

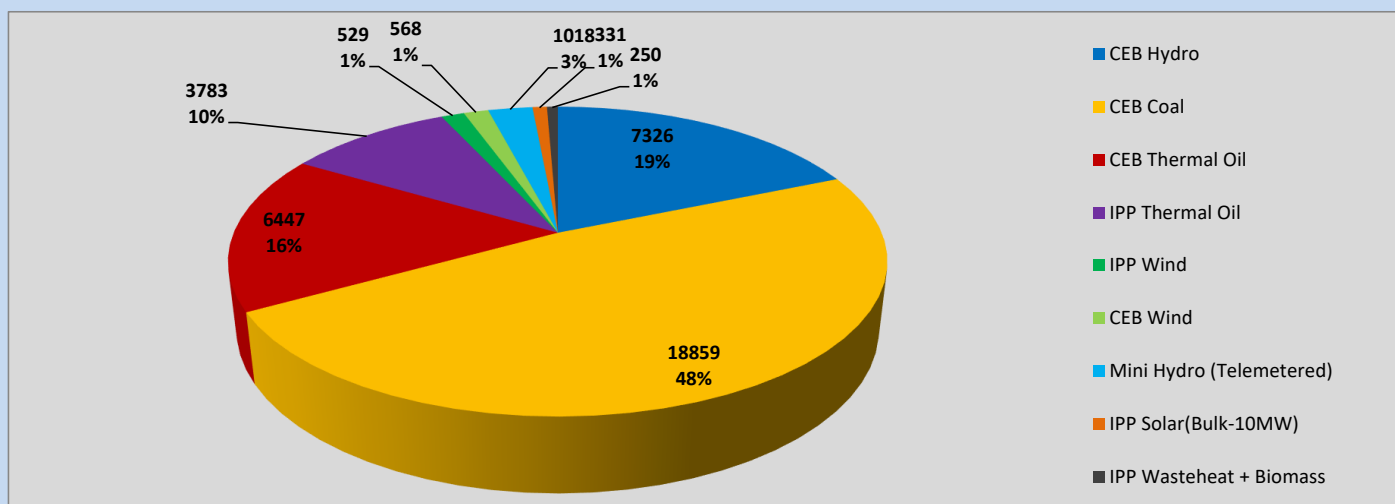
# Generation and Reservoirs Statistics

May 3, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

39,111 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 2972 MWh

Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh

Estimated Solar Roof Top PV = 1920 MWh

## Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

### For Current Month

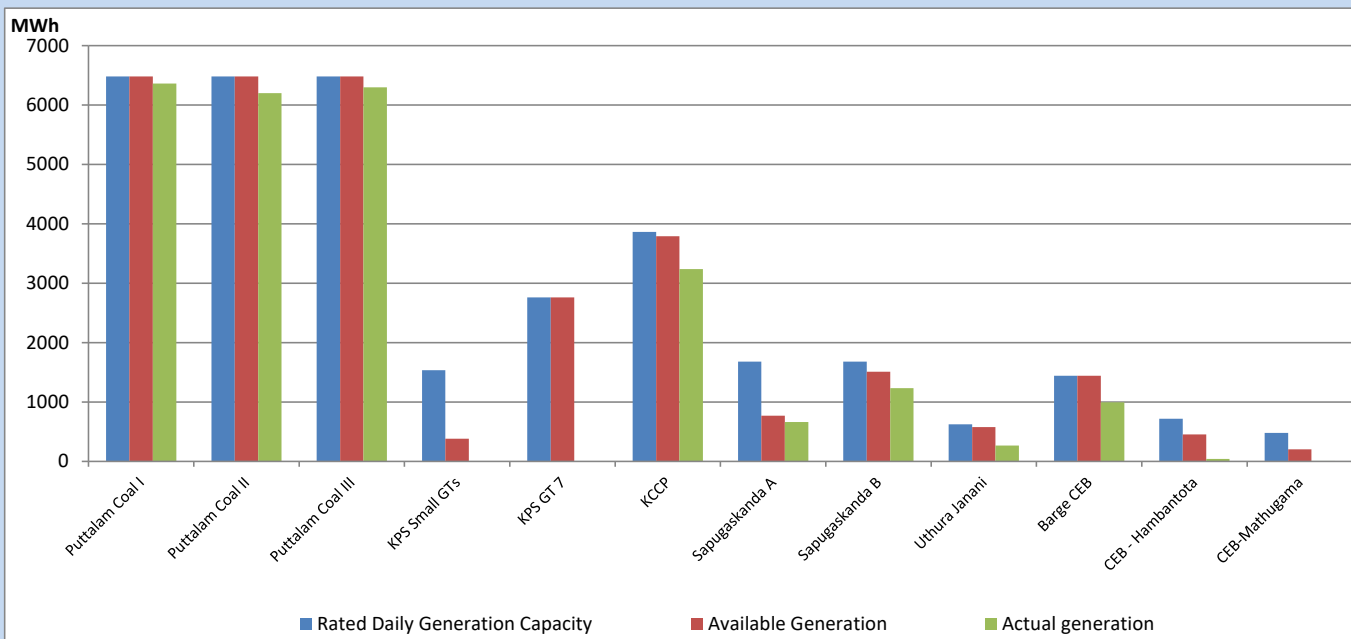
Category	Dispatch (GWh)	
CEB Hydro	21	19.45%
CEB Coal	57	52.63%
CEB Thermal Oil	15	13.61%
IPP Thermal	8	7.52%
SPP Wind	1	1.12%
CEB Wind	1	1.15%
Mini Hydro (Telemetered)	3	3.01%
IPP Solar(Bulk-10MW)	1	0.75%
IPP Wasteheat + BMP	1	0.75%
<b>Total</b>	<b>107</b>	

### For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,222	26.22%
CEB Coal	2,044	43.84%
CEB Thermal Oil	670	14.37%
IPP Thermal	426	9.13%
SPP Wind	59	1.27%
CEB Wind	71	1.53%
Mini Hydro (Telemetered)	99	2.12%
IPP Solar(Bulk-10MW)	35	0.76%
IPP Wasteheat	36	0.76%
<b>Total</b>	<b>4,662</b>	

## CEB owned Thermal Plant Dispatch

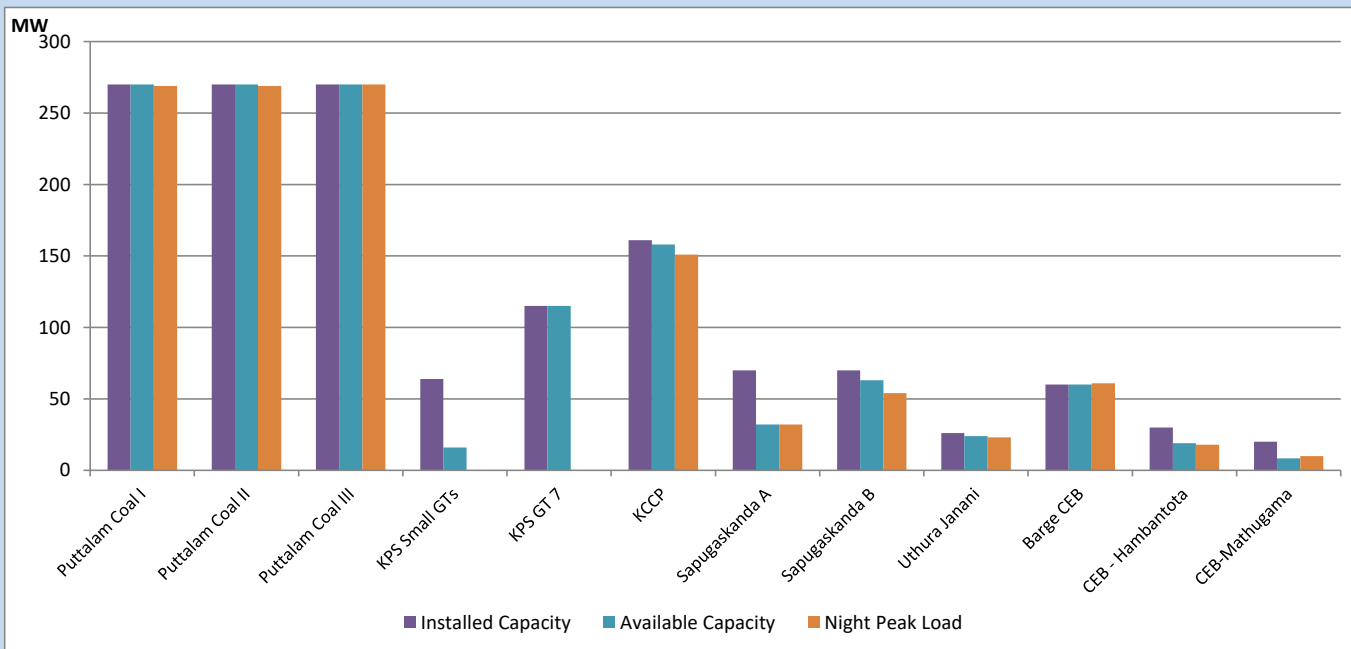
May 3, 2023



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

May 4, 2023

## CEB owned Thermal Plant Loading at the Night Peak

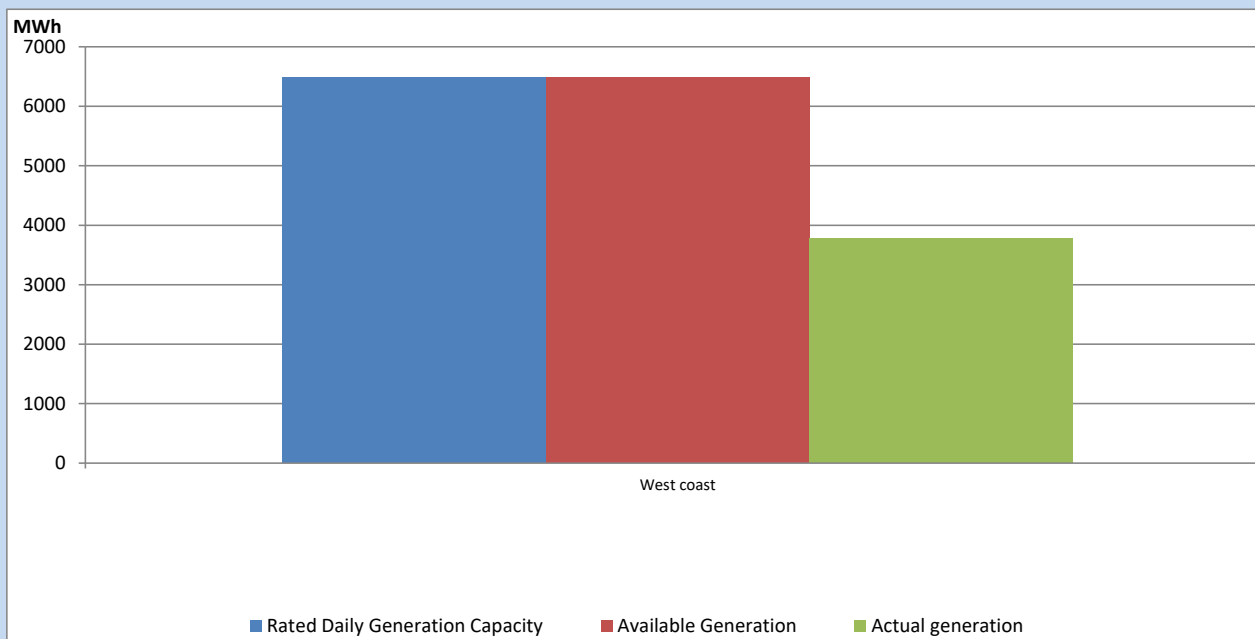


Note- Plant availability is recorded at 6.00 am on

May 4, 2023

## IPP owned Thermal Plant Dispatch

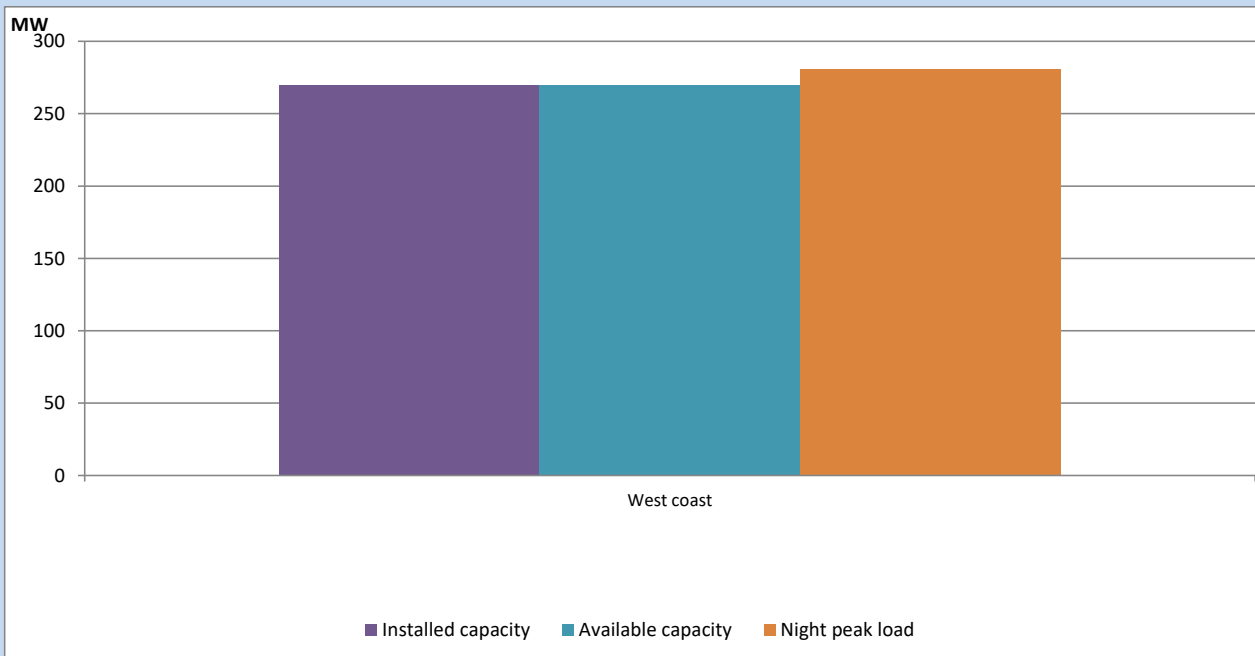
May 3, 2023



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

May 4, 2023

## IPP owned Thermal Plant Loading at the Night Peak

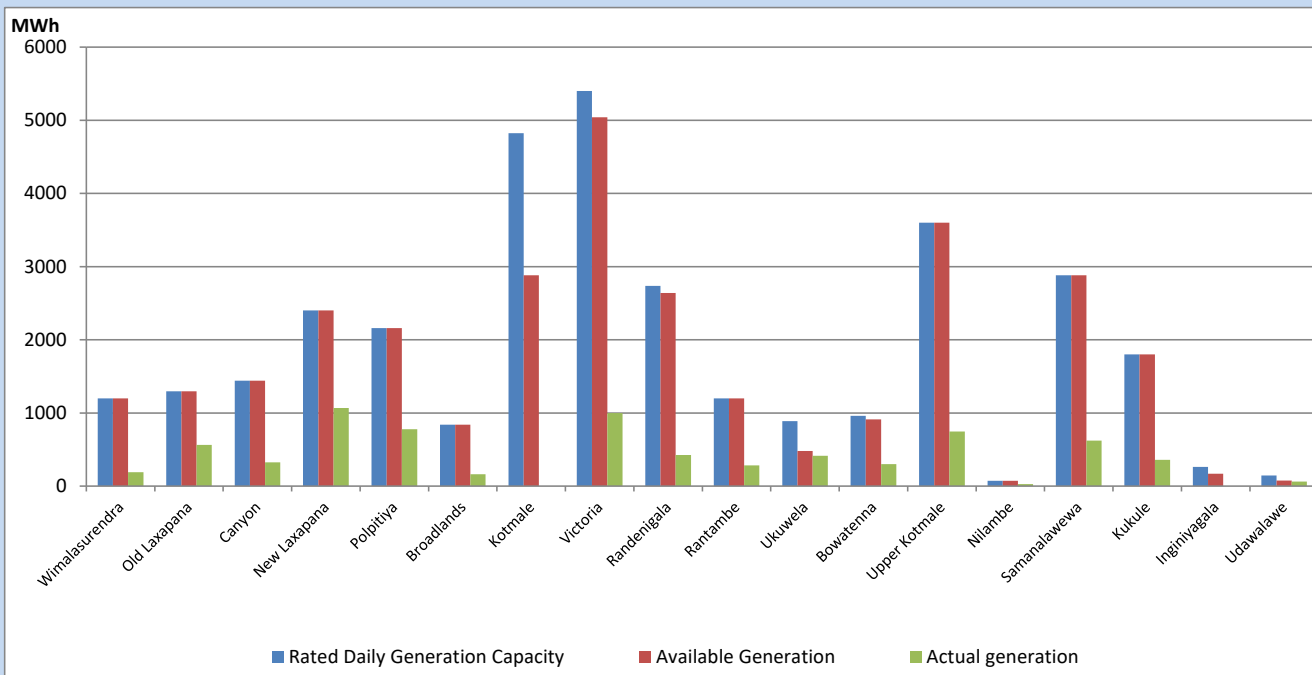


Note- Plant availability is recorded at 6.00 am on

May 4, 2023

## Major Hydro Plant Dispatch

May 3, 2023

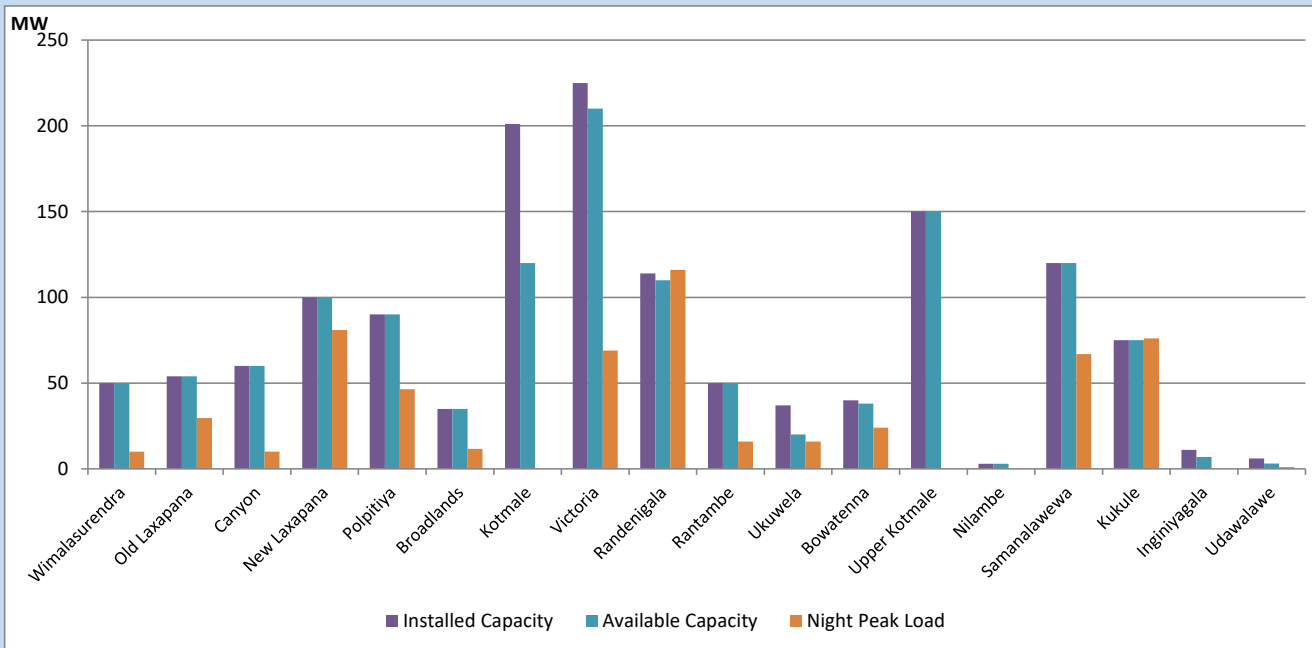


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 4, 2023

## Major Hydro Plant Loading at Night Peak

May 3, 2023



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

May 4, 2023

## Summary of Major Plant performance

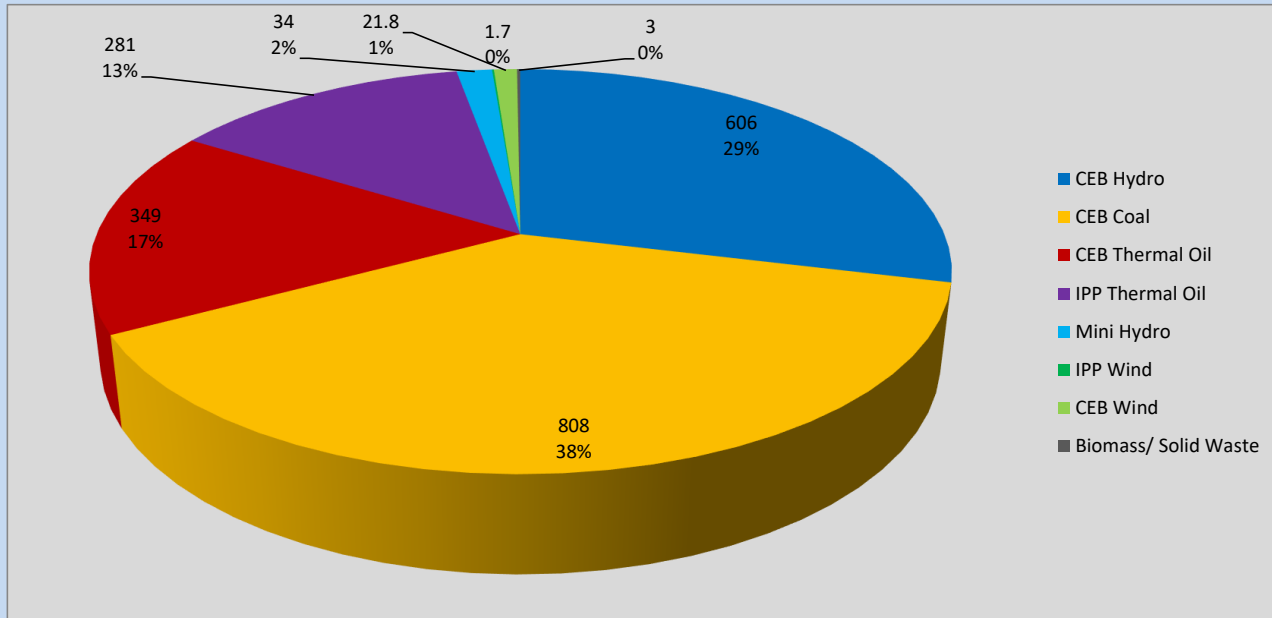
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	191
Old Laxapana	54	54	30	564
Canyon	60	60	10	326
New Laxapana	100	100	81	1,067
Polpitiya	90	90	46	779
Broadlands	35	35	12	162
Kotmale	201	120	0	0
Victoria	225	210	69	1,000
Randenigala	114	110	116	426
Rantambe	50	50	16	284
Ukuwela	37	20	16	414
Bowatenna	40	38	24	299
Upper Kotmale	150	150	0	745
Nilambe	3	3	0	27
Samanalawewa	120	120	67	622
Kukule	75	75	76	359
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	61
Puttalam Coal I	270	270	269	6,360
Puttalam Coal II	270	270	269	6,199
Puttalam Coal III	270	270	270	6,300
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	151	3,237
Sapugaskanda A	70	32	32	662
Sapugaskanda B	70	63	54	1,232
Uthura Janani	26	24	23	268
Barge CEB	60	60	61	996
CEB-Hambantota	30	19	18	43
CEB-Mathugama	20	8	10	9
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	281	3,783
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,871</b>	<b>2,072</b>	<b>39,111</b>

Plant availability is the availability recorded at 6 am on

May 4, 2023

## Contribution to the Night Peak in MW

May 3, 2023

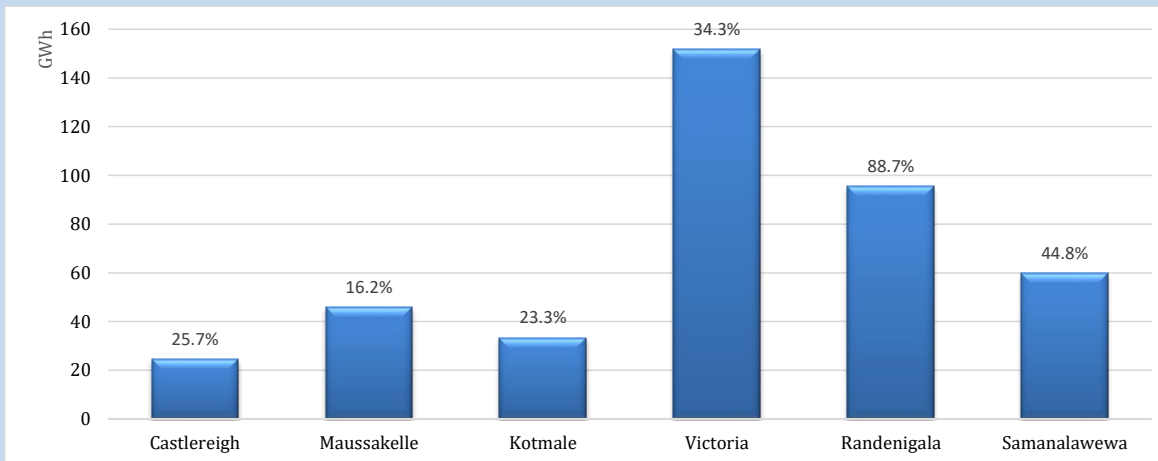


Night Peak*	2,104 MW
Day Peak	1,854 MW
Minimum Demand	1,110 MW

Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

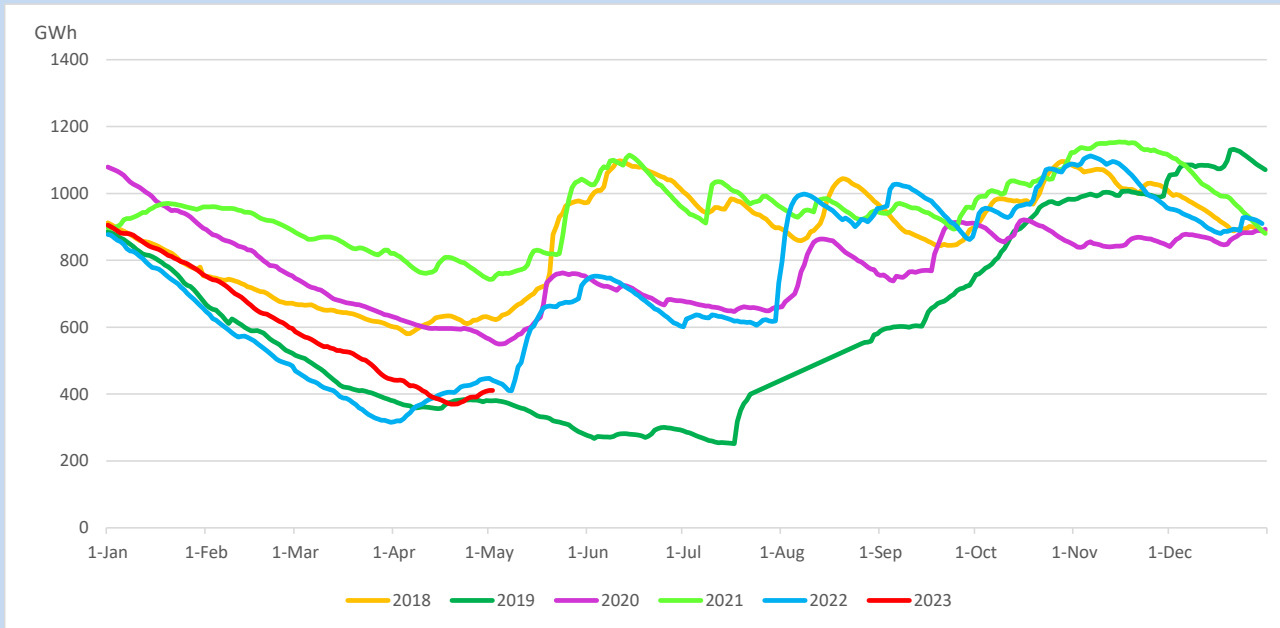
## Reservoir Levels -

as at 06.00 Hr on May 4, 2023

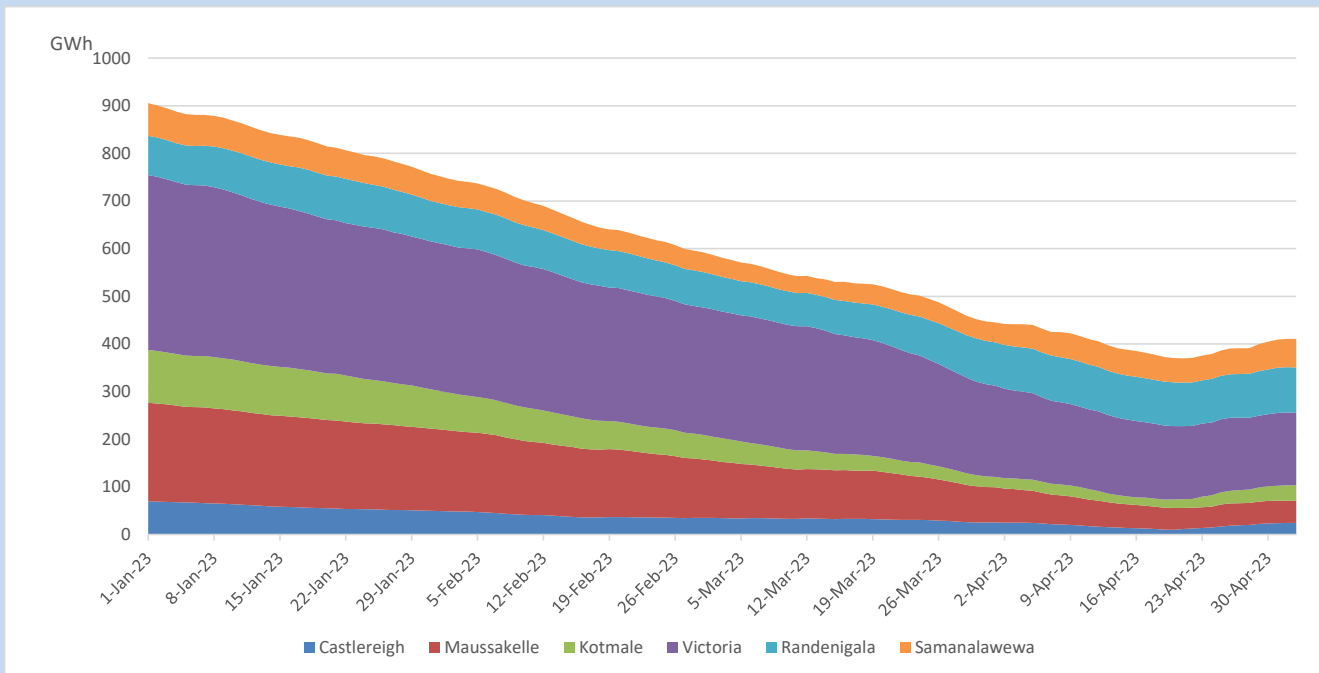


Total Reservoir Level	410.5 GWh
% of Total capacity	34.1%

## Comparison of Total Reservoir Storage Levels with Past Years

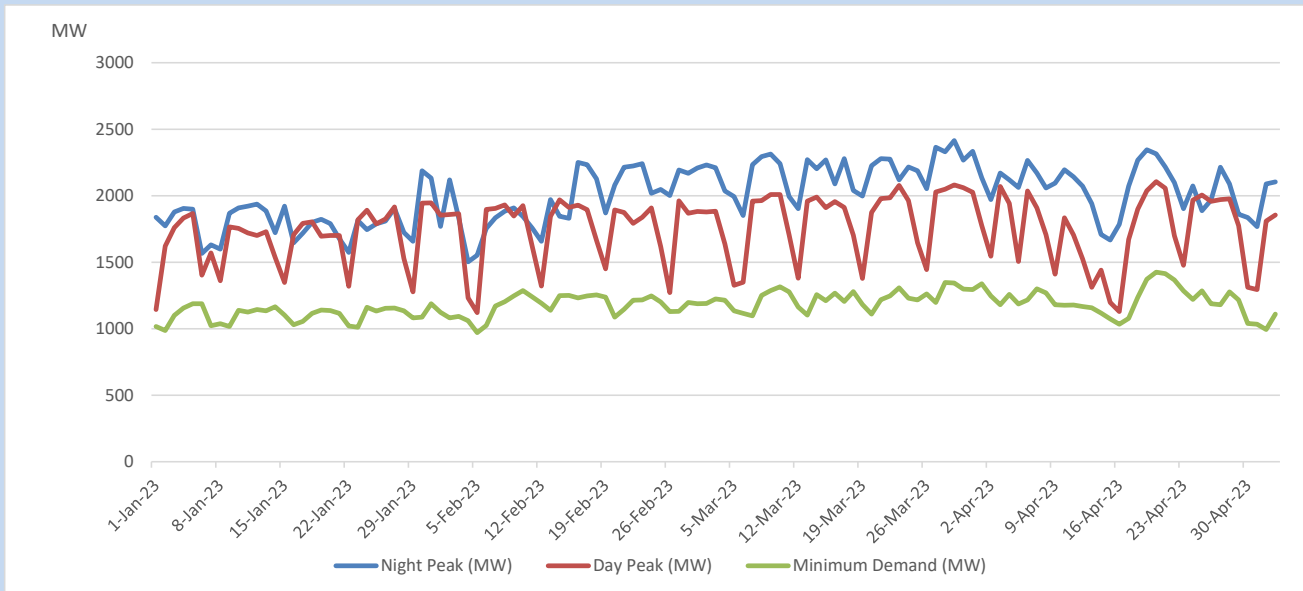


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

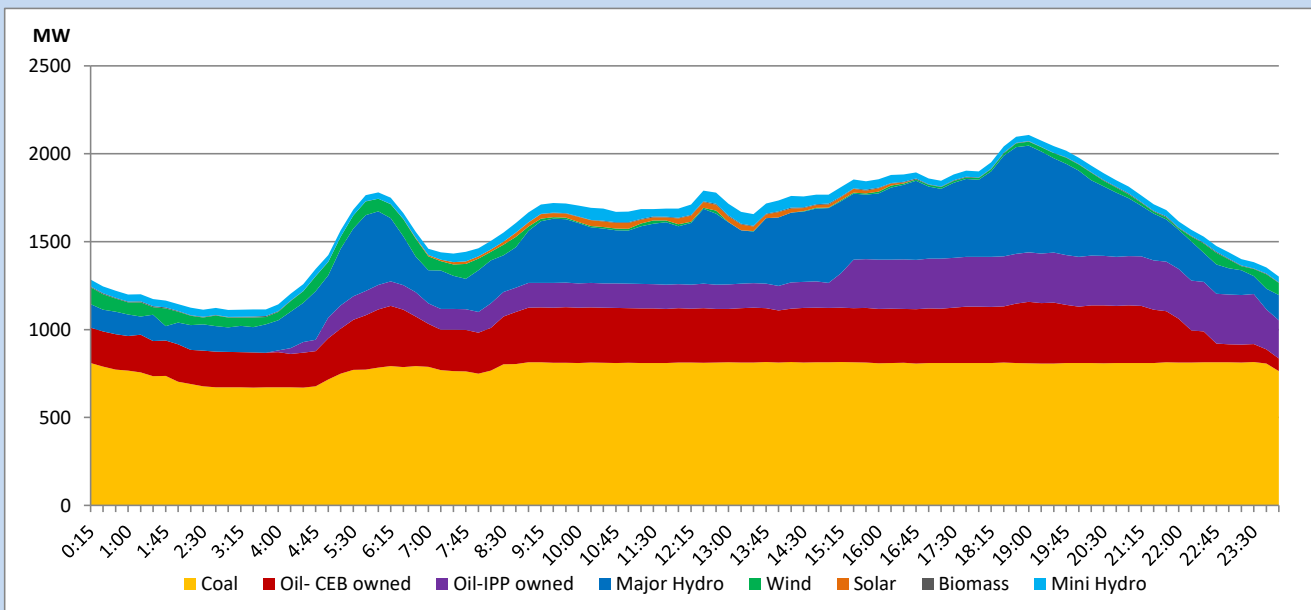


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

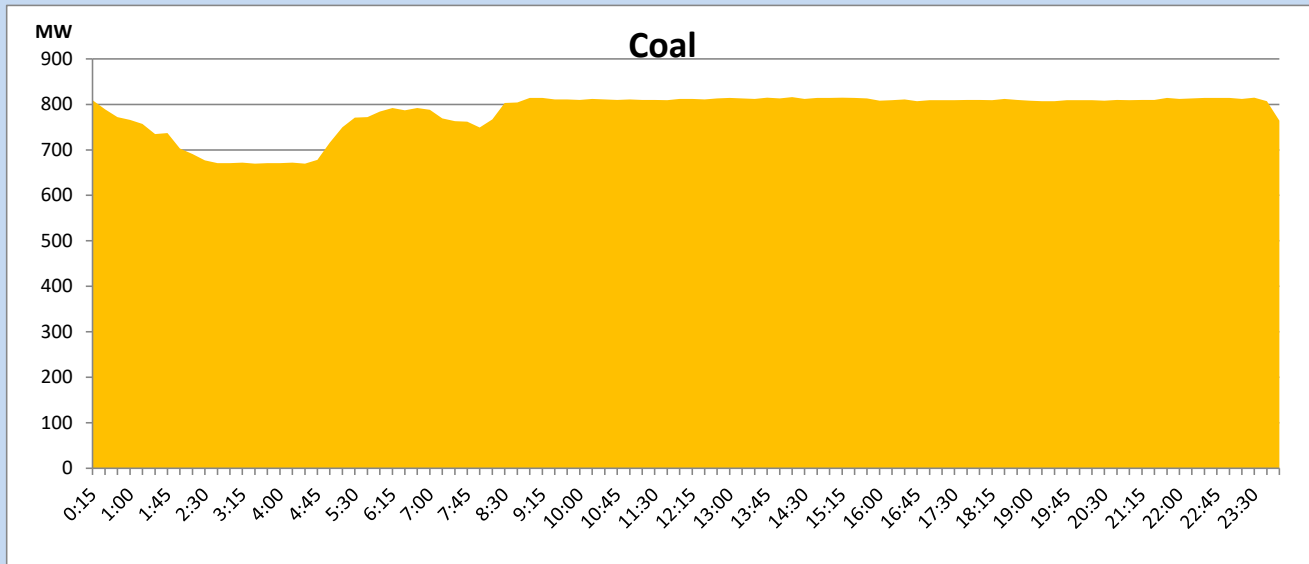
May 3, 2023

Solar and wind data is based on Telemetered Power Stations only



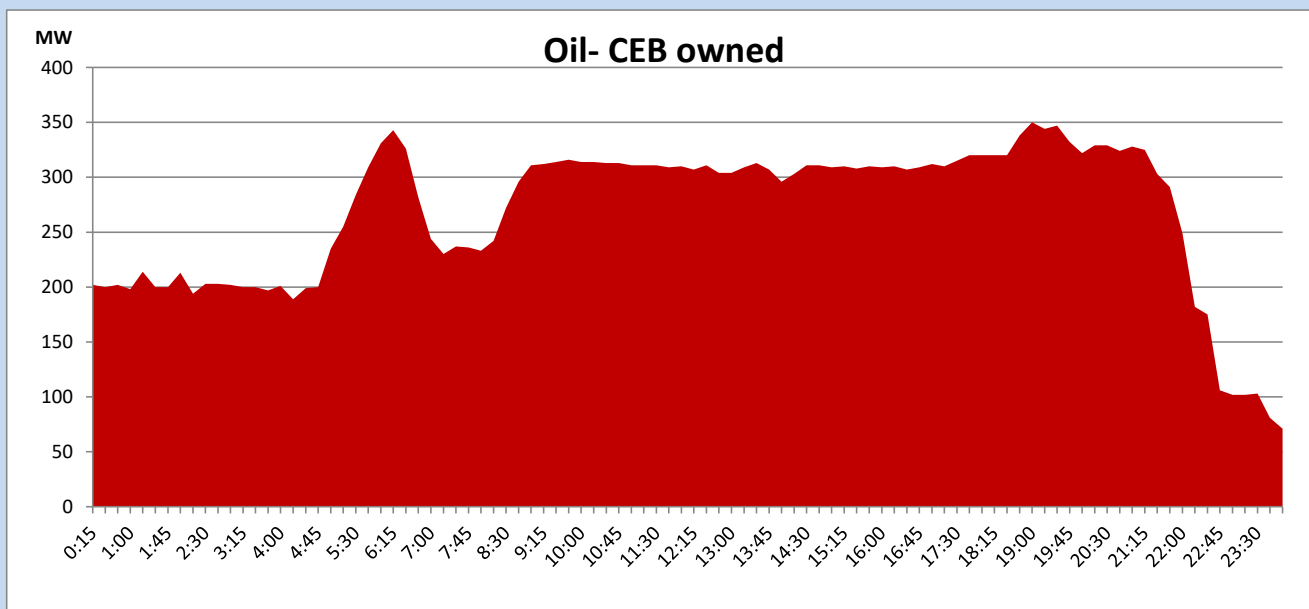
## Coal Generation during

May 3, 2023



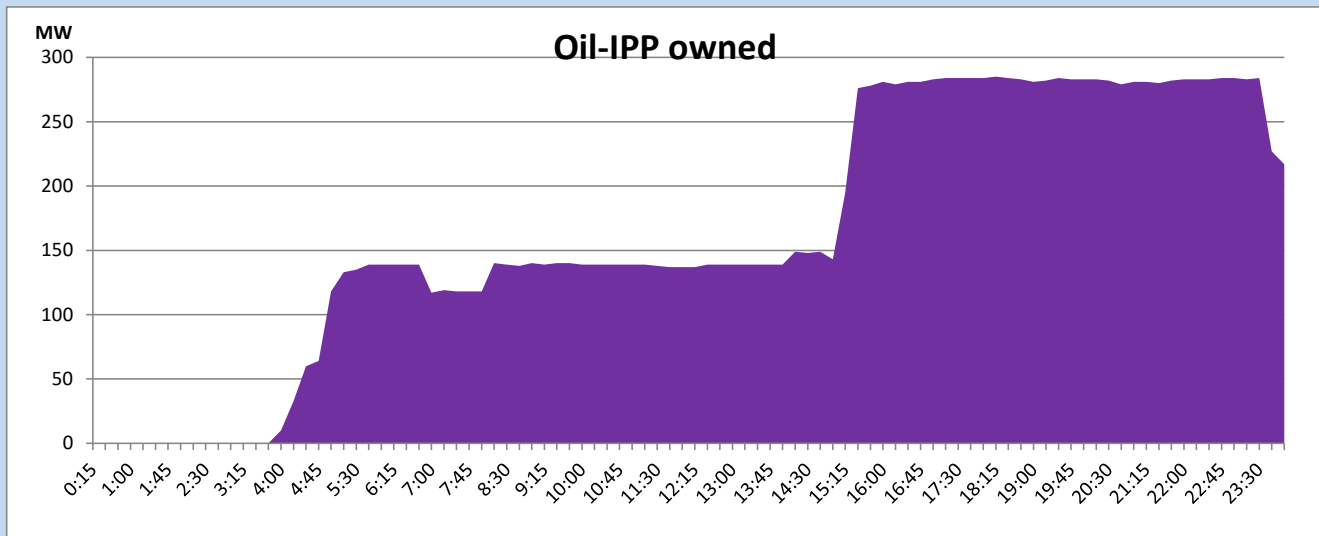
## CEB Oil Plant Generation during

May 3, 2023



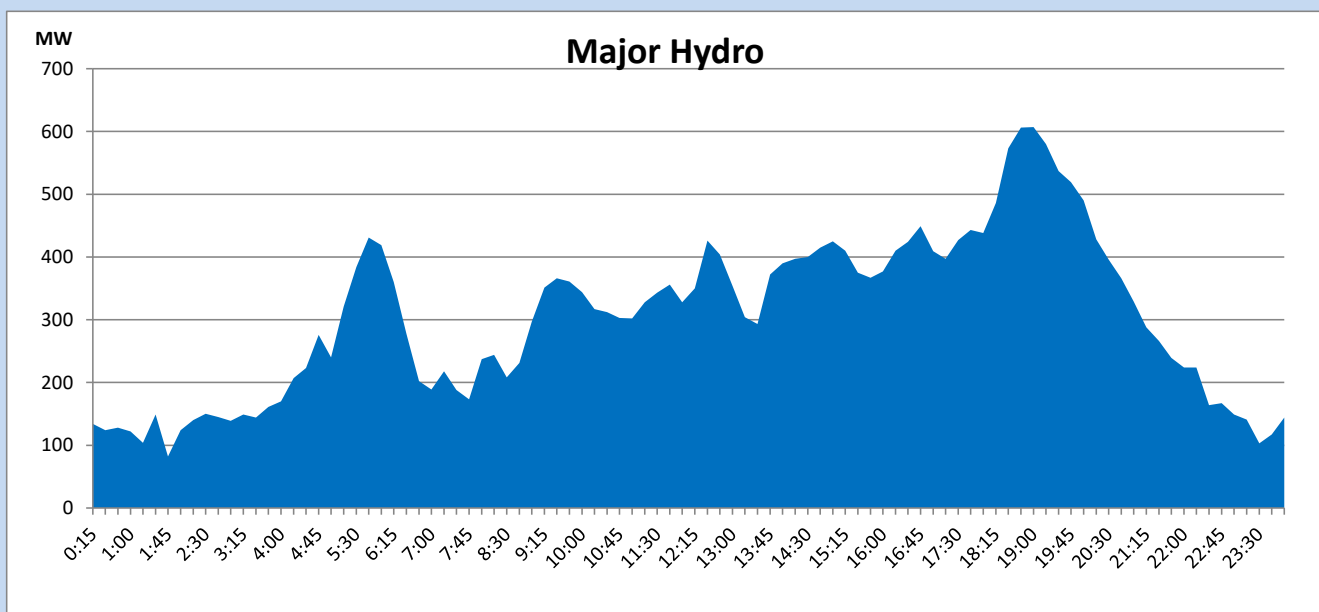
## IPP Oil Plant Generation during

May 3, 2023



## Major Hydro Generation during

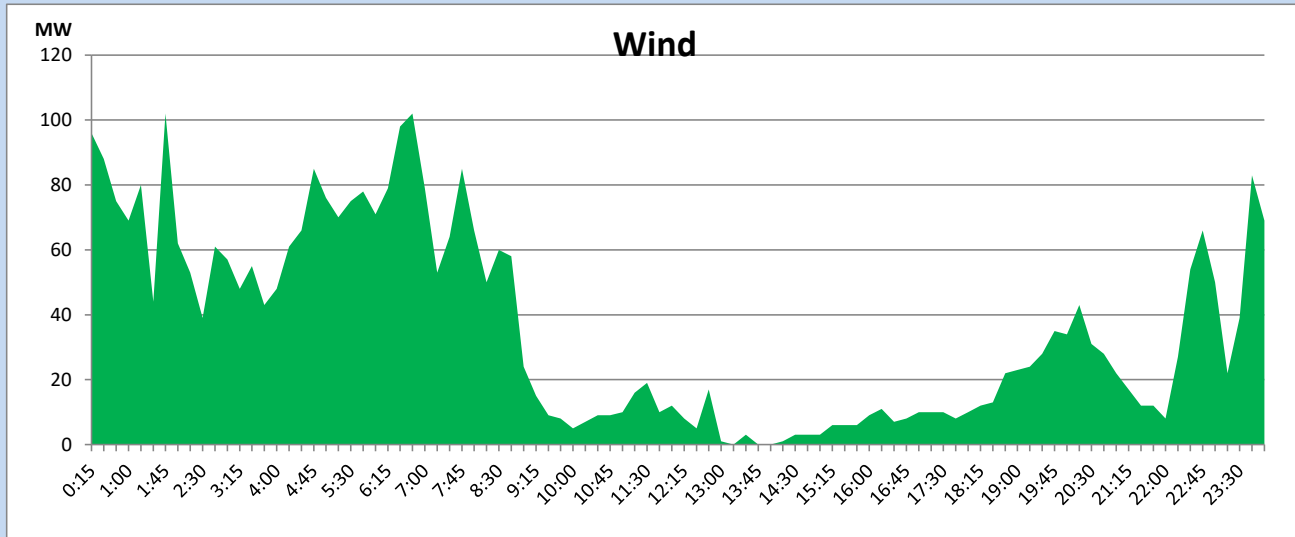
May 3, 2023



## Wind Generation during

May 3, 2023

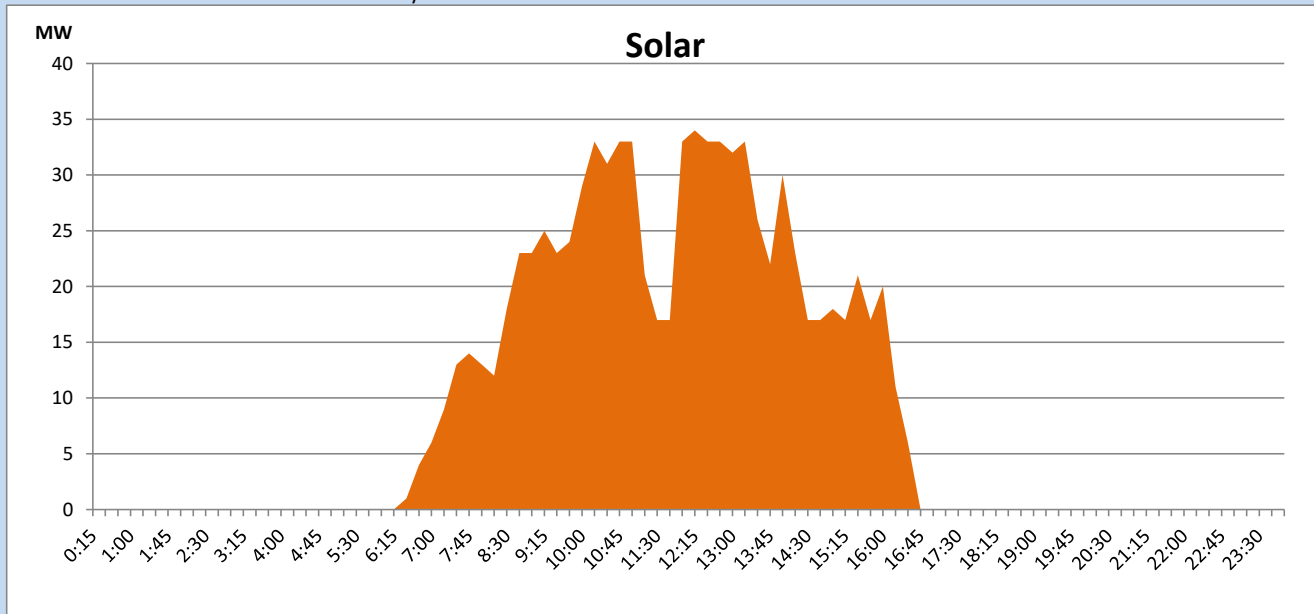
Based on Telemetered Power Stations only



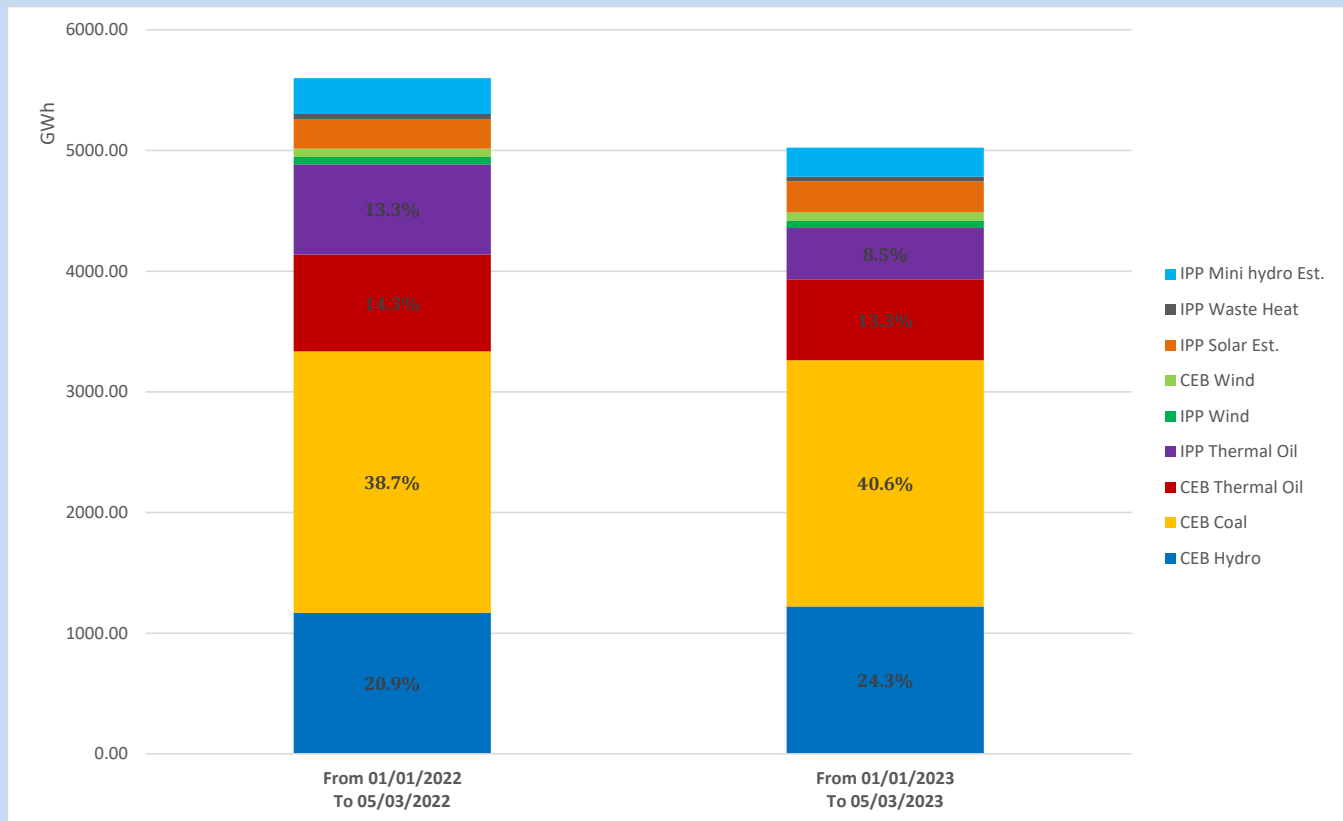
## Solar Generation during

May 3, 2023

Based on Telemetered Power Stations only



## Cumulative Dispatch Comparison with Last Year



The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants

## 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	Naphtha or Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Heavy Fuel

Power Station	Primary Fuel
Private Thermal	
West Coast	Auto Diesel / Heavy Fuel

## Major Incidents reported during the day

May 3, 2023

- 1) Mannar – Nadukuda 220kV cct 02 tripped from Mannar end and tripped and A/R from Nadukuda end at 06:04hrs due to the operation of differential protection. Mannar – Nadukuda 220kV cct 02 normalized at 08:29hrs.
- 2) Barge Unit 02 tripped at 13.45hrs rejecting 15MW from the system due to the operation of over speed protection and resumed generation at 14:00hrs.
- 3) Victoria unit 02 tripped at 05:39hrs (04.05.23) due to high turbine pit water level, as the only F/C conducting machine which had been synchronized to the system at the time. The unit made available at 06:36hrs.