

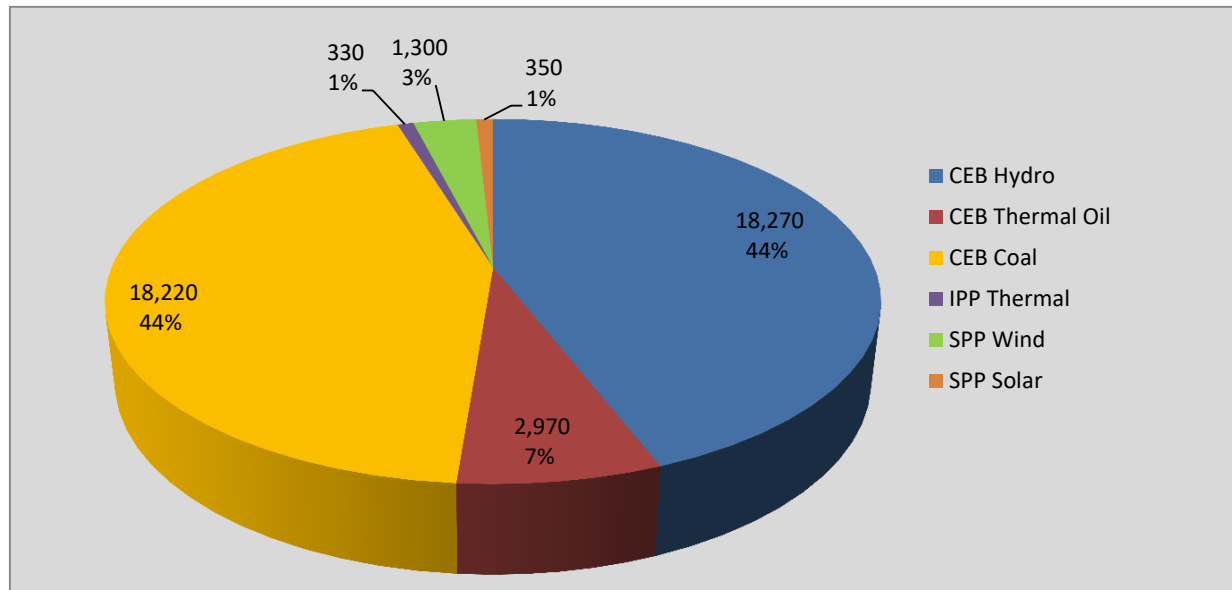
# **Generation and Reservoirs Statistics**

**August 13, 2020**



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation 41,430 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

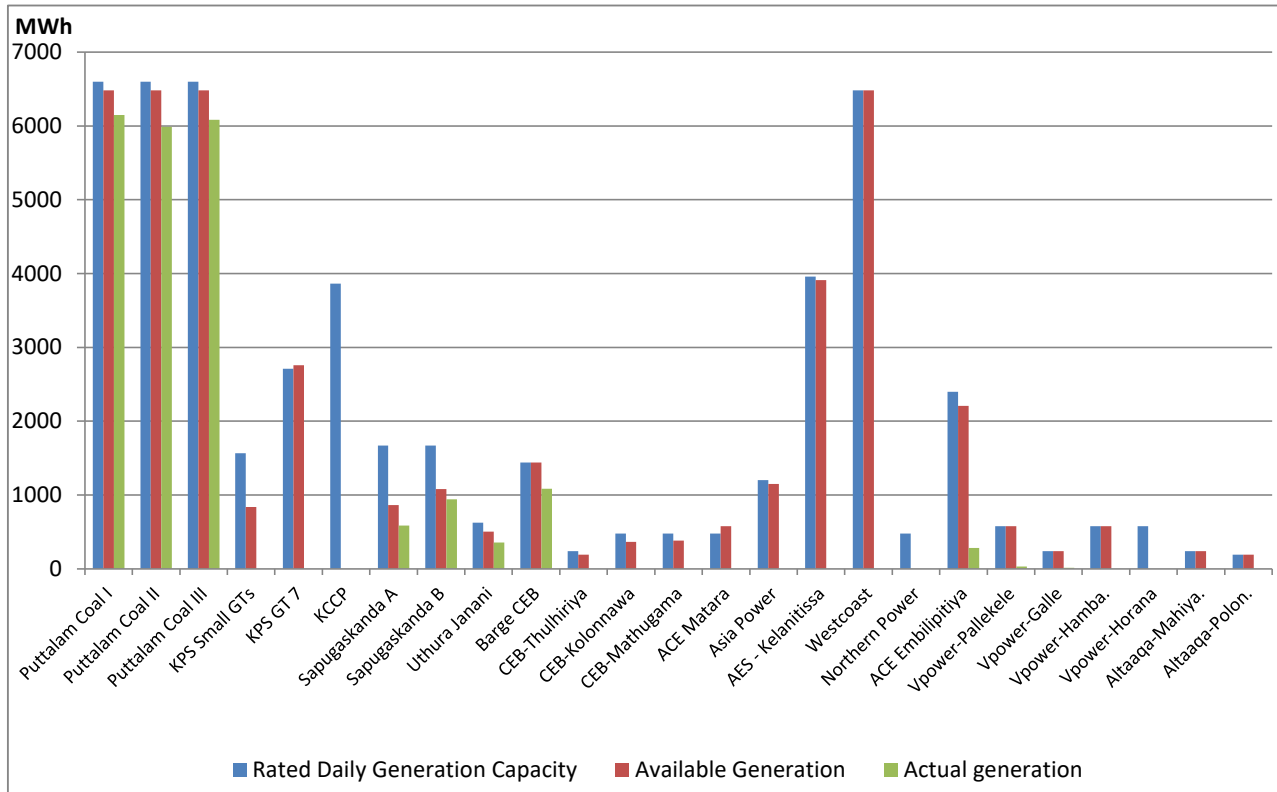
Category	Dispatch (GWh)	
CEB Hydro	191.7	40.16%
CEB Thermal Oil	22.2	4.66%
CEB Coal	232.2	48.65%
IPP Thermal	10.2	2.13%
SPP Wind	17.7	3.72%
SPP Solar	3.3	0.69%
<b>Total</b>	<b>477.2</b>	

### For Current Year

Category	Dispatch (GWh)	
CEB Hydro	2,054.4	23.20%
CEB Thermal Oil	969.6	10.95%
CEB Coal	3,801.6	42.92%
IPP Thermal	1,768.9	19.97%
SPP Wind	199.7	2.25%
SPP Solar	63.0	0.71%
<b>Total</b>	<b>8,857.0</b>	

## Thermal Plant Dispatch on

August 13, 2020

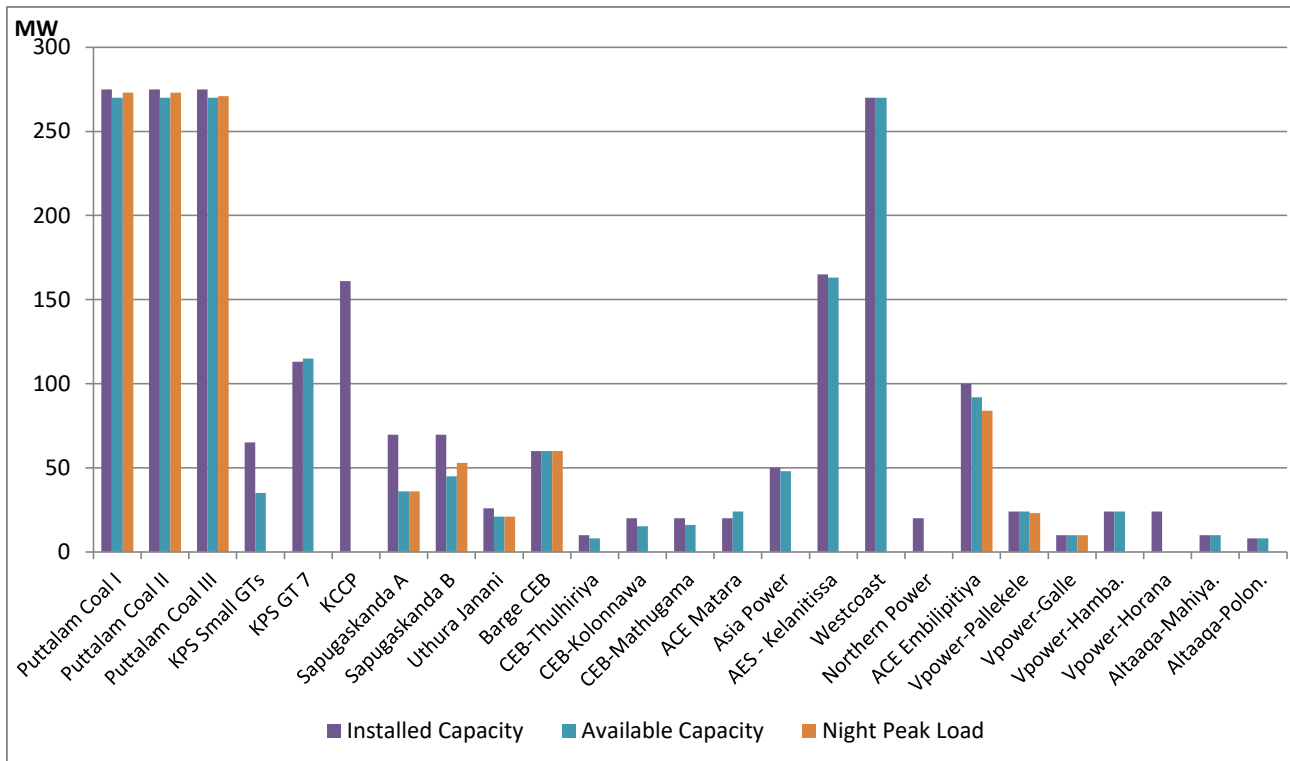


Note- Available Generation is estimated based on plant availability at 6.00am on

August 14, 2020

## Thermal Plant Loading at Night Peak on

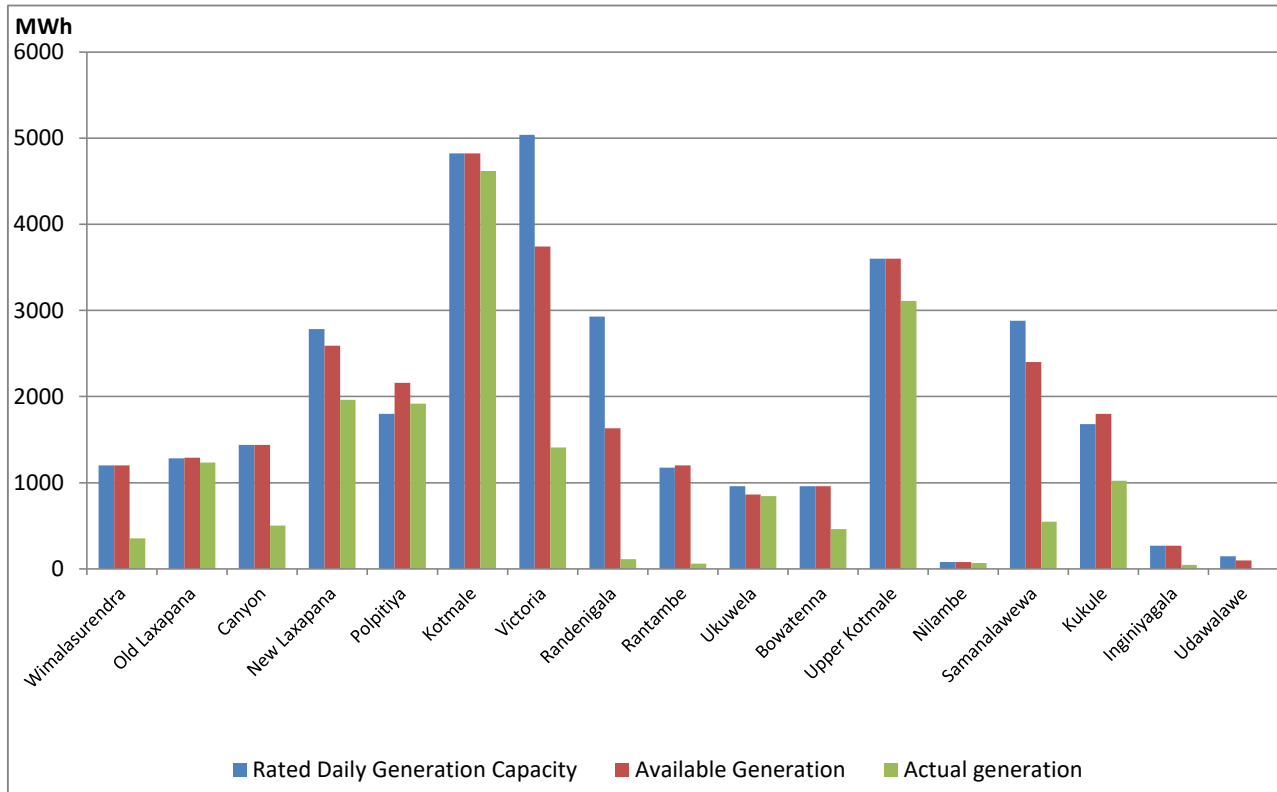
August 13, 2020



Note- Plant availability is recorded at 6.00 am on August 14, 2020

## Major Hydro Plant Dispatch on

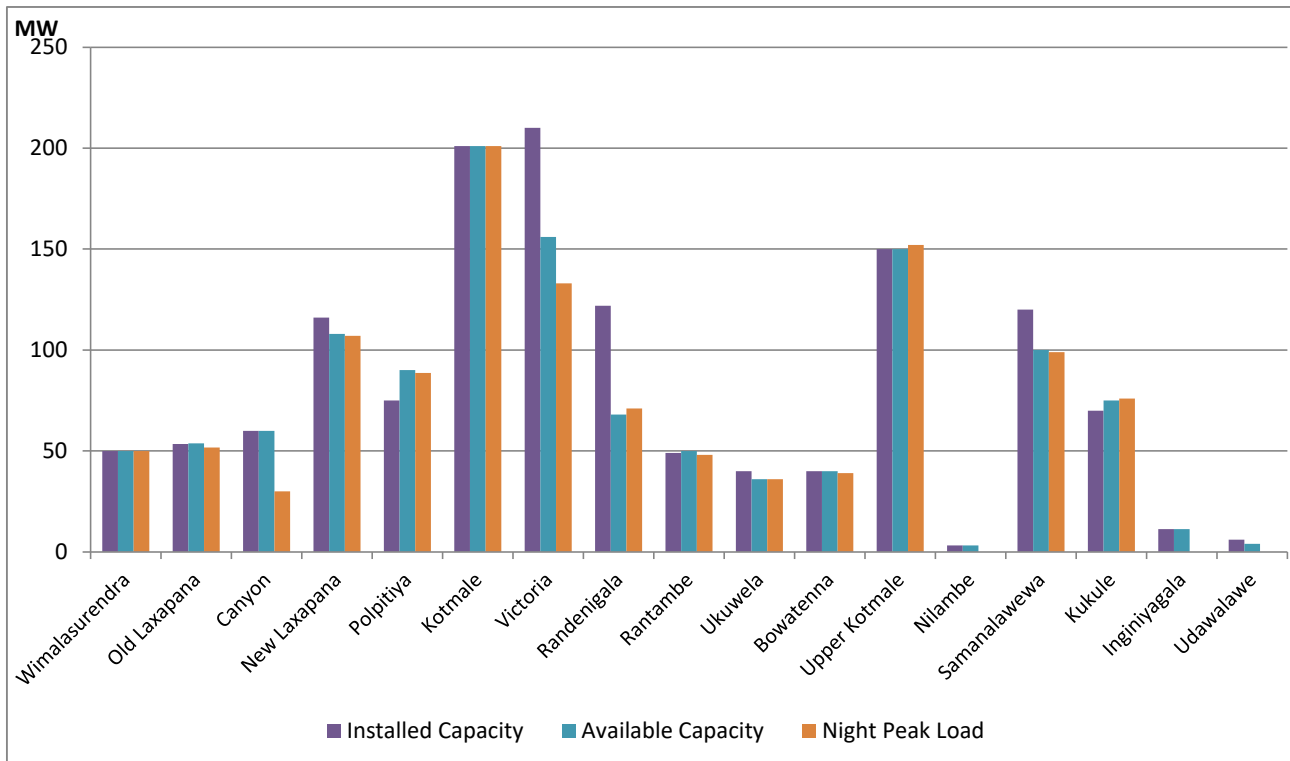
August 13, 2020



Note- Available Generation is estimated based on plant availability at 6.00am on August 14, 2020

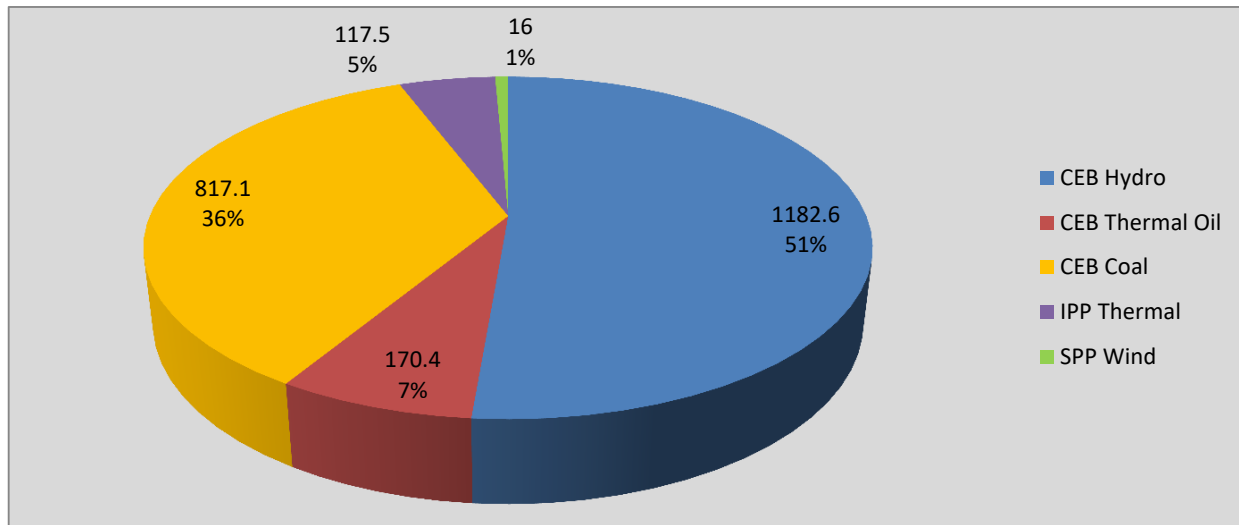
## Major Hydro Plant Loading at Night Peak on

August 13, 2020



Note- Plant availability is recorded at 6.00 am on August 14, 2020

## Contribution to the Night Peak in MW



Night Peak*	2,303.5 MW
Day Peak	1,965.0 MW
Minimum Demand	1,236.0 MW

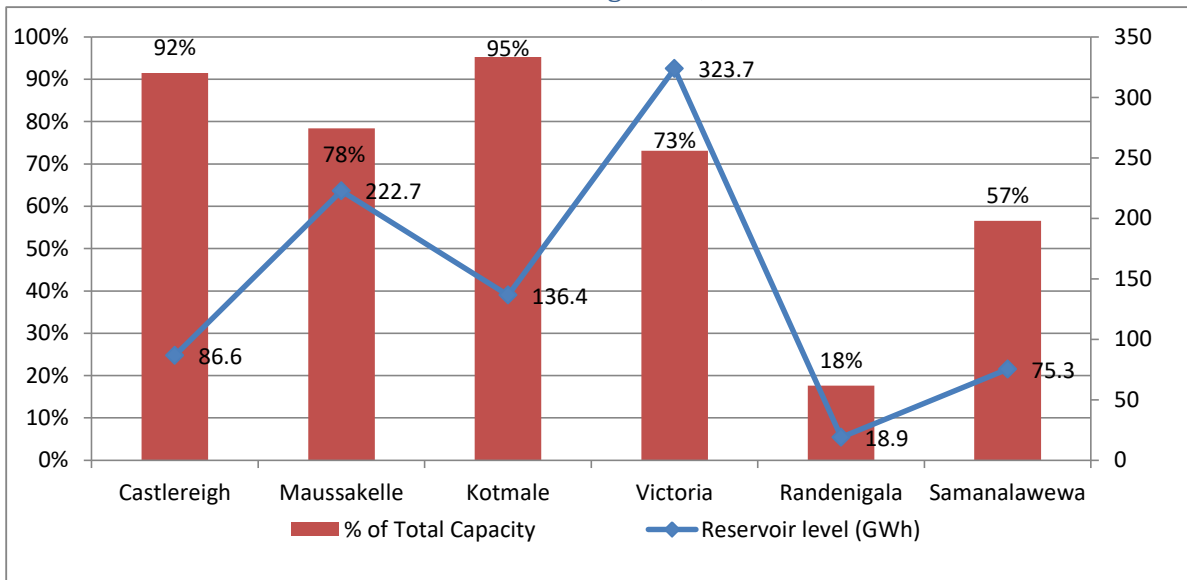
### Notes:

\*The above chart pattern and night peak figure is presented excluding the contribution of Moragahakanda, other mini hydro 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 230.00 MW has recorded total 130.20 MW at the night peak

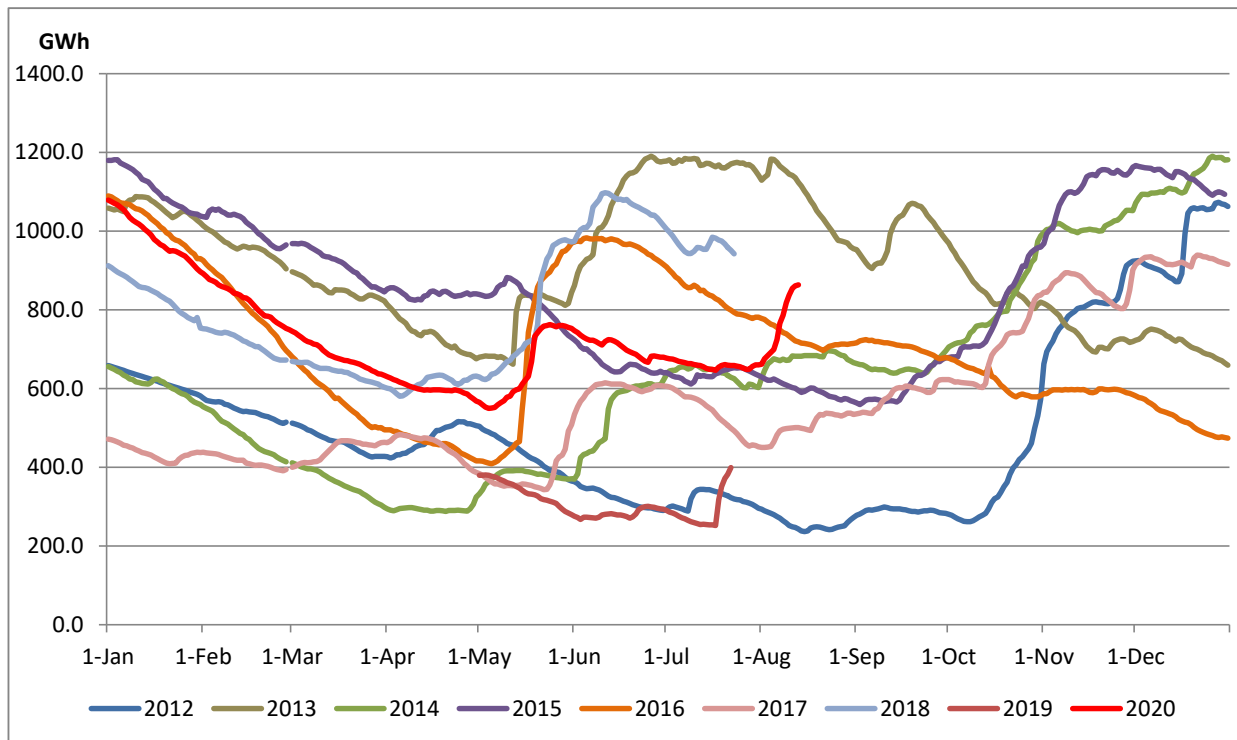
## Reservoir Levels - as at 06.00 Hr on August 14, 2020



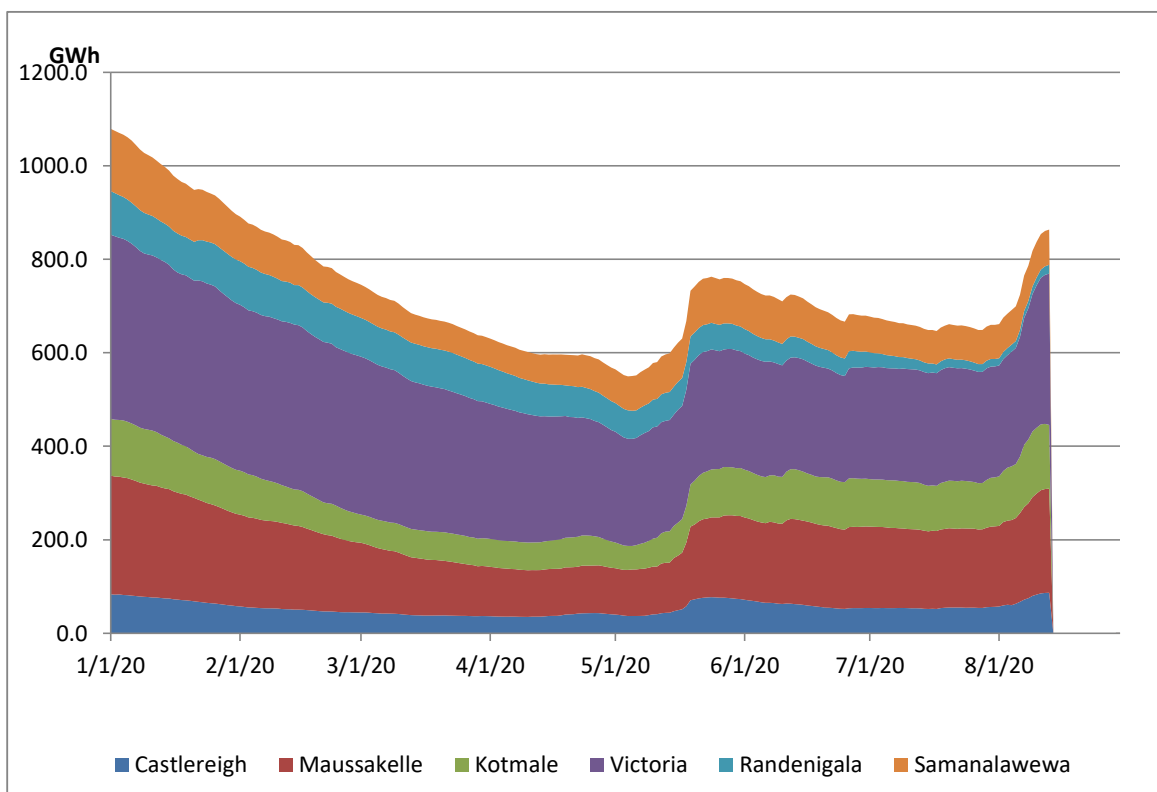
Total Reservoir Level(GWh)	863.6
% of Total capacity	71.7%

## Comparison of Total Reservoir Storage Levels with Past Years

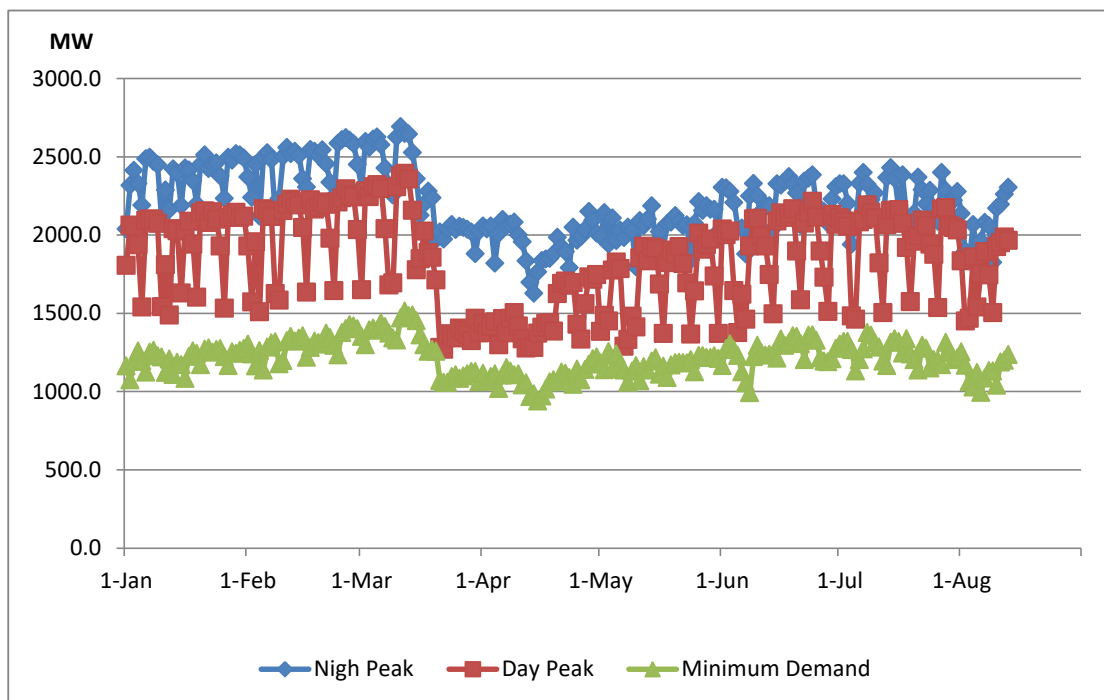
Data from June 2018 to March 2020 are not indicated in the graph



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



## Variation of Demand during the current year



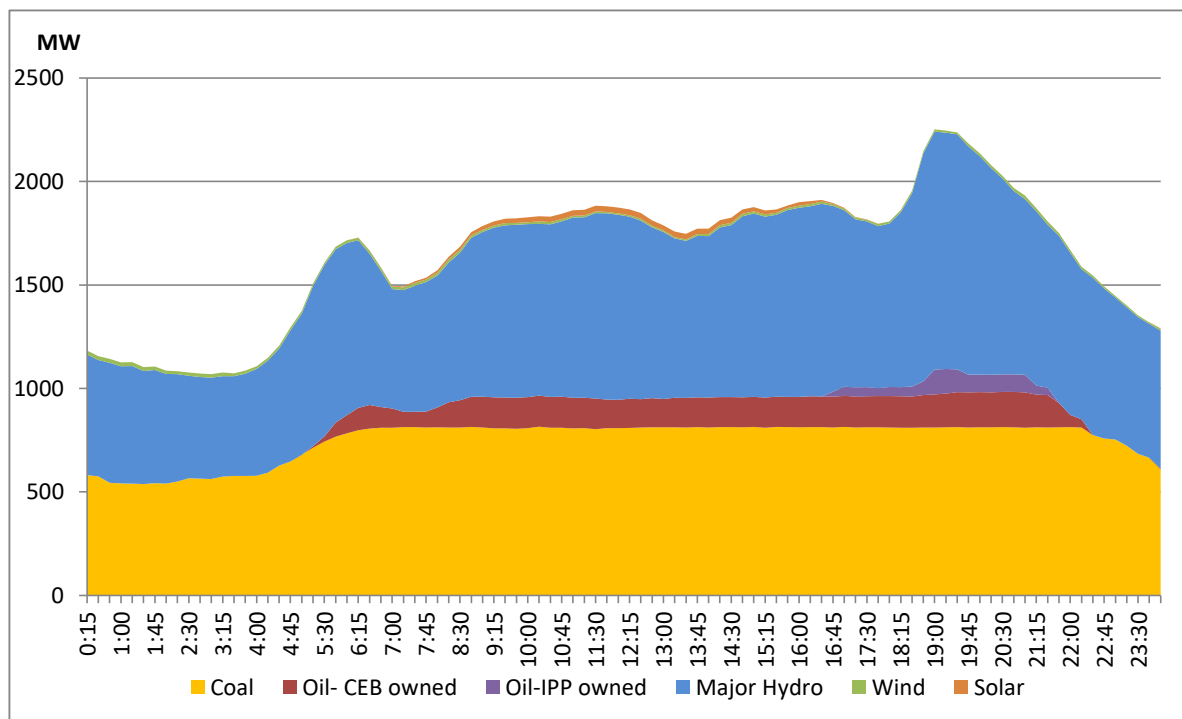
Notes: The night peak graph in the above chart is revised from June 8, 2020 to exclude the contribution from Mini hydro and biomass power plants contribution

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

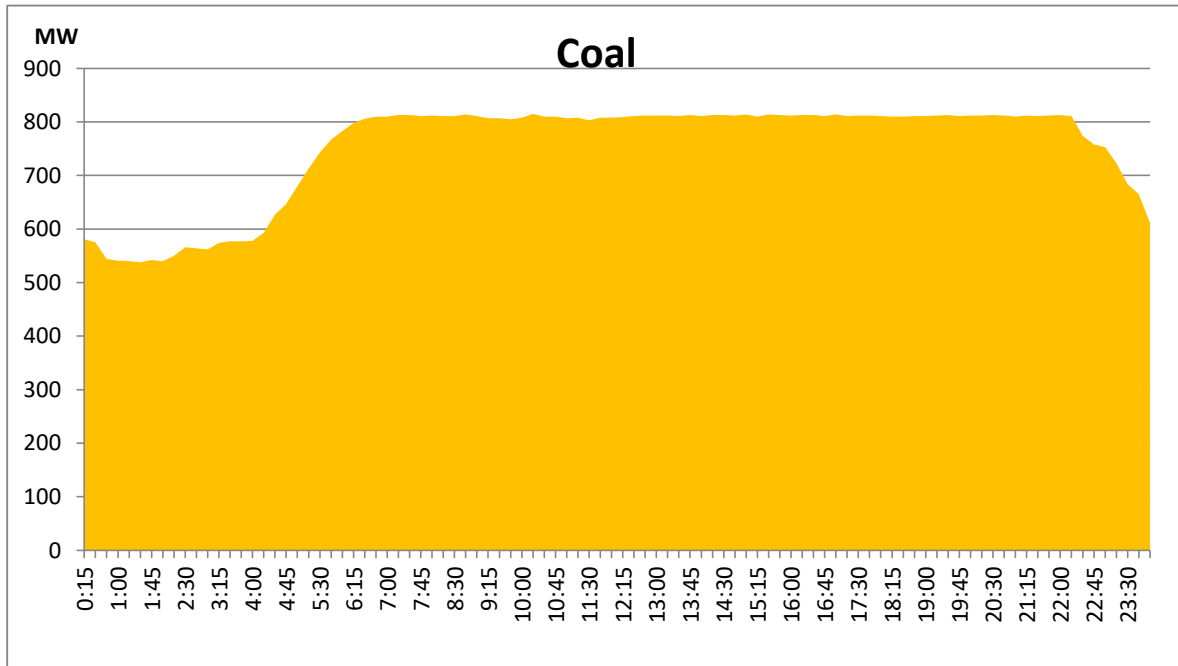
All graphs include the contribution telemetered from solar and wind plants

## Daily Load Curve - August 12, 2020

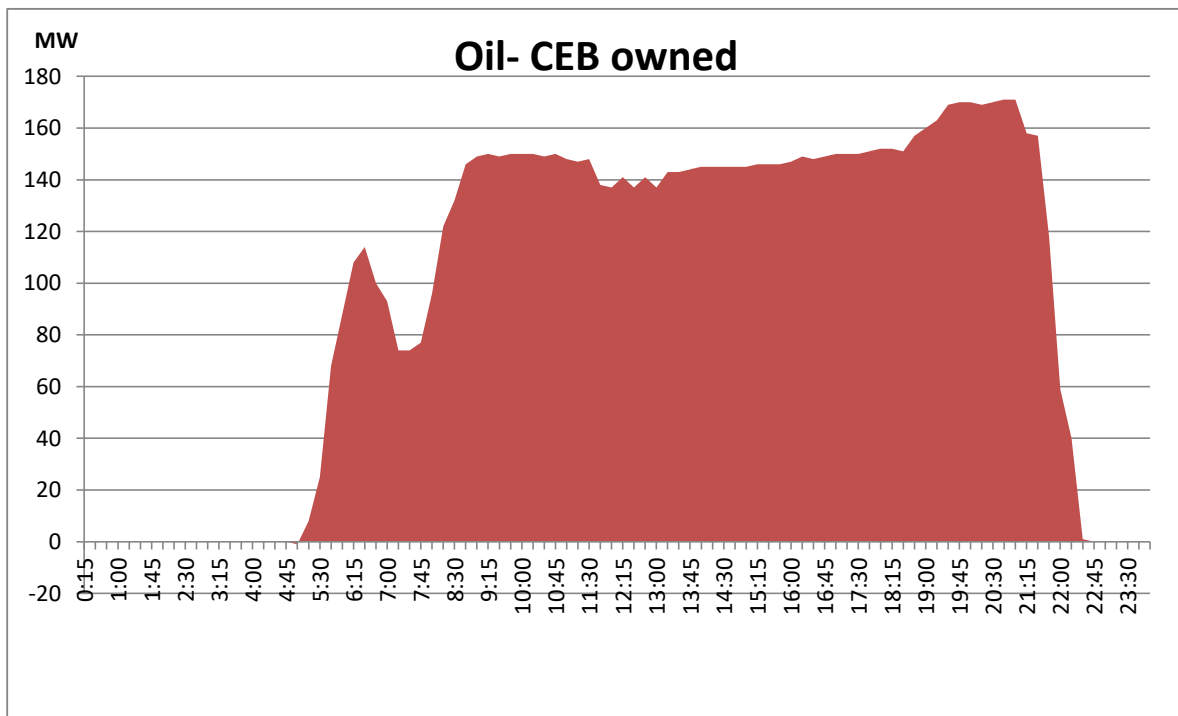
Solar and wind data is based on Telemetered Power Stations only



Coal generation during the day, August 12, 2020

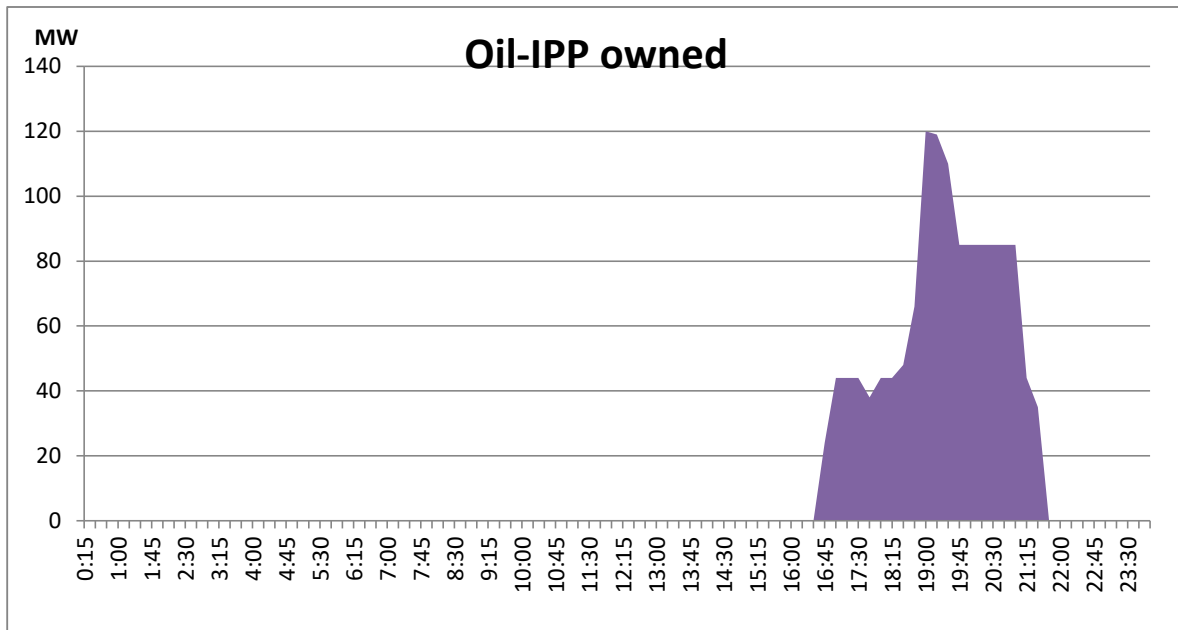


CEB Oil plant generation during, August 12, 2020

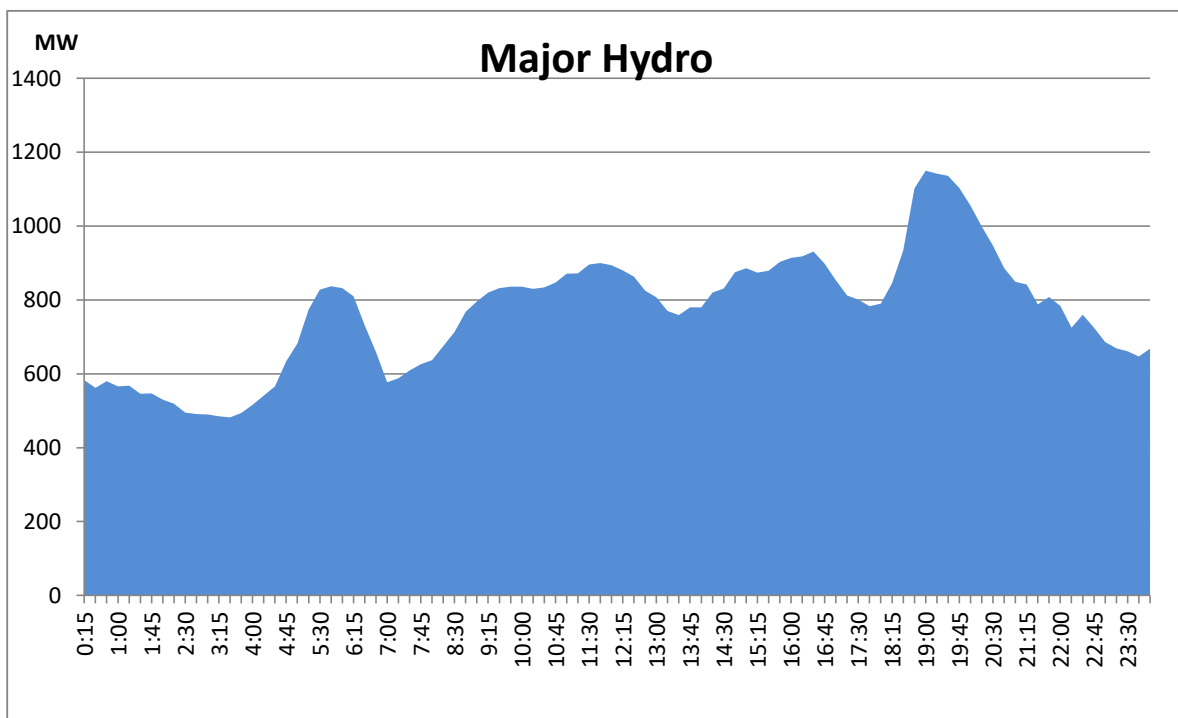




## IPP Oil Plant generation during , August 12, 2020

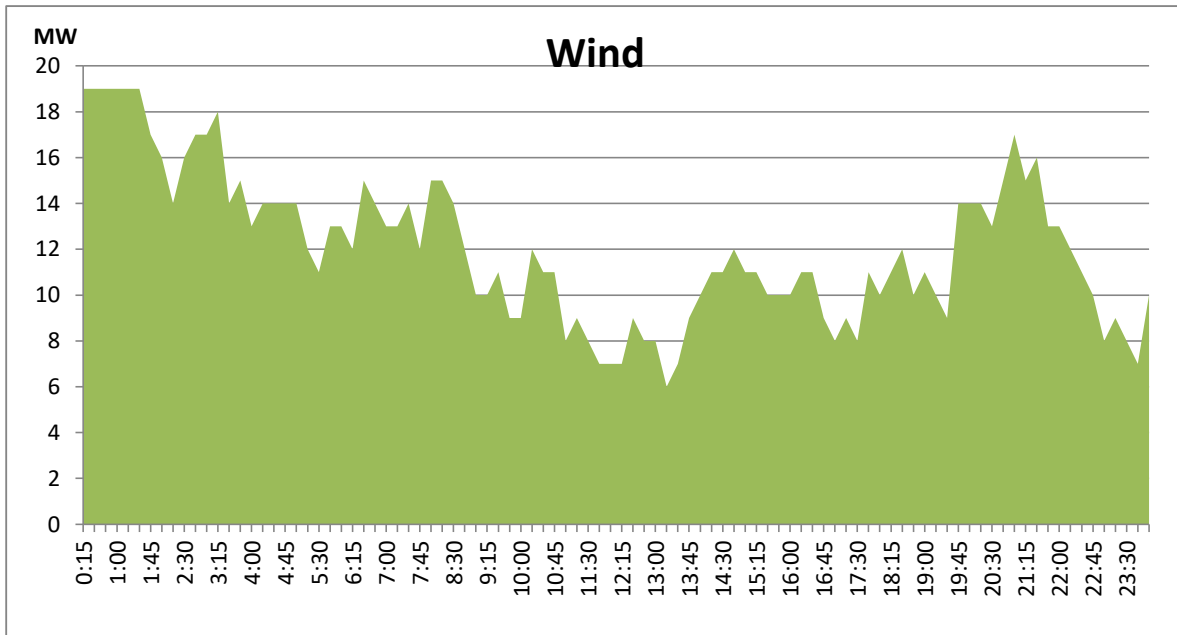


## Major Hydro generation during the August 12, 2020



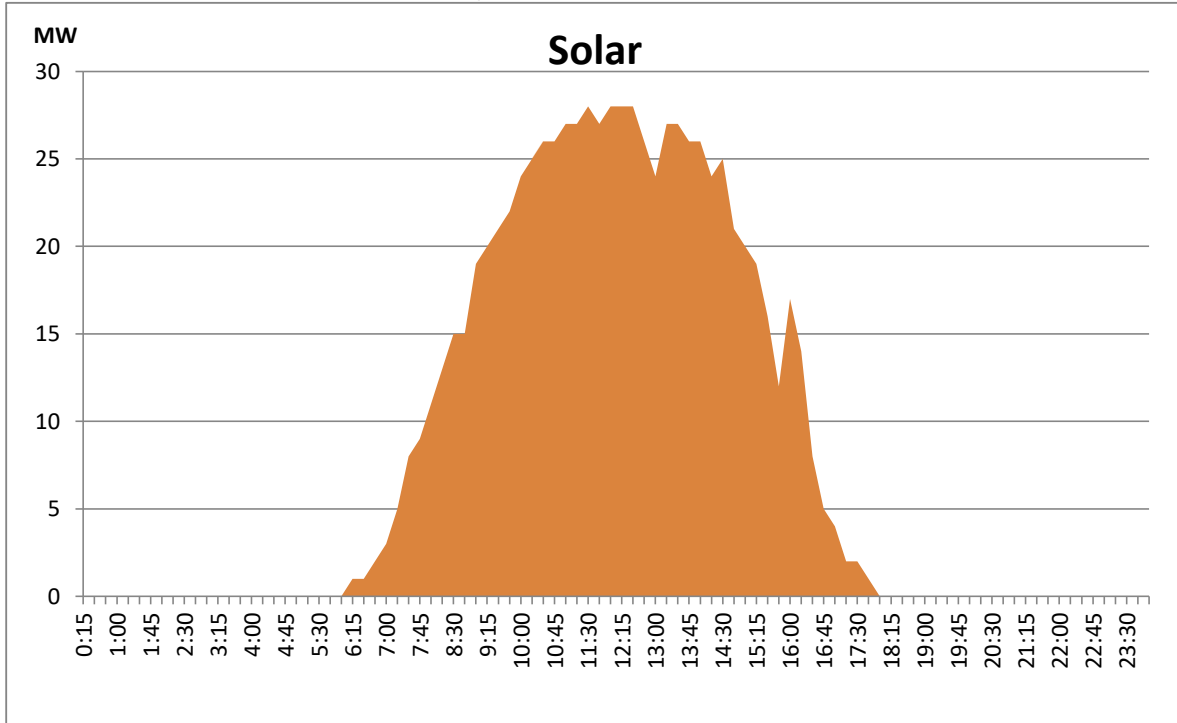
## Wind generation during the day, August 12, 2020

Based on Telemetered Power Stations only



## Solar generation during the day, August 12, 2020

Based on Telemetered Power Stations only



Power Station	Capacity (MW)	Primary Fuel
<b>CEB Hydro</b>		
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	
<b>CEB Thermal</b>		
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
<b>Private Thermal (IPPs)</b>		
Asia Power	51	Heavy Fuel
Sojitz - Kelanitissa	163	Auto Diesel
West Coast	270	Low Sulphur Furnace oil
ACE Embilipitiya	100	Furnace Oil