

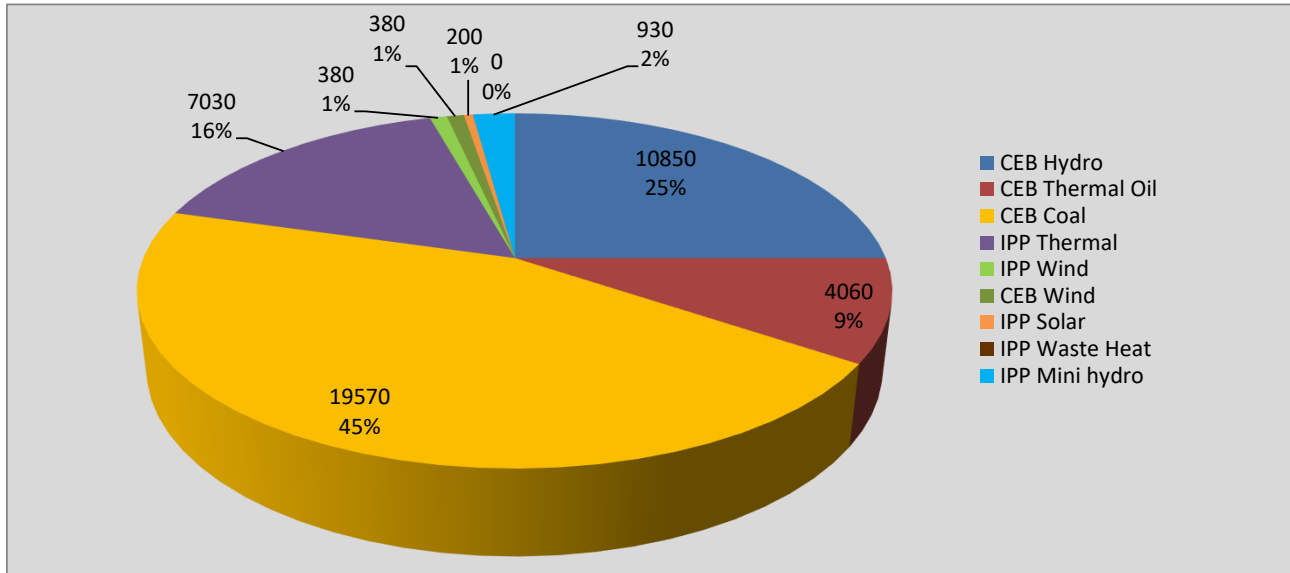
# **Generation and Reservoirs Statistics**

**February 12, 2022**



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **43,400 MWh**

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

## Cumulative Dispatch

Note: Following data is Excluding contribution from Roof Top Solar, 1MW solar and Mini Hydro plants

### For Current Month

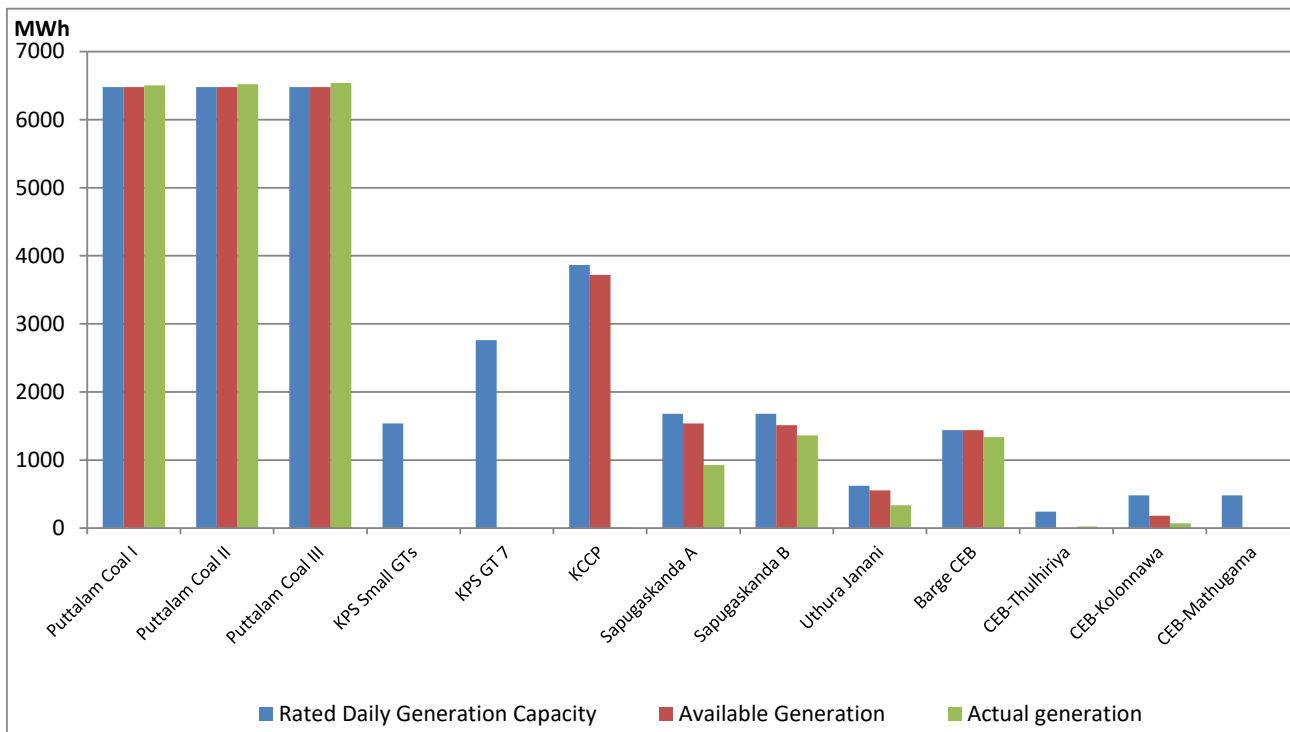
Category	Dispatch (GWh)	Percentage
CEB Hydro	126.8	23.81%
CEB Thermal Oil	72.9	13.68%
CEB Coal	225.0	42.24%
IPP Thermal	83.9	15.76%
SPP Wind	5.0	0.93%
CEB Wind	6.5	1.21%
SPP Solar	3.0	0.57%
SPP Solid Waste	1.3	0.24%
Mini Hydro	8.3	1.56%
<b>Total</b>	<b>532.7</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	534.1	28.52%
CEB Thermal Oil	317.0	16.93%
CEB Coal	632.3	33.76%
IPP Thermal	288.0	15.38%
SPP Wind	20.3	1.08%
CEB Wind	24.6	1.31%
SPP Solar	11.0	0.59%
SPP Solid Waste	9.4	0.50%
Mini Hydro	36.5	1.95%
<b>Total</b>	<b>1,872.9</b>	

## CEB owned Thermal Plant Dispatch

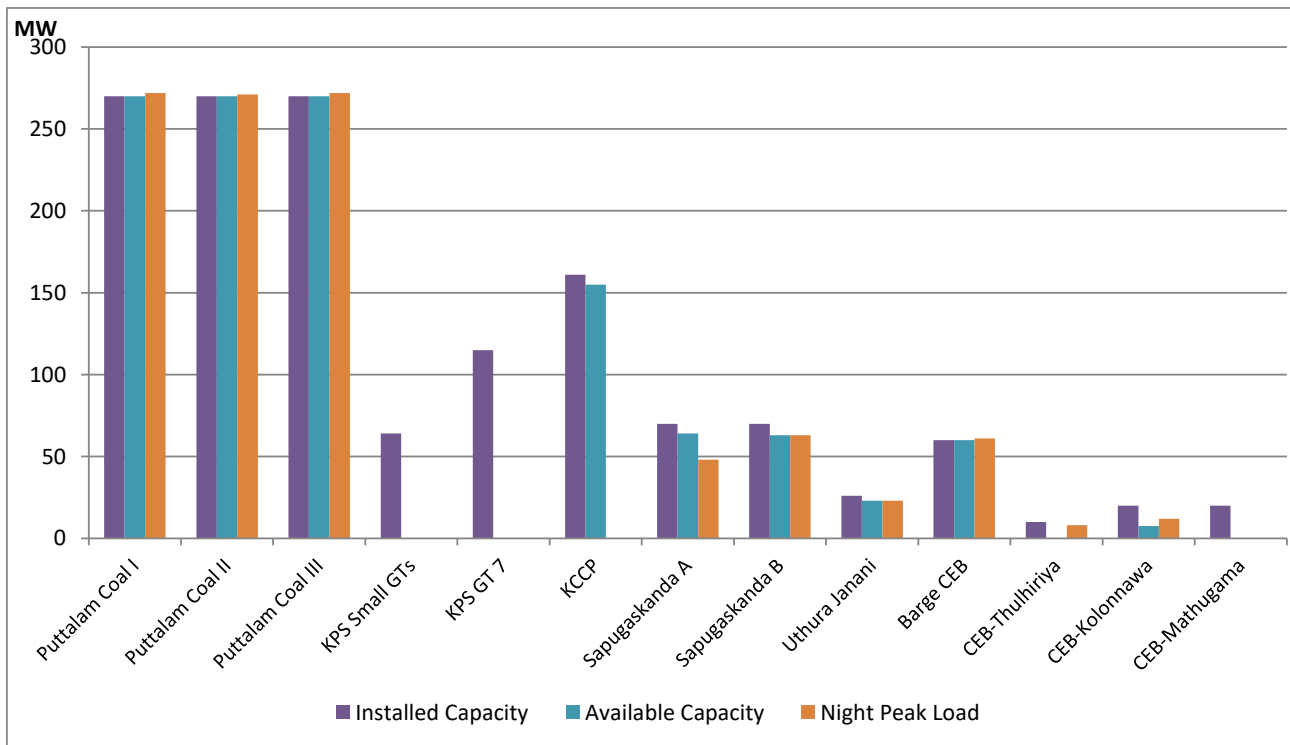
February 12, 2022



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

February 13, 2022

## CEB owned Thermal Plant Loading at the Night Peak



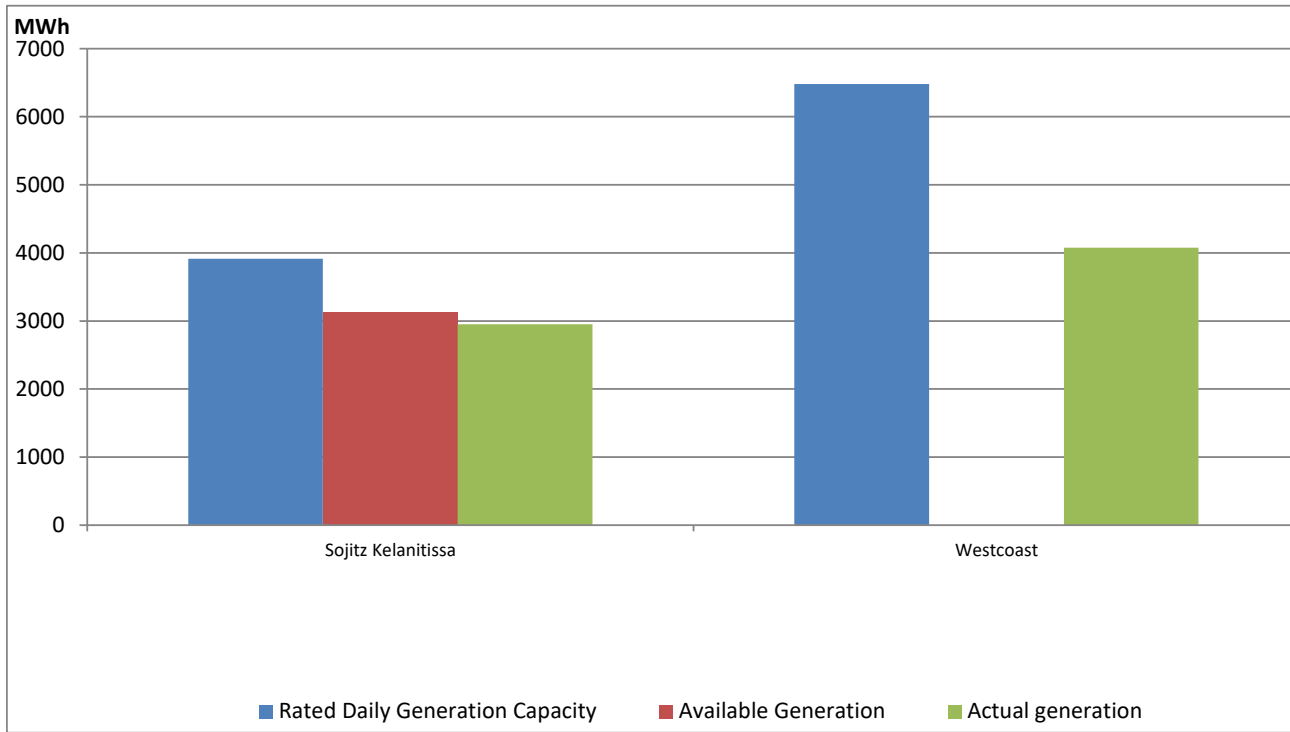
Note- Plant availability is recorded at 6.00 am on

February 13, 2022

## IPP owned Thermal Plant Dispatch

February 12, 2022

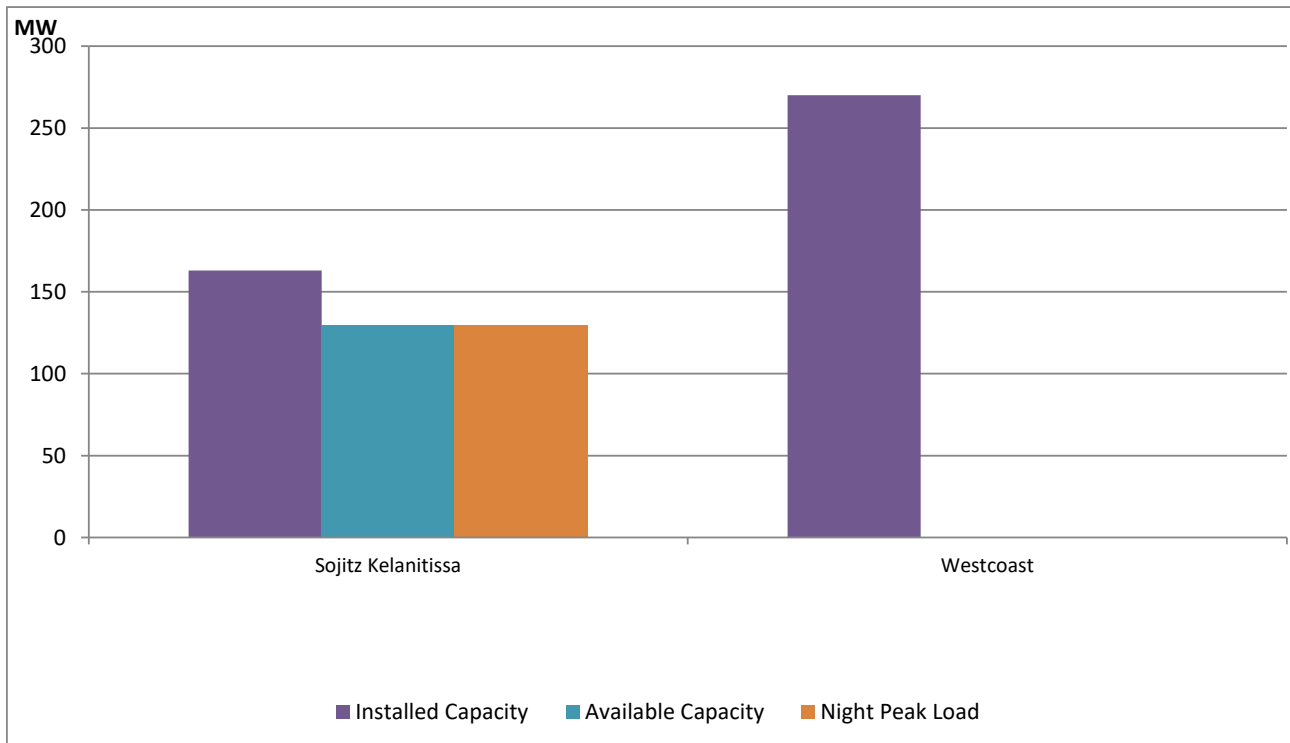
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

February 13, 2022

## IPP owned Thermal Plant Loading at the Night Peak

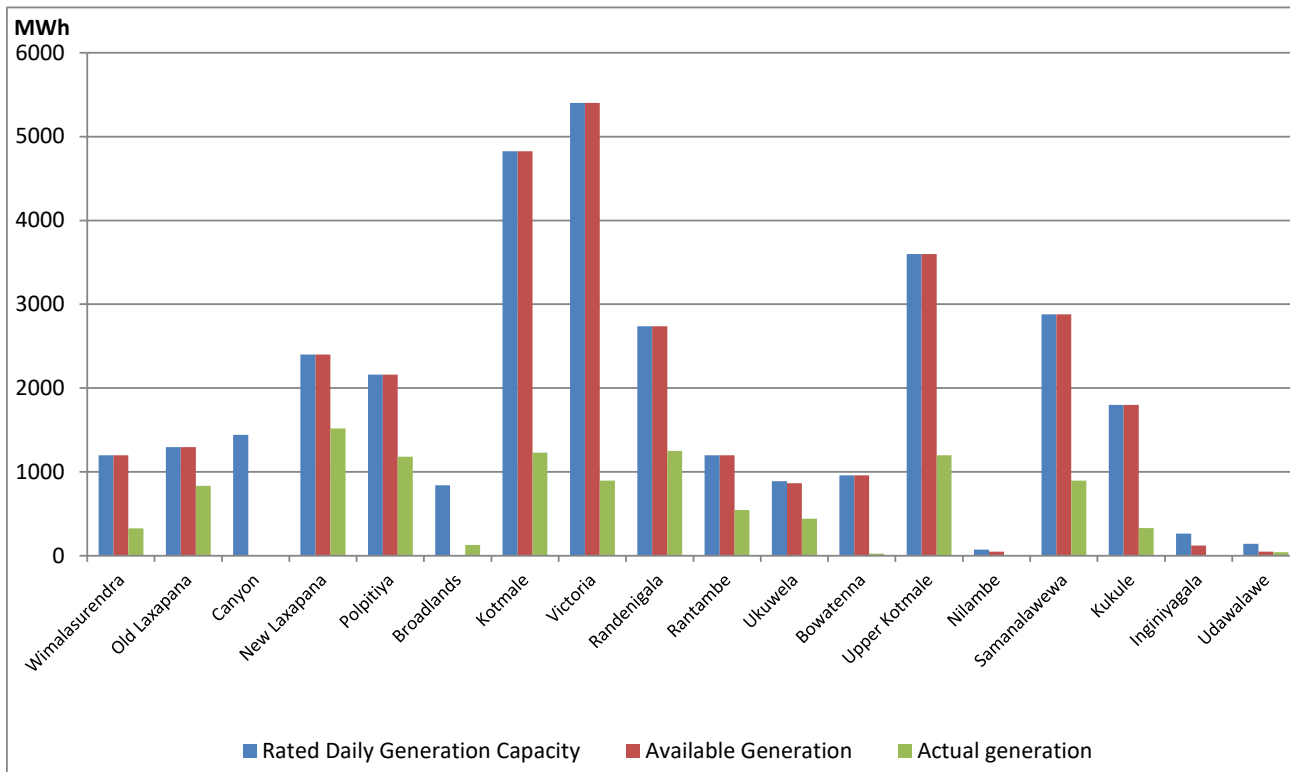


Note- Plant availability is recorded at 6.00 am on

February 13, 2022

## Major Hydro Plant Dispatch

February 12, 2022

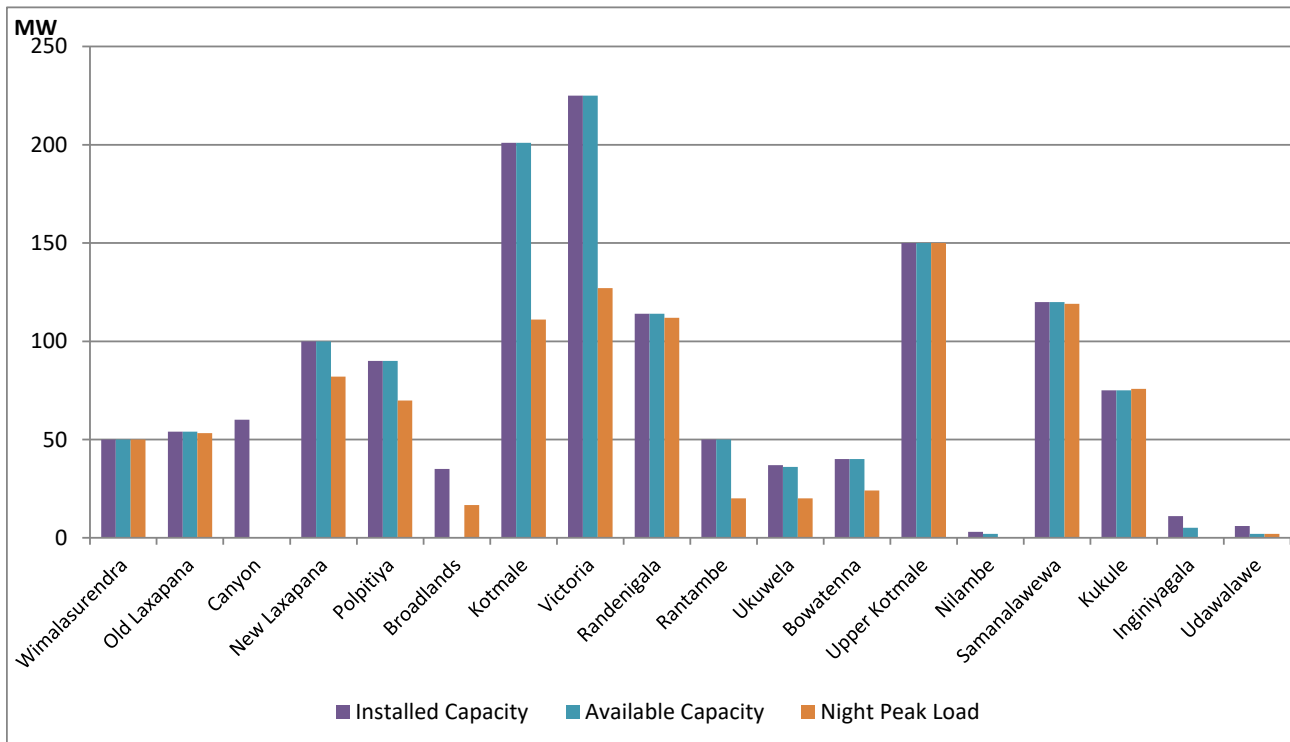


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 13, 2022

## Major Hydro Plant Loading at Night Peak

February 12, 2022



Note- Plant availability is recorded at 6.00 am on  
Broadlands power plant is operating in the Commissioning Stage

February 13, 2022

## Summary of Major Plant performance

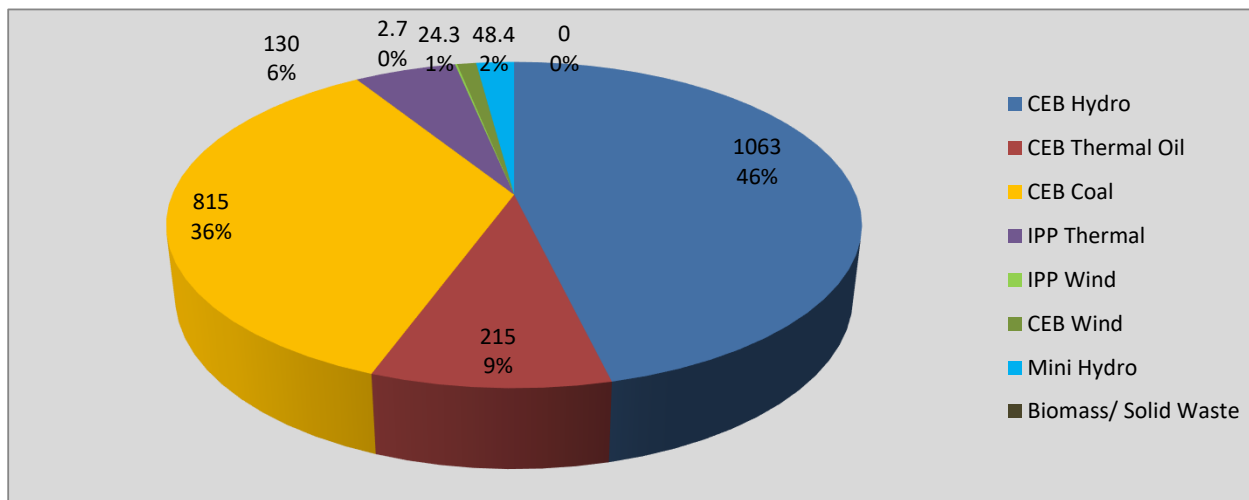
Plant	Installed Capacity (MW)	Plant Availability (MW)	Night peak Load (MW)	Plant Dispatch (MWh)
Wimalasurendra	50	50	50	328
Old Laxapana	54	54	53	833
Canyon	60	0	0	0
New Laxapana	100	100	82	1,518
Polpitiya	90	90	70	1,180
Broadlands	35	0	17	129
Kotmale	201	201	111	1,230
Victoria	225	225	127	897
Randenigala	114	114	112	1,252
Rantambe	50	50	20	545
Ukuwela	37	36	20	441
Bowatenna	40	40	24	24
Upper Kotmale	150	150	150	1,199
Nilambe	3	2	0	0
Samanalawewa	120	120	119	897
Kukule	75	75	76	329
Inginiyagala	11	5	0	0
Udawalawe	6	2	2	42
Puttalam Coal I	270	270	272	6,505
Puttalam Coal II	270	270	271	6,521
Puttalam Coal III	270	270	272	6,539
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	155	0	10
Sapugaskanda A	70	64	48	926
Sapugaskanda B	70	63	63	1,362
Uthura Janani	26	23	23	337
Barge CEB	60	60	61	1,336
CEB-Thulhiriya	10	0	8	23
CEB-Kolonnawa	20	8	12	71
CEB-Mathugama	20	0	0	0
Sojitz Kelanitissa	163	130	130	2,951
West Coast	270	0	0	4,078
Total	3,280	2,627	2,268	43,397

Plant availability is the availability recorded at 6 am on

February 13, 2022

## Contribution to the Night Peak in MW

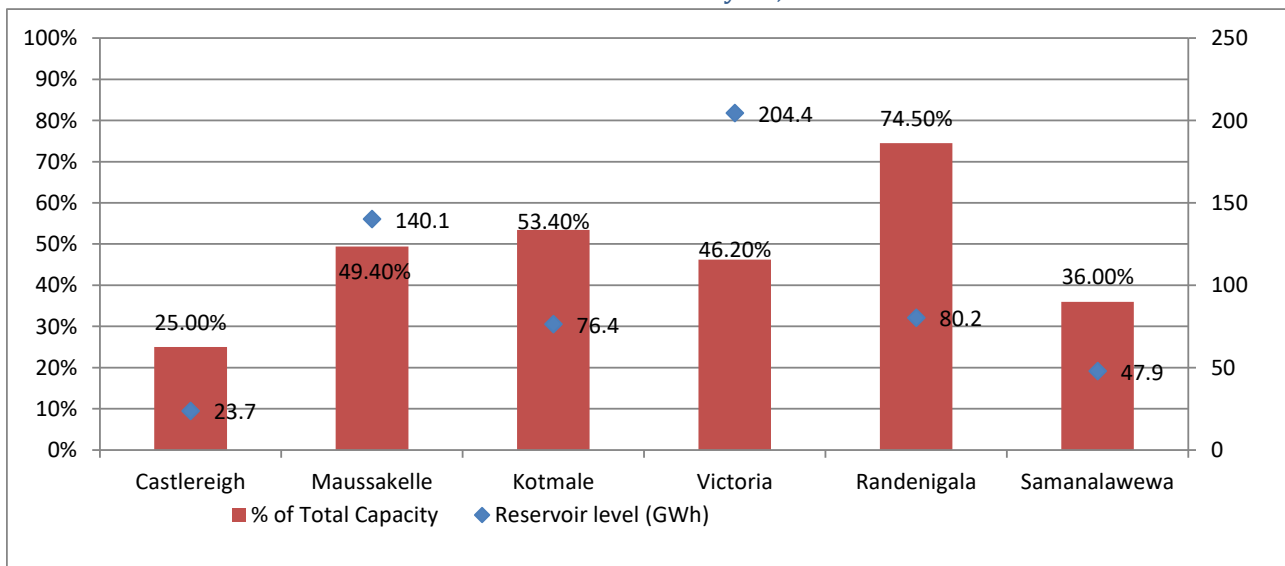
February 12, 2022



Night Peak*	2,298.0 MW
Day Peak	2,040.1 MW
Minimum Demand	1,359.9 MW

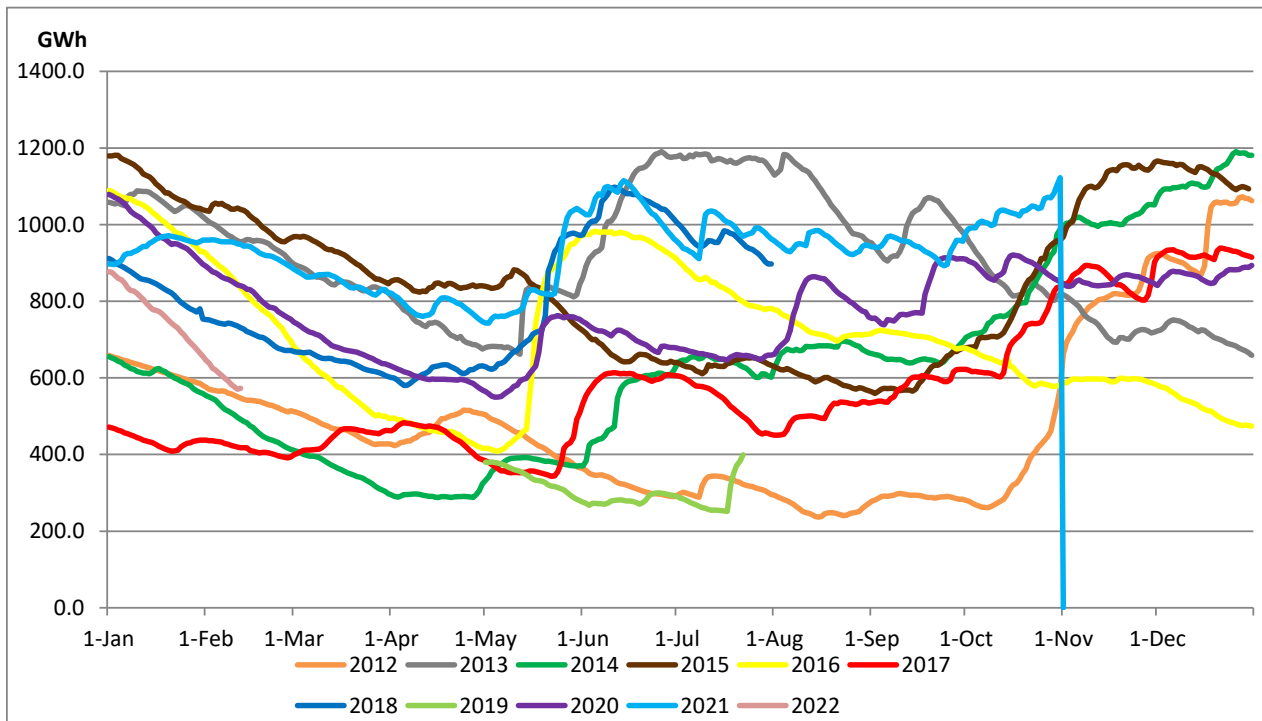
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on February 13, 2022



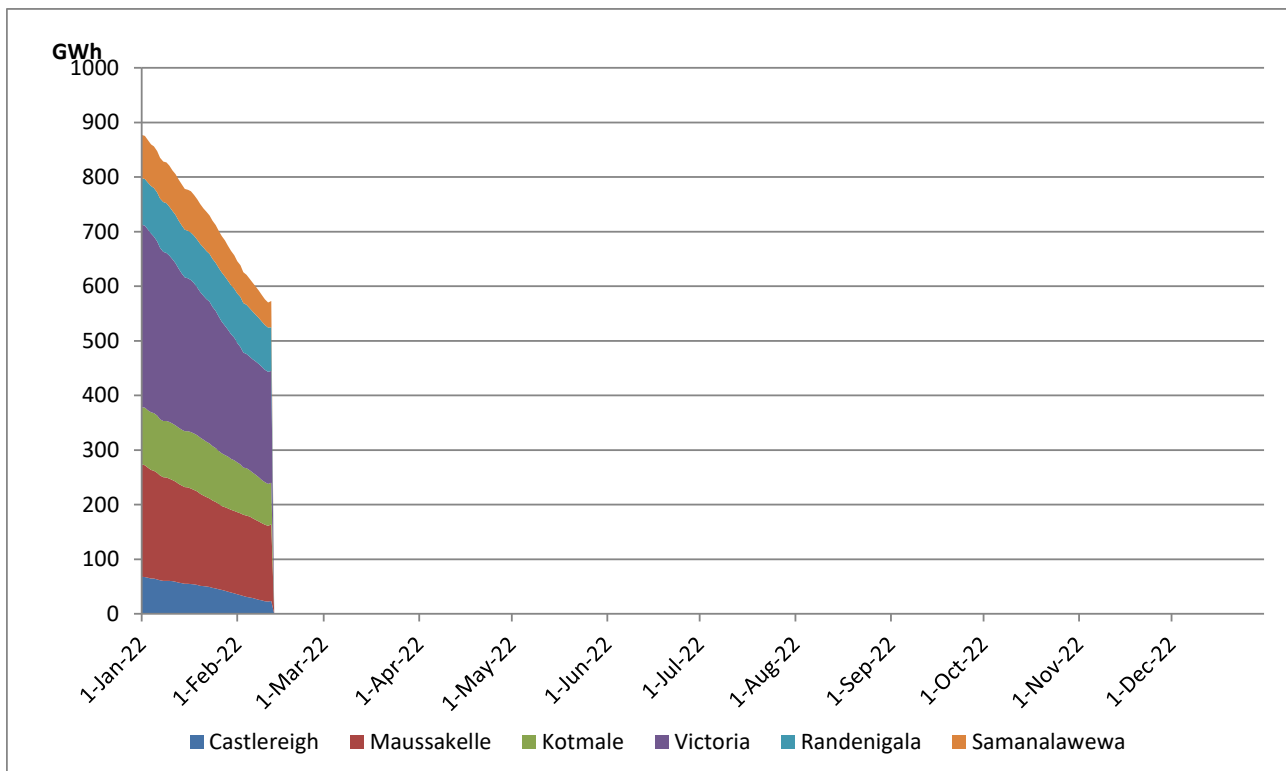
Total Reservoir Level(GWh)	572.7
% of Total capacity	47.4%

## Comparison of Total Reservoir Storage Levels with Past Years



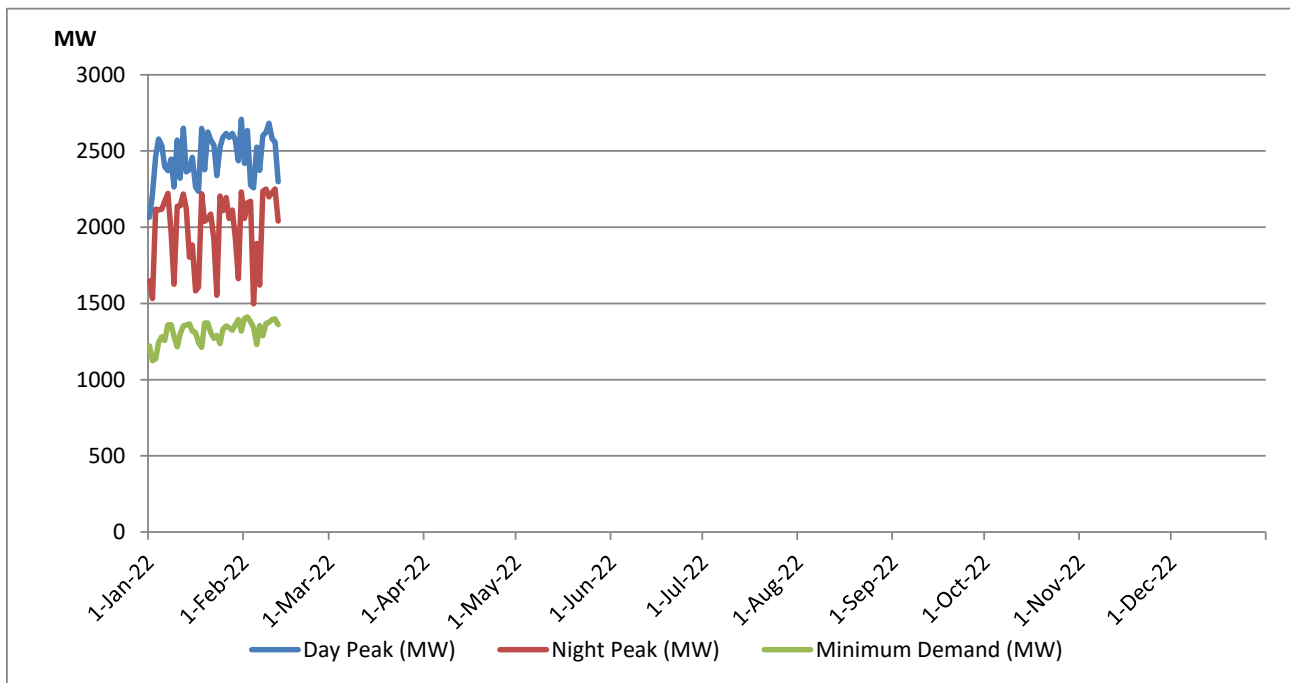
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

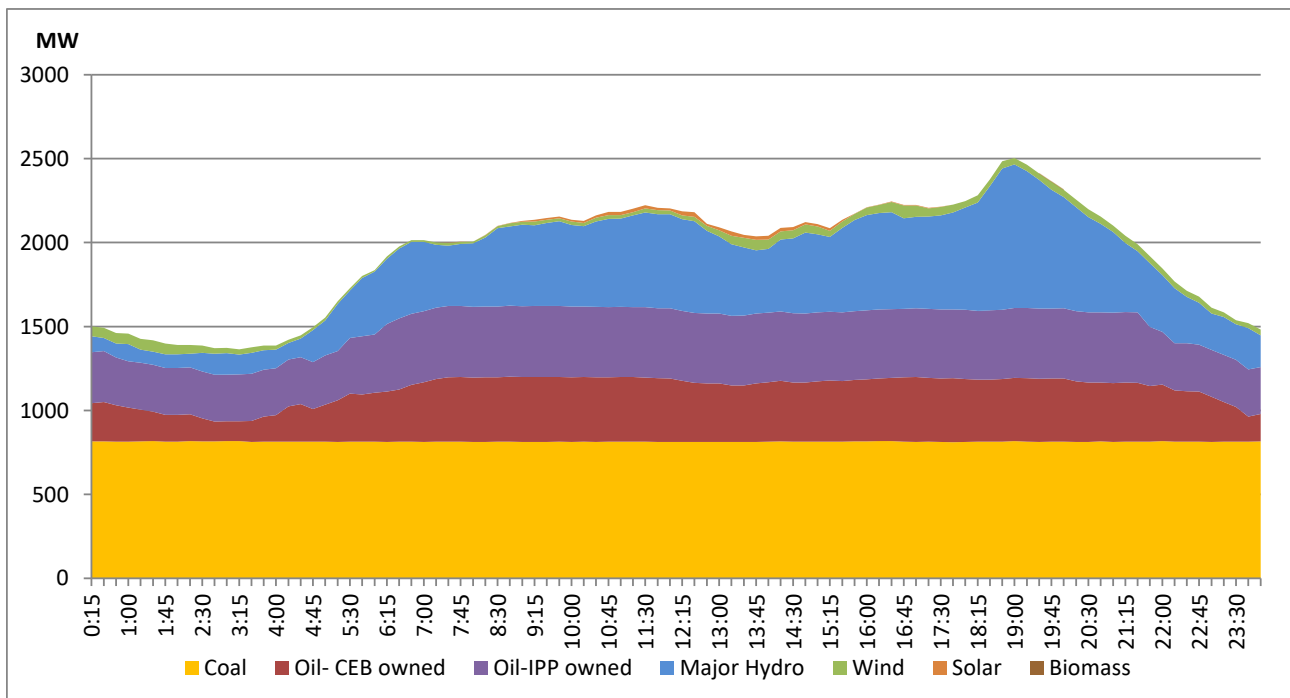


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

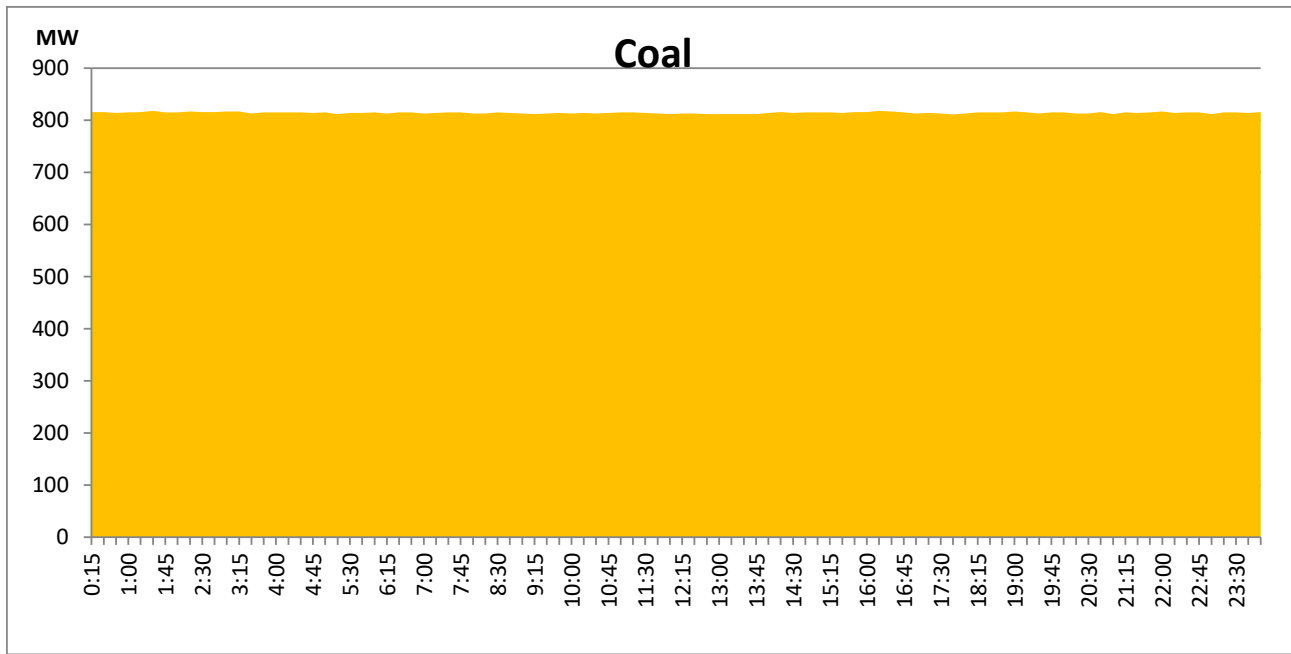
February 11, 2022

Solar and wind data is based on Telemetered Power Stations only



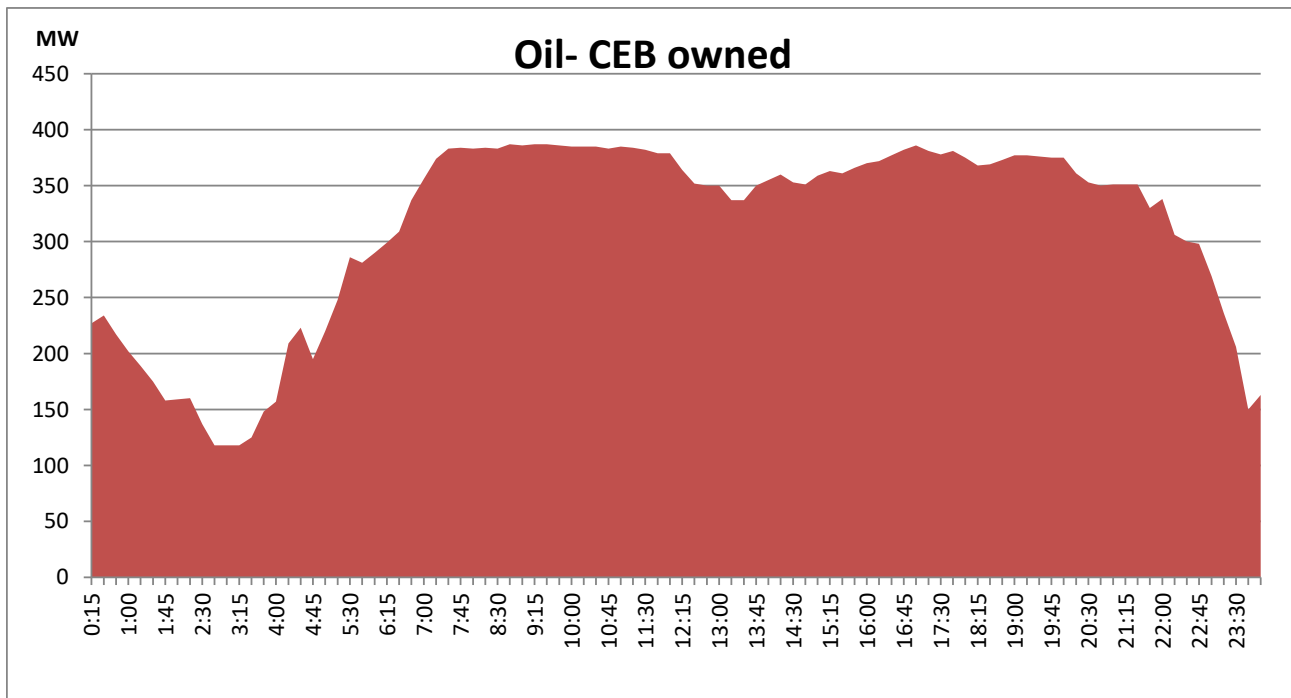
## Coal Generation during the Previous day

February 11, 2022



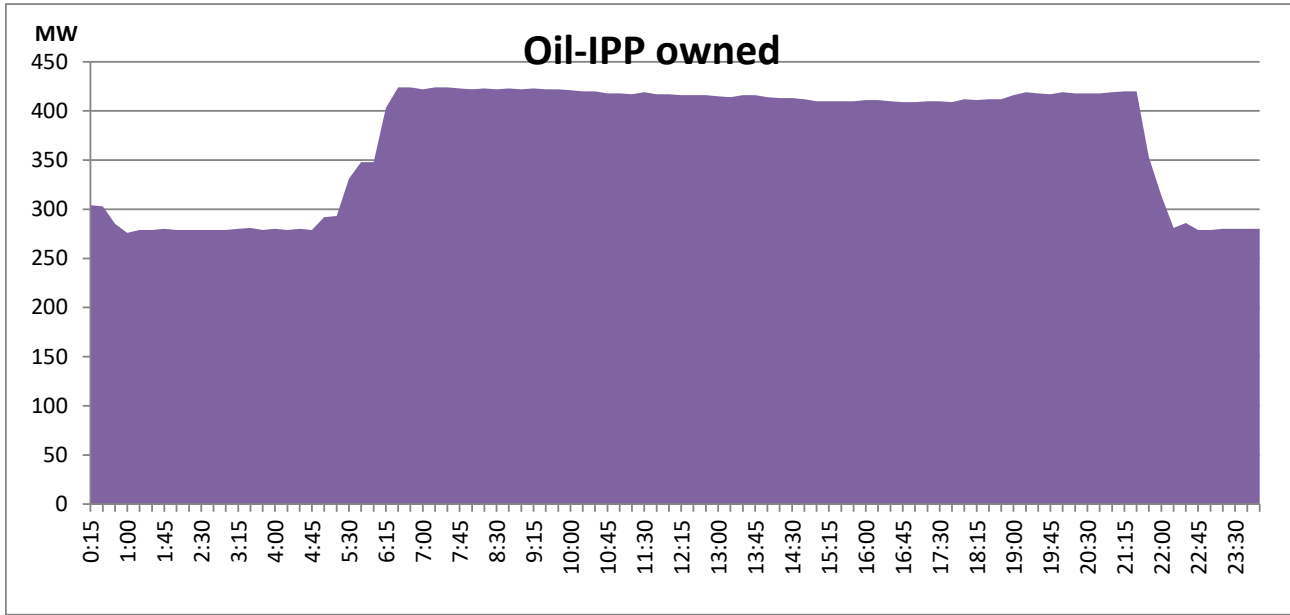
## CEB Oil Plant Generation during the Previous day

February 11, 2022



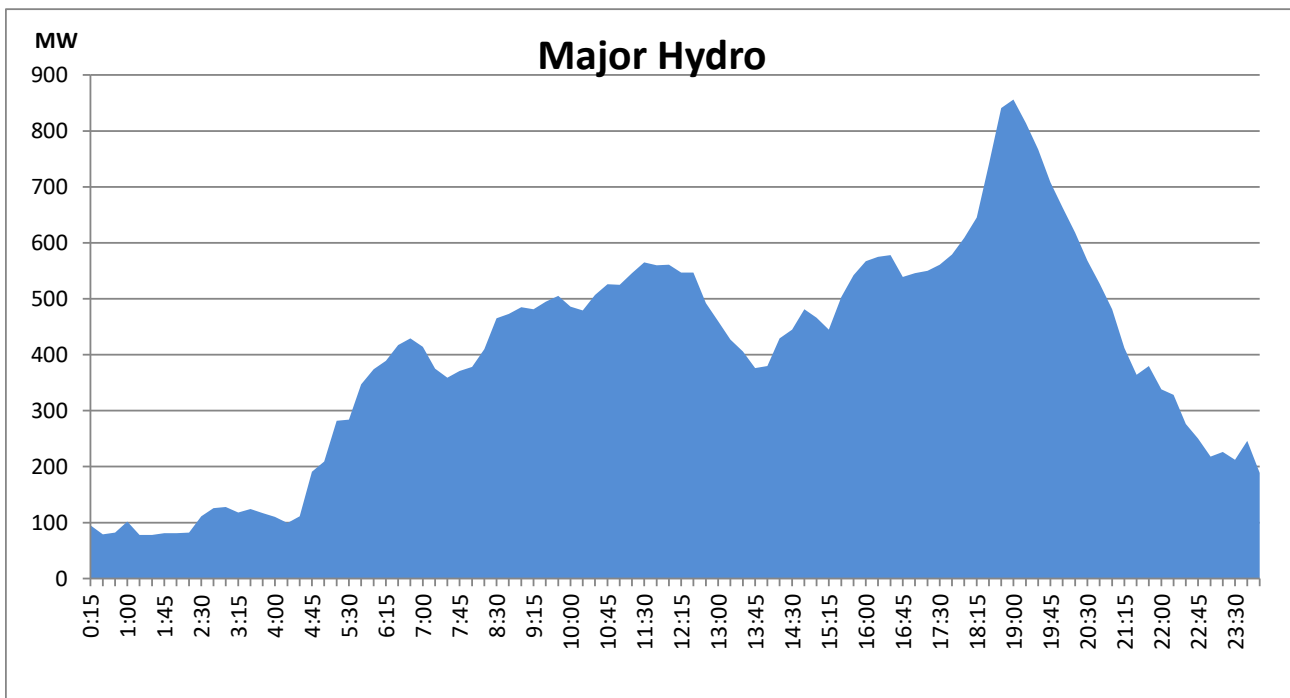
## IPP Oil Plant Generation during the Previous day

February 11, 2022



## Major Hydro Generation during the Previous day

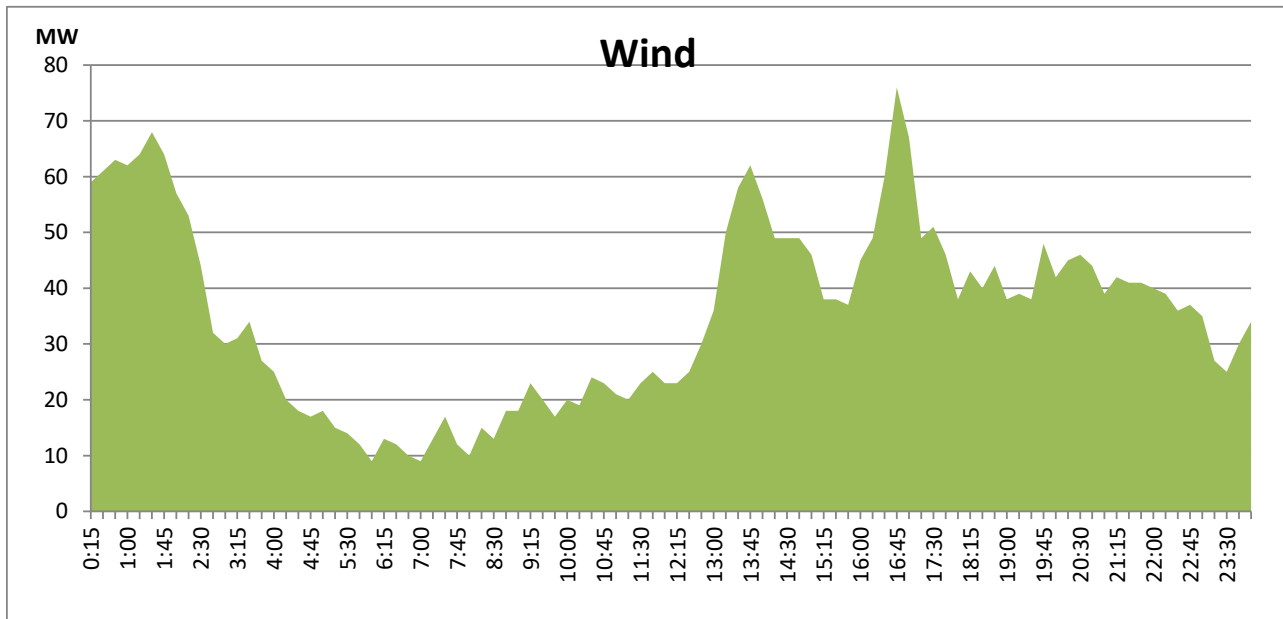
February 11, 2022



## Wind Generation during the Previous day

February 11, 2022

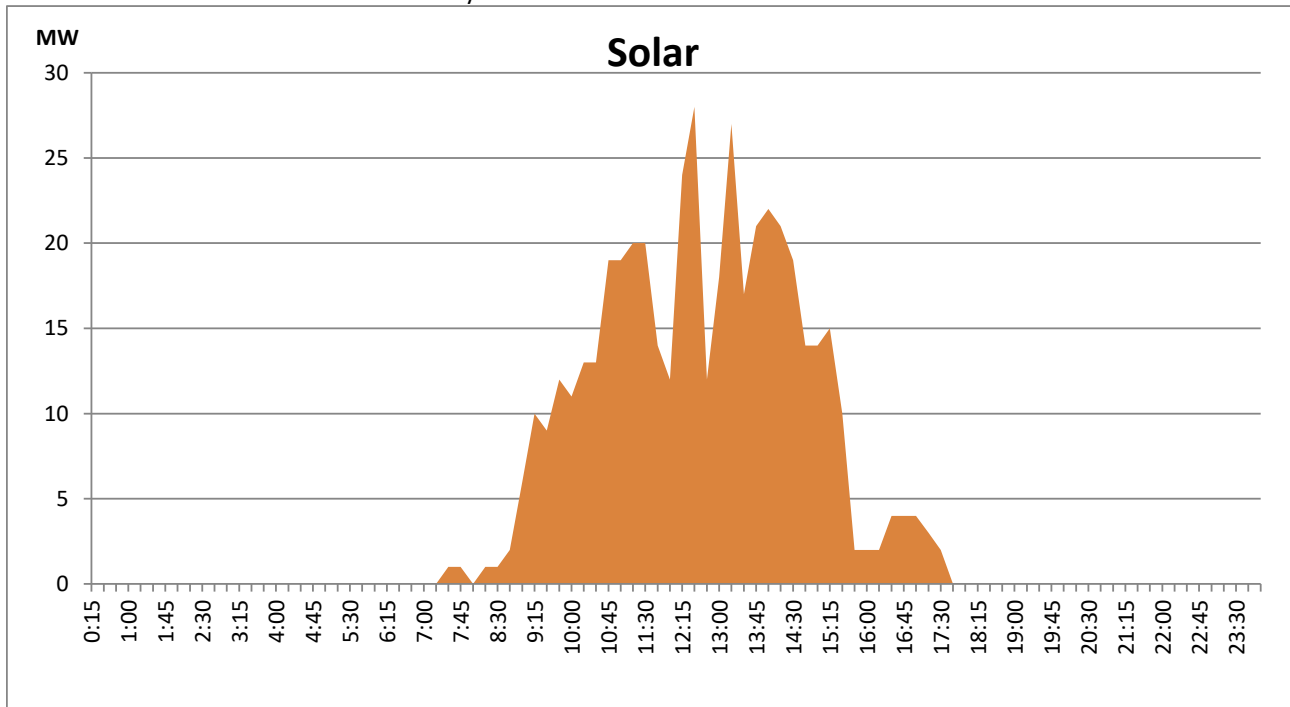
Based on Telemetered Power Stations only



## Solar Generation during the Previous day

February 11, 2022

Based on Telemetered Power Stations only



## Thermal Plant Fuel types

Power Station	Primary Fuel
CEB Thermal	
Sapugaskanda 1	Heavy Fuel
Sapugaskanda 2	Heavy Fuel
Kelanitissa Small Gas Turbines	Auto Diesel
GT 7 - Kelanitissa	Auto Diesel
Kelanitissa CCY	Naptha & Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Furnace Oil

Power Station	Primary Fuel
Private Thermal	
Sojitz - Kelanitissa	Auto Diesel
West Coast	Low Sulphur Furnace oil

Major Incidents during the day -as reported by CEB morning of

February 13, 2022

1) Kerawalapitiya GIS -WCP cable 02 ( GT02 +ST) tripped at 17:23hrs due to the operation of differential protection rejecting 180 MW from the system. WCP GT 01 also shutdown at 17:38hrs and declared 0 MW from 18:00hrs onwards. Kera GIS -WCP cable 02 yet to be energized.

2) Sojitz ST tripped rejecting 48MW from the system at 17:23hrs and resumed generation at 18:20hrs.