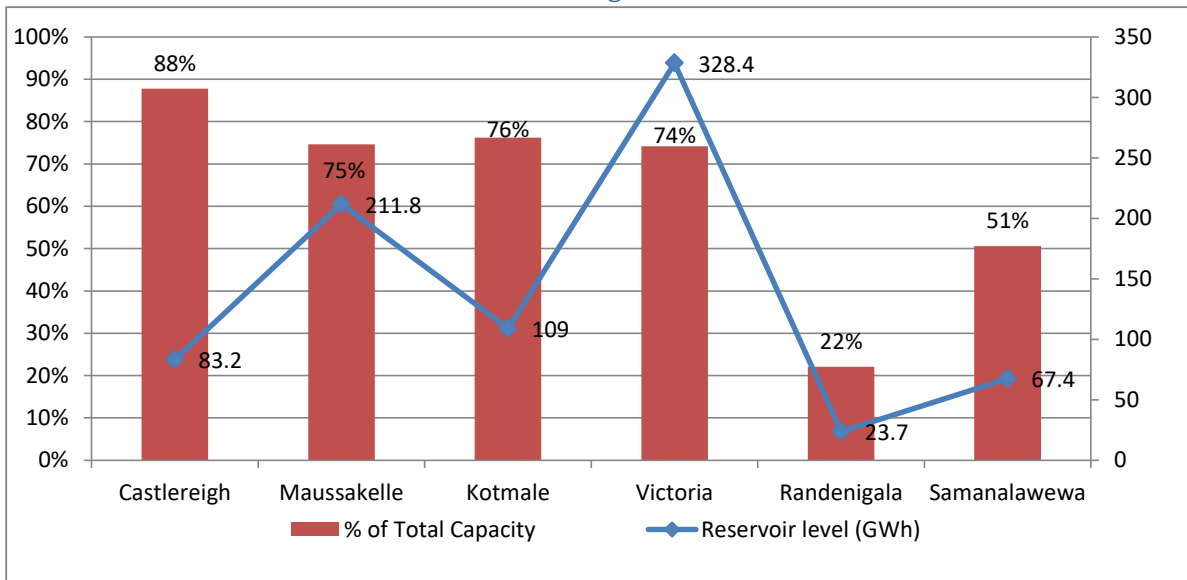
Notes:

*The above chart pattern and night peak figure is presented excluding the contribution of Moragahakanda, other minihydro and biomass power plants from June 8 2020 onwards

**Day peak and Minimum demand includes the contribution from Moragahakanda, wind and solar plants

* in addition to the night peak figure presented above, Moragahakanda plant, other MiniHydro and Biomass Plants of installed capacity 203.00 MW has recorded total 60.50 MW at the night peak

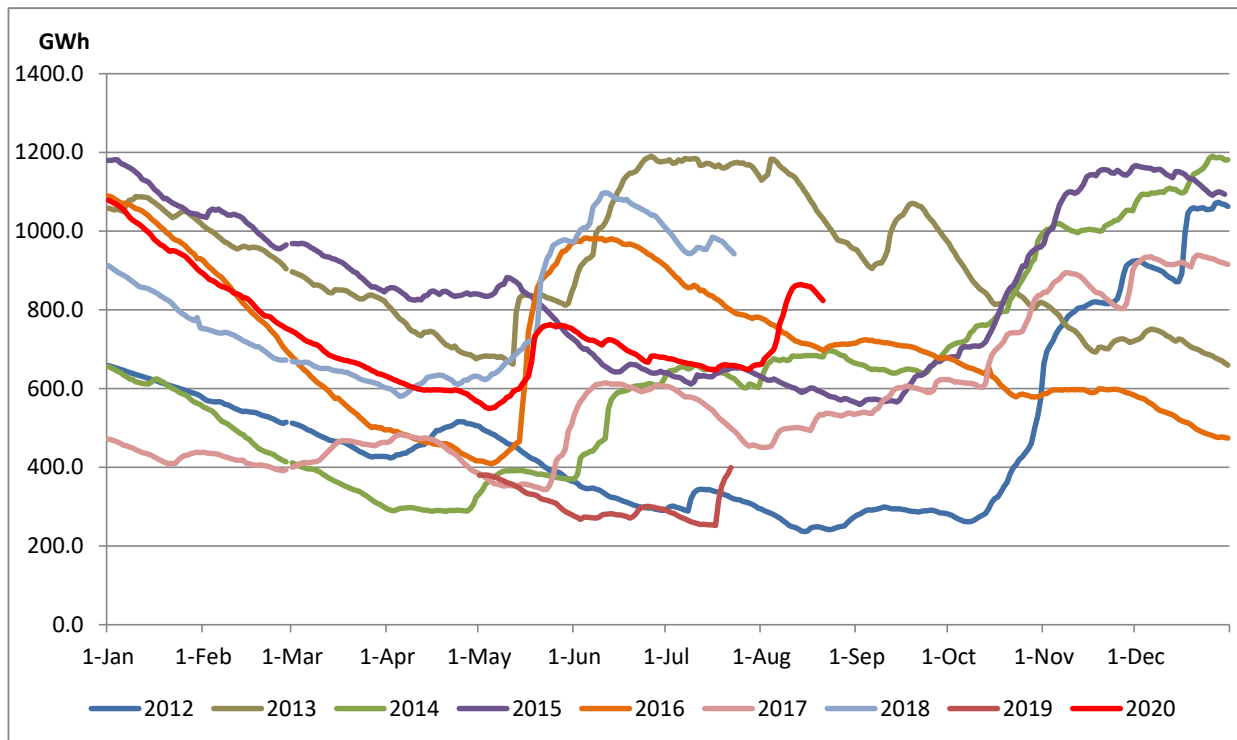
Reservoir Levels - as at 06.00 Hr on August 22, 2020



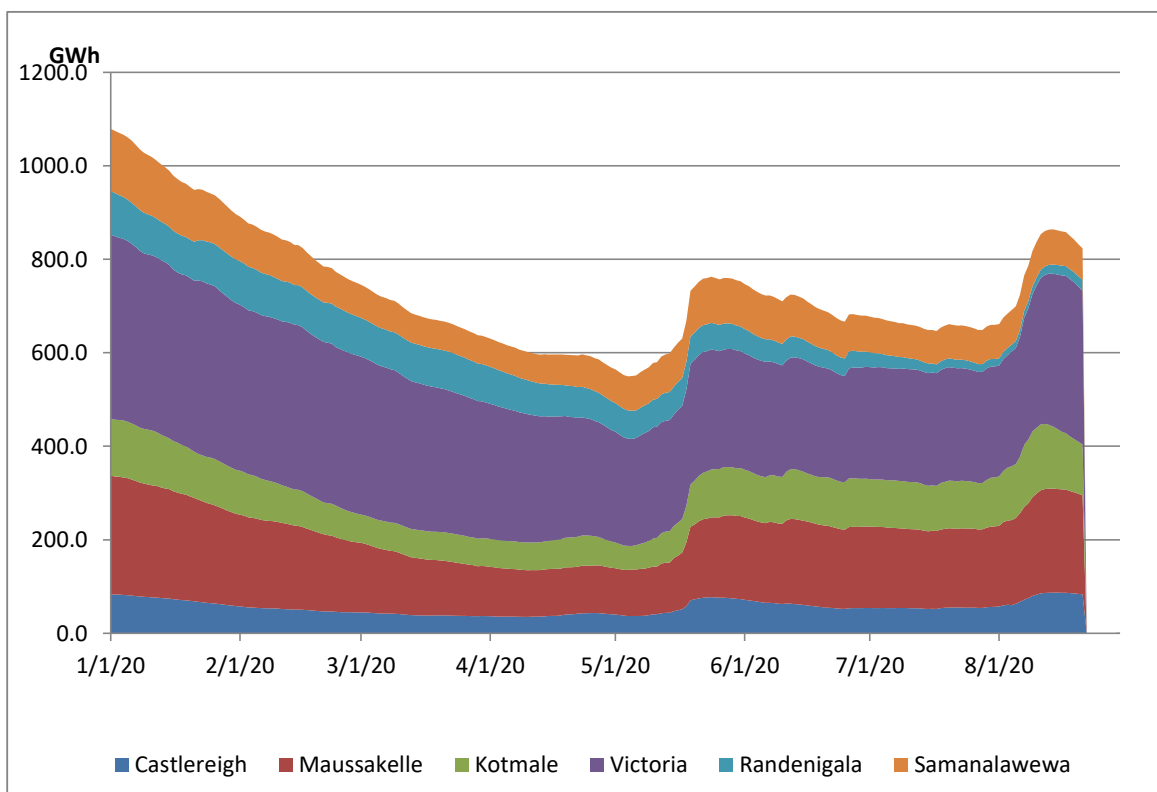
Total Reservoir Level(GWh)	823.5
% of Total capacity	68.3%

Comparison of Total Reservoir Storage Levels with Past Years

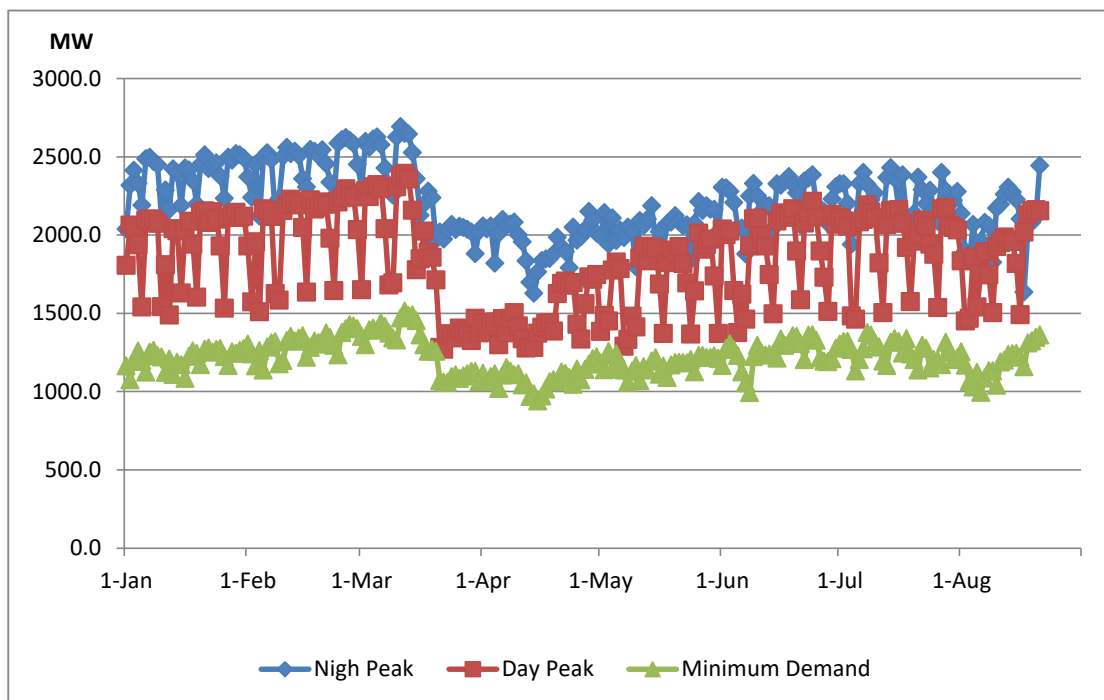
Data from June 2018 to March 2020 are not indicated in the graph



Variation of Major Hydro Reservoir Levels in the current year (GWh)



Variation of Demand during the current year



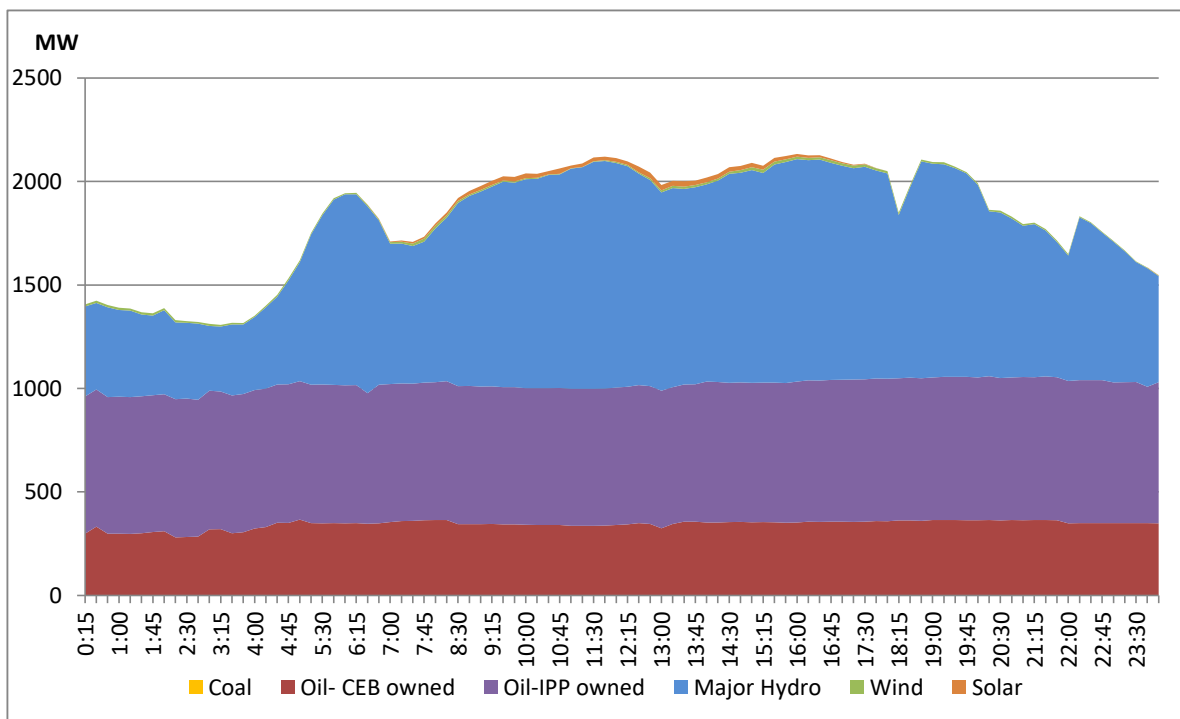
Notes: The night peak graph in the above chart is revised from June 8, 2020 to exclude the contribution from Minihydro and biomass power plants contribution

Day peak and minimum demand graphs includes the contribution from Moragahakanda power plant

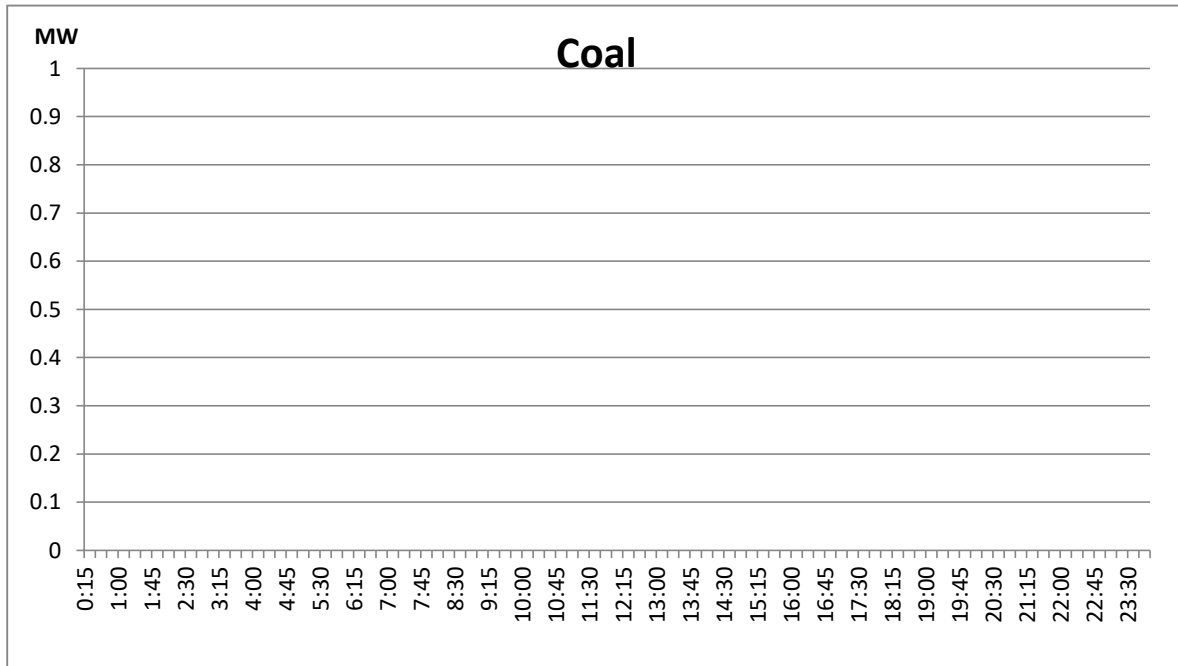
All graphs include the contribution telemetered from solar and wind plants

Daily Load Curve - August 20, 2020

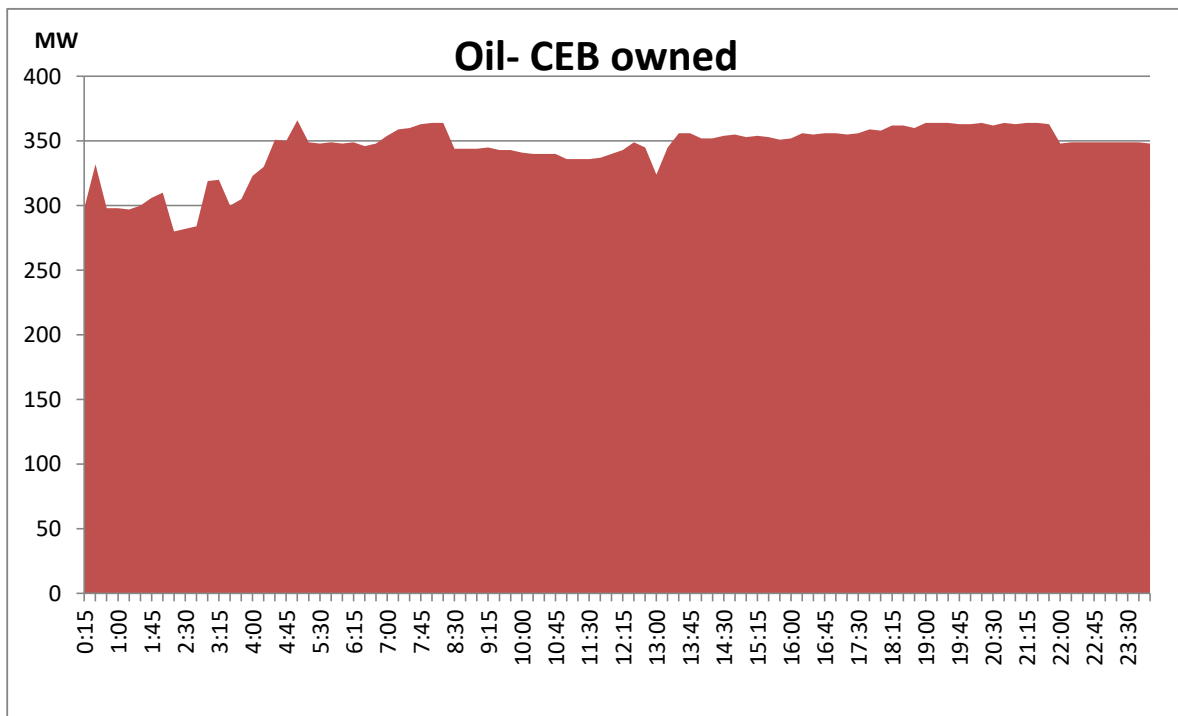
Solar and wind data is based on Telemetered Power Stations only



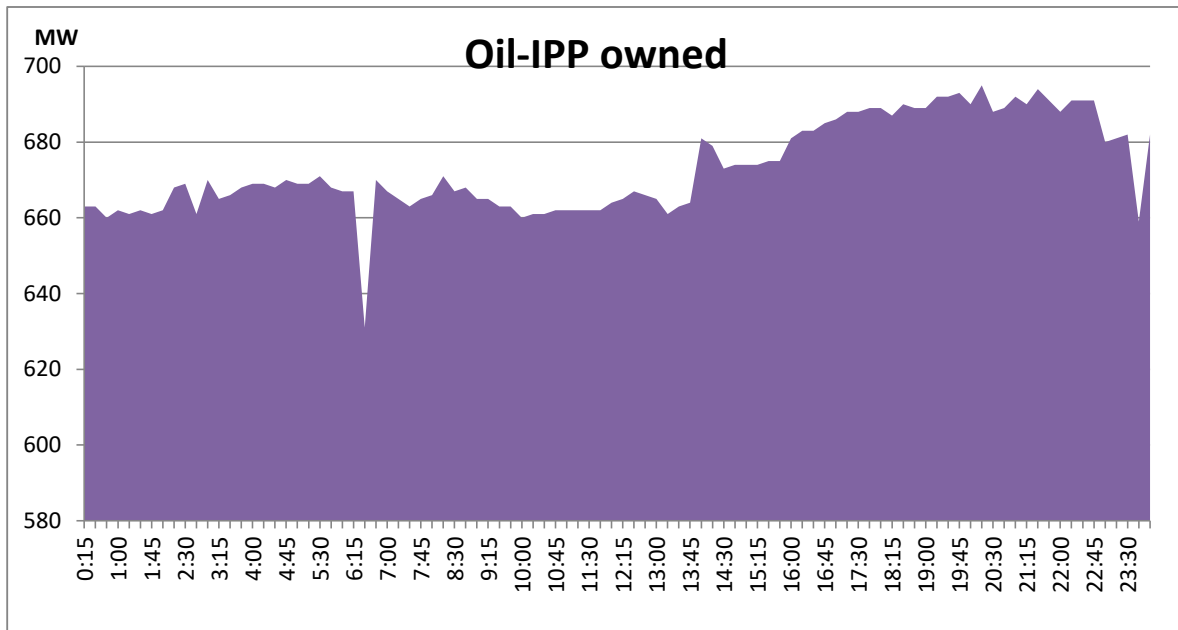
Coal generation during the day, August 20, 2020



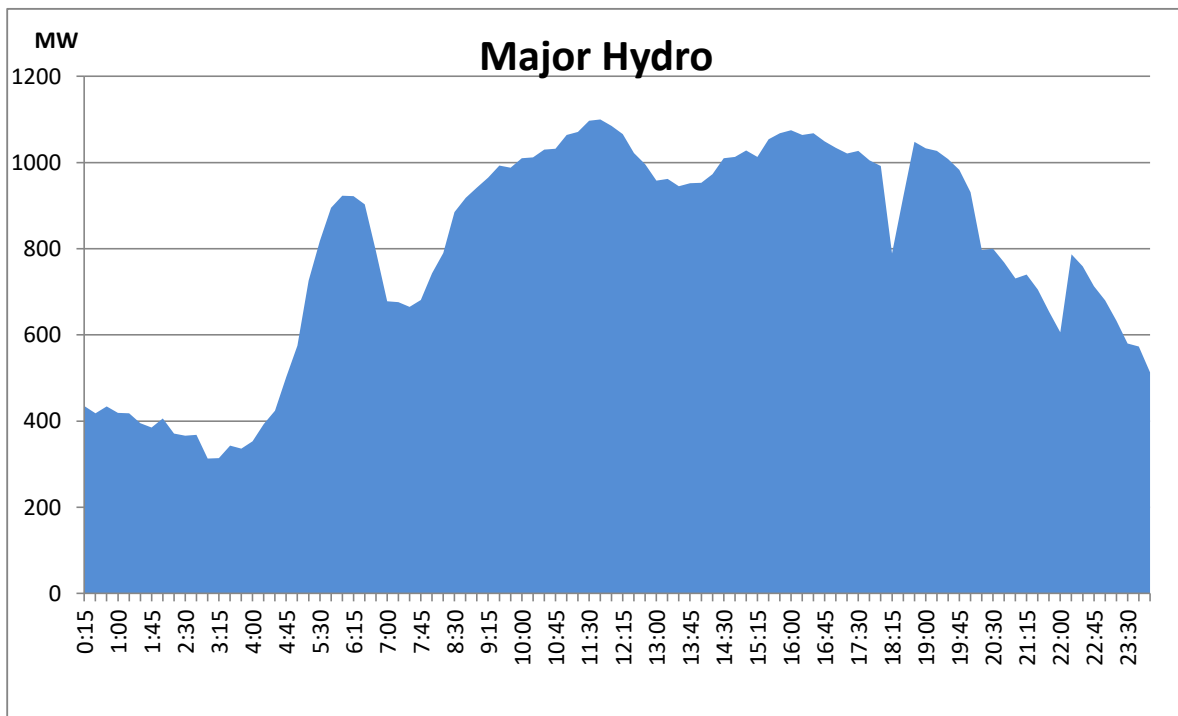
CEB Oil plant generation during, August 20, 2020



IPP Oil Plant generation during , August 20, 2020

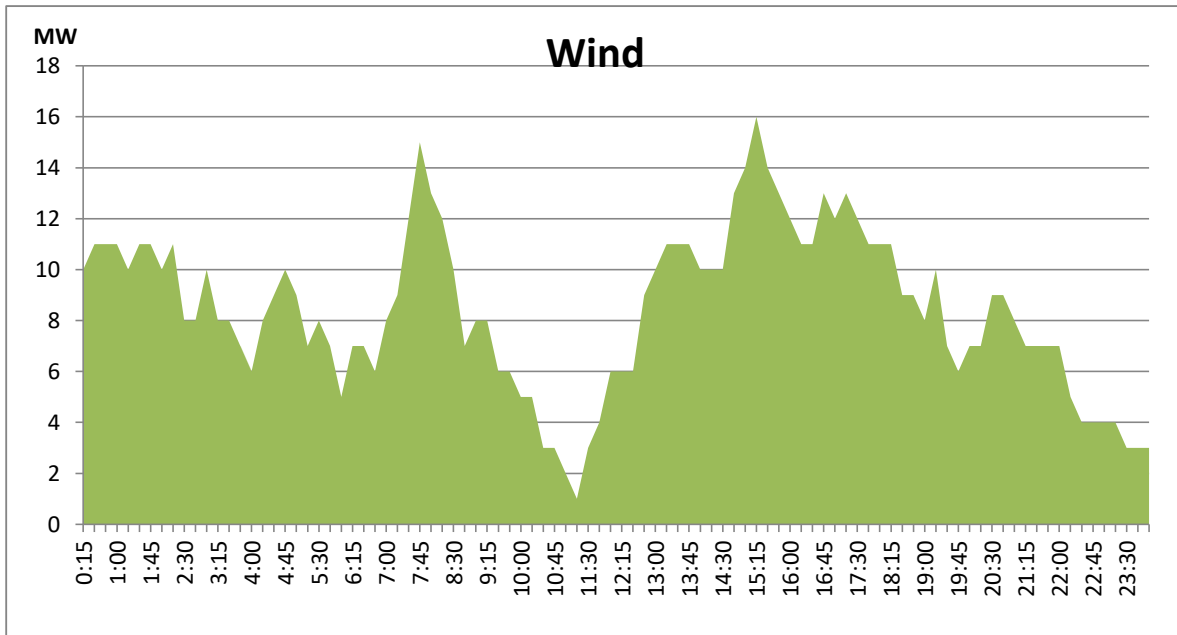


Major Hydro generation during the August 20, 2020



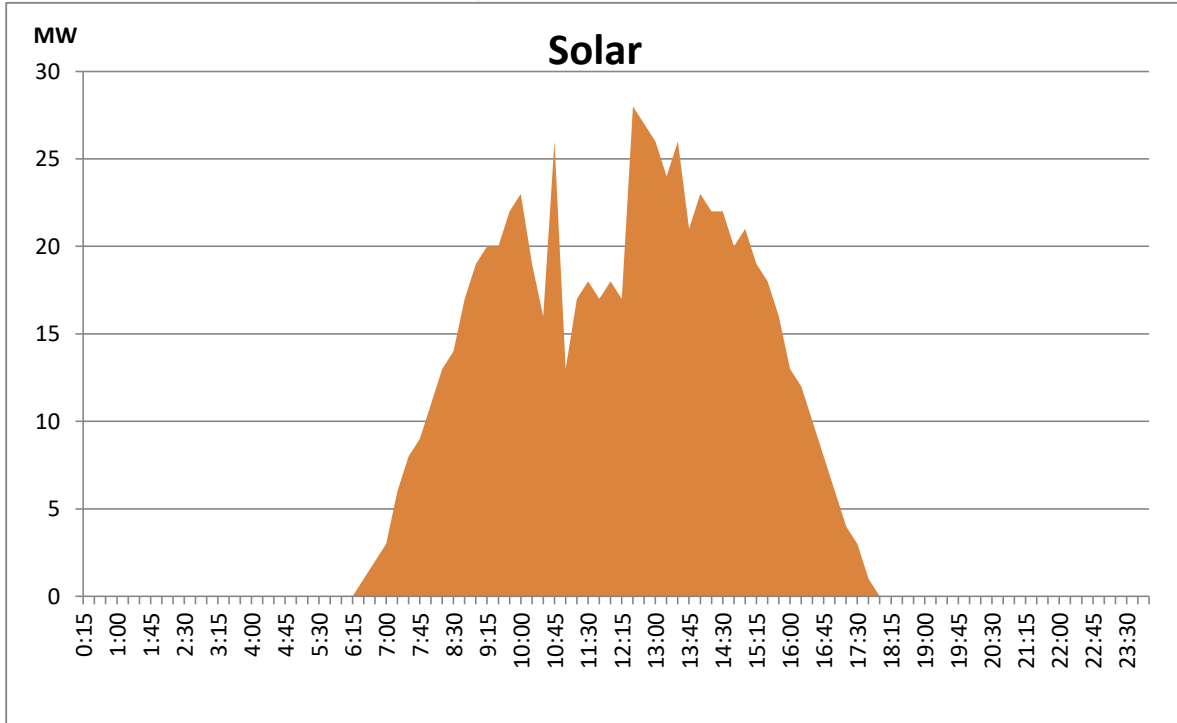
Wind generation during the day, August 20, 2020

Based on Telemetered Power Stations only



Solar generation during the day, August 20, 2020

Based on Telemetered Power Stations only



Plant	Dispatch (MWh)	Night peak Load (MW)	Plant Availability (MW)at 6 am
	August 21, 2020	August 21, 2020	August 22, 2020
Wimalasurendra	459.00	20.00	50.00
Old Laxapana	1,230.00	51.50	53.80
Canyon	623.00	30.00	60.00
New Laxapana	1,981.00	107.00	108.00
Polpitiya	1,683.00	80.70	90.00
Kotmale	2,290.00	141.00	201.00
Victoria	4,302.00	235.00	240.00
Randenigala	321.00	71.00	70.00
Rantambe	160.00	29.00	50.00
Ukuwela	843.00	36.00	36.00
Bowatenna	505.00	38.00	40.00
Upper Kotmale	847.00	120.00	150.00
Nilambe	25.00	3.20	3.20
Samanalawewa	1,077.00	100.00	100.00
Kukule	485.00	51.90	75.00
Inginiyagala	86.00	3.50	11.25
Udawalawe	-	-	4.00
Puttalam Coal I	-	-	-
Puttalam Coal II	2,926.00	273.00	270.00
Puttalam Coal III	-	-	-
KPS Small GTs	790.00	34.00	35.00
KPS GT 7	2,577.00	109.00	115.00
KCCP	-	-	-
Sapugaskanda A	818.00	34.00	36.00
Sapugaskanda B	1,396.00	56.00	63.00
Uthura Janani	536.00	22.00	23.00
Barge CEB	1,446.00	60.00	60.00
CEB-Thulhiriya	172.00	8.00	8.00
CEB-Kolonnawa	359.00	15.20	15.20
CEB-Mathugama	294.00	16.00	16.00
ACE Matara	570.00	23.00	24.00
Asia Power	1,084.00	44.00	45.00
AES - Kelanitissa	3,769.00	158.00	160.00
Westcoast	6,577.00	282.00	270.00
Northern Power	-	-	-
ACE Embilipitiya	1,837.00	76.00	79.00
Vpower-Pallekele	558.00	24.00	24.00
Vpower-Galle	248.00	10.00	10.00
Vpower-Hamba.	584.00	24.00	24.00
Vpower-Horana	571.00	24.00	24.00
Altaaqa-Mahiya.	200.00	10.00	10.00
Altaaqa-Polon.	199.00	8.00	8.00
Solar	354.00	-	Not available
Wind	922.00	13.00	Not available
MH and BM*	Not available	61.00	Not available

*Only include data from

203 MW of power plants

Major Incidents during the day

1) Lakvijaya Unit 02 synchronized at 9:36hrs and reached full load at 16:27hrs

Thermal Plant Capacity and Fuel types

Power Station	Capacity (MW)	Primary Fuel
CEB Hydro		
Victoria	210	
Ukuwela	40	
Kotmale	201	
Randenigala	122	
Rantambe	49	
Bowatenna	40	
Nilambe	3.2	
Upper Kotmale	150	
Old Laxapana	50	
New Laxapana	115	
Polpitiya	75	
Wimalasurendra	50	
Canyon	60	
Samanalawewa	120	
Kukuleganga	75	
Inginiyagala	10	
Udawalawe	6	
CEB Thermal		
Sapugaskanda 1	72	Heavy Fuel
Sapugaskanda 2	72	Heavy Fuel
Kelanitissa Small Gas Turb	68	Auto Diesel
GT 7 - Kelanitissa	115	Auto Diesel
Kelanitissa CCY	165	Naptha & Diesel
Lakvijaya (Puttalam Coal)	275	Coal
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Lakvijaya (Puttalam Coal)	275	Coal
Uthuru Janani	24	Heavy Fuel
Barge CEB	60	Furnace Oil
Private Thermal (IPPs)		
Asia Power	51	Heavy Fuel
Sojitz - Kelanitissa	163	Auto Diesel
West Coast	270	Low Sulphur Furnace oil
ACE Embilipitiya	100	Furnace Oil