

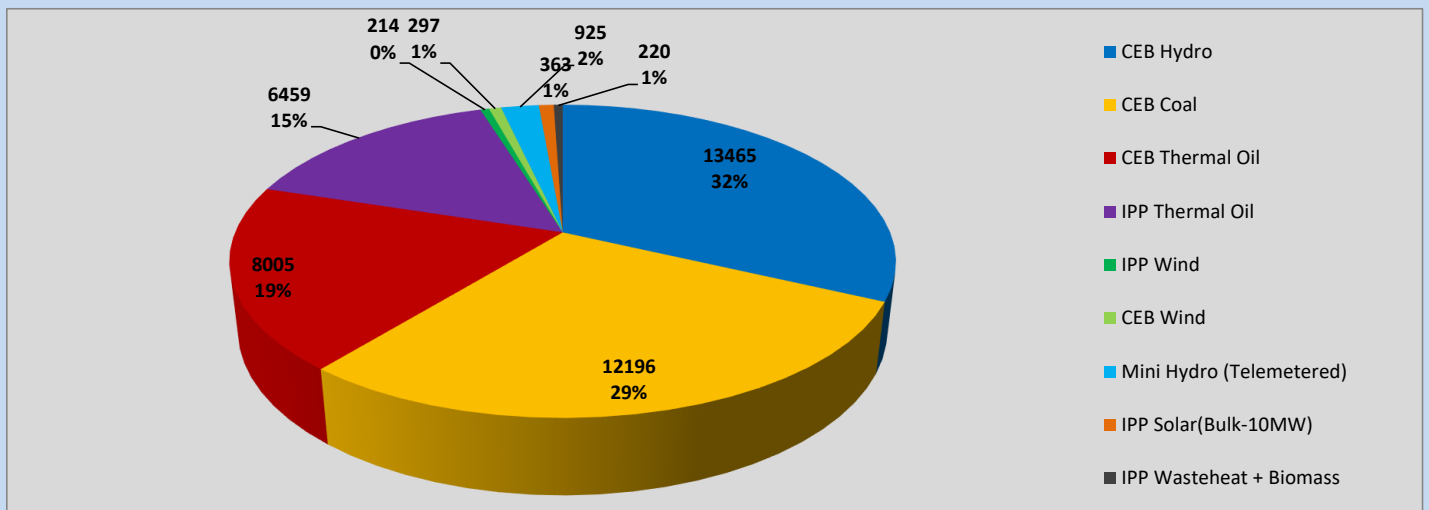
# Generation and Reservoirs Statistics

March 22, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

42,144 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 385 MWh

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

Estimated Solar Roof Top PV = 1490 MWh

## Cumulative Dispatch

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

### For Current Month

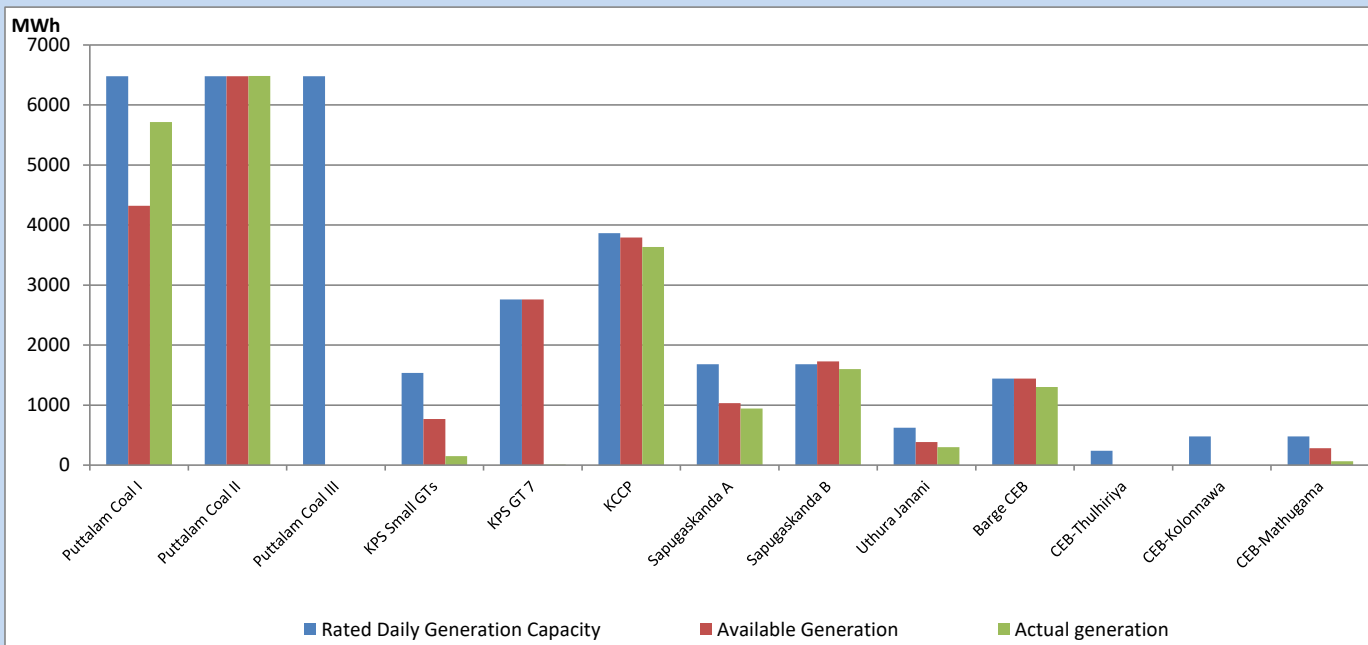
Category	Dispatch (GWh)	Percentage
CEB Hydro	199	22.98%
CEB Coal	401	46.30%
CEB Thermal Oil	126	14.56%
IPP Thermal	85	9.77%
SPP Wind	12	1.33%
CEB Wind	14	1.67%
Mini Hydro (Telemetered)	17	1.97%
IPP Solar(Bulk-10MW)	6	0.69%
IPP Wasteheat + BMP	6	0.73%
<b>Total</b>	<b>866</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	800	26.31%
CEB Coal	1,405	46.19%
CEB Thermal Oil	403	13.25%
IPP Thermal	216	7.09%
SPP Wind	50	1.63%
CEB Wind	59	1.94%
Mini Hydro (Telemetered)	63	2.07%
IPP Solar(Bulk-10MW)	23	0.74%
IPP Wasteheat	23	0.77%
<b>Total</b>	<b>3,042</b>	

## CEB owned Thermal Plant Dispatch

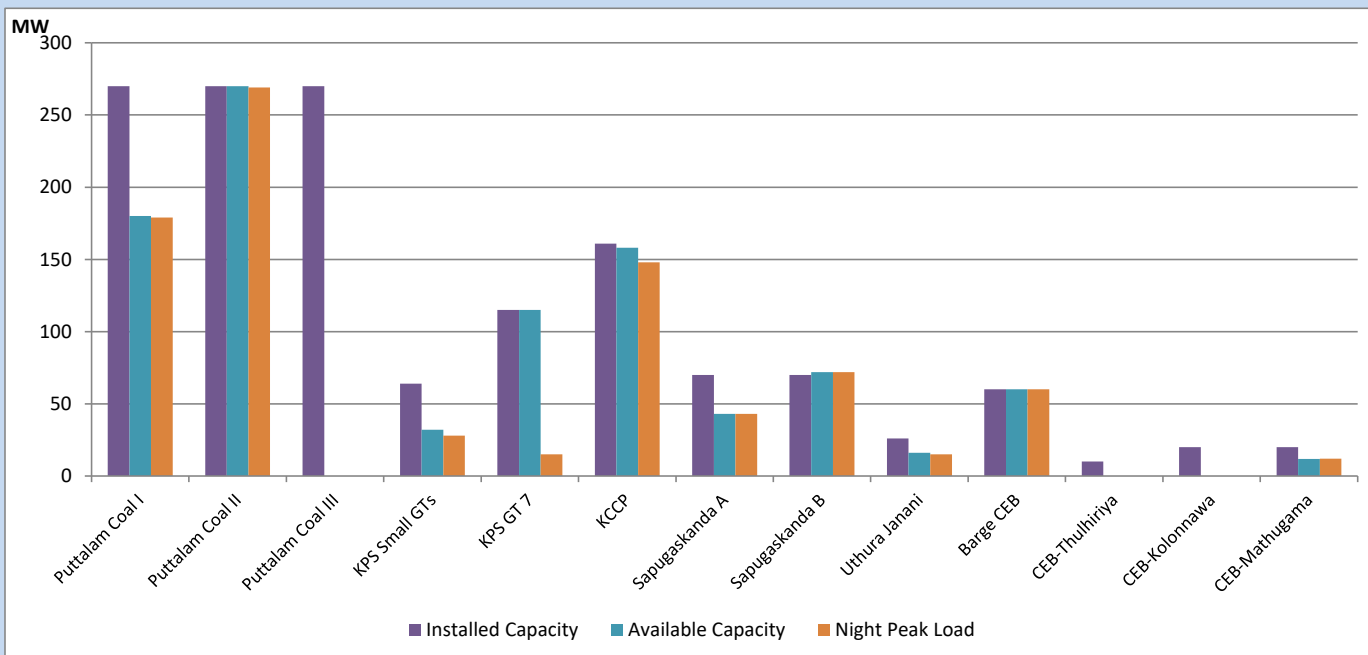
March 22, 2023



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

March 23, 2023

## CEB owned Thermal Plant Loading at the Night Peak

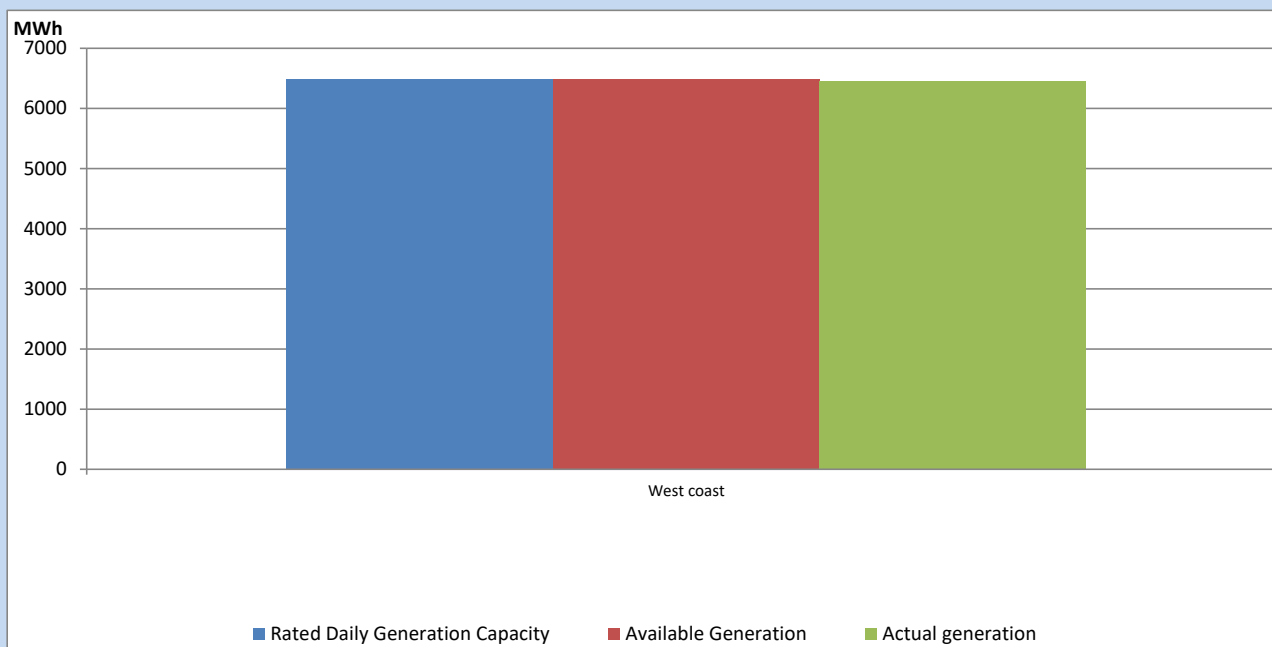


Note- Plant availability is recorded at 6.00 am on

March 23, 2023

## IPP owned Thermal Plant Dispatch

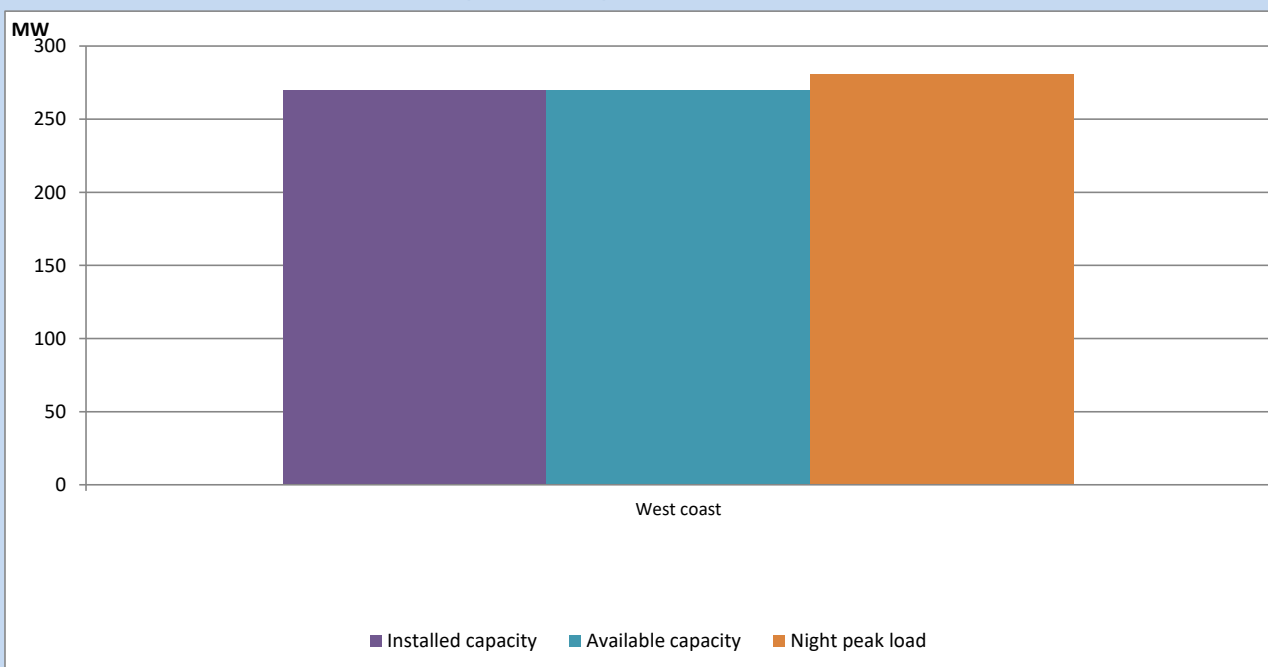
March 22, 2023



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

March 23, 2023

## IPP owned Thermal Plant Loading at the Night Peak

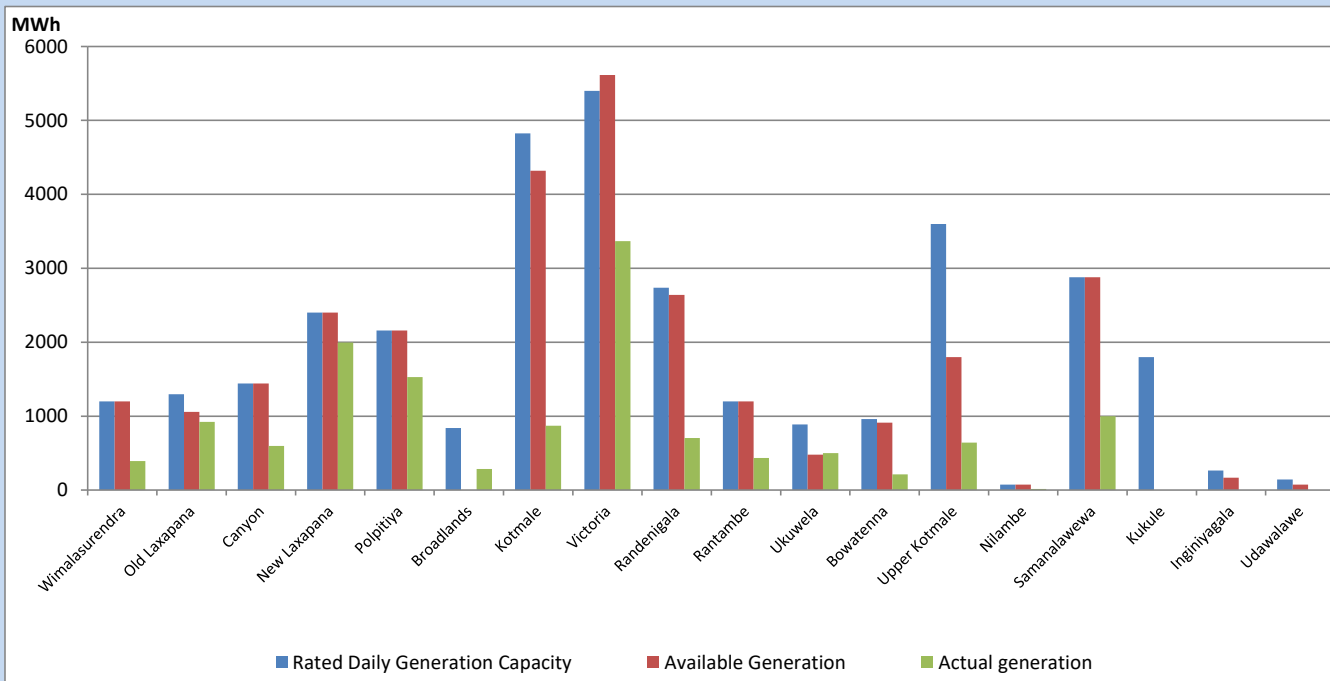


Note- Plant availability is recorded at 6.00 am on

March 23, 2023

## Major Hydro Plant Dispatch

March 22, 2023

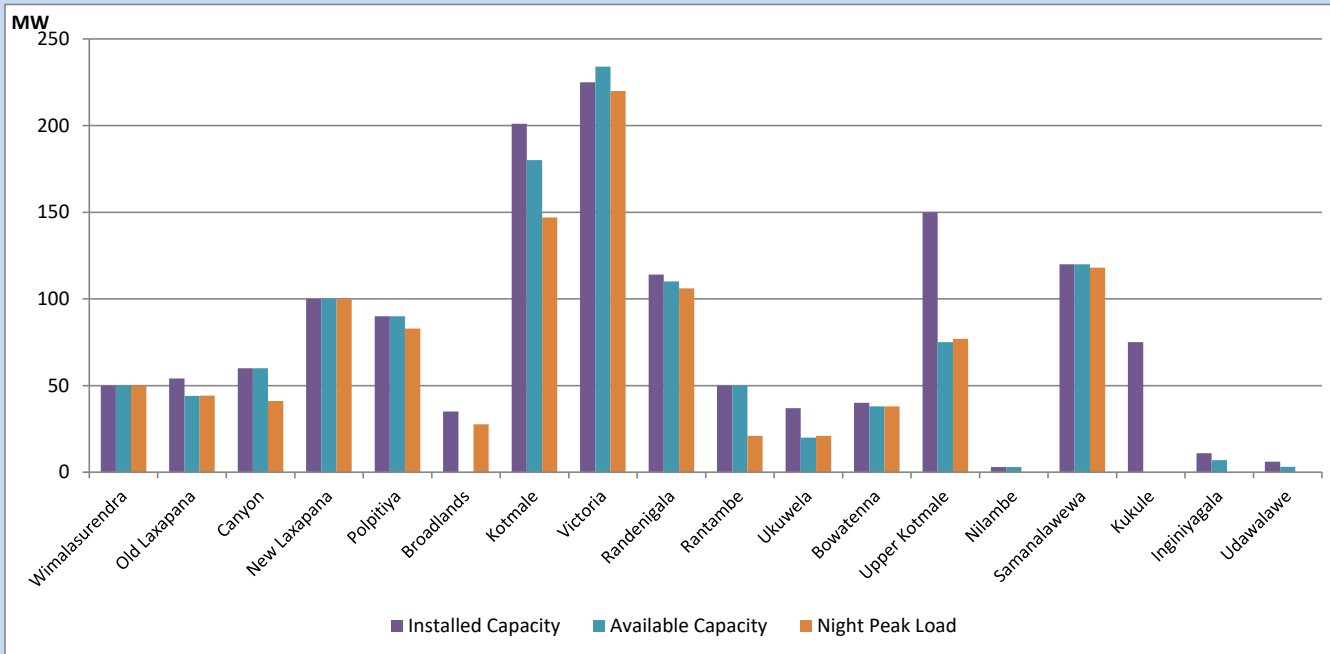


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 23, 2023

## Major Hydro Plant Loading at Night Peak

March 22, 2023



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

March 23, 2023

## Summary of Major Plant performance

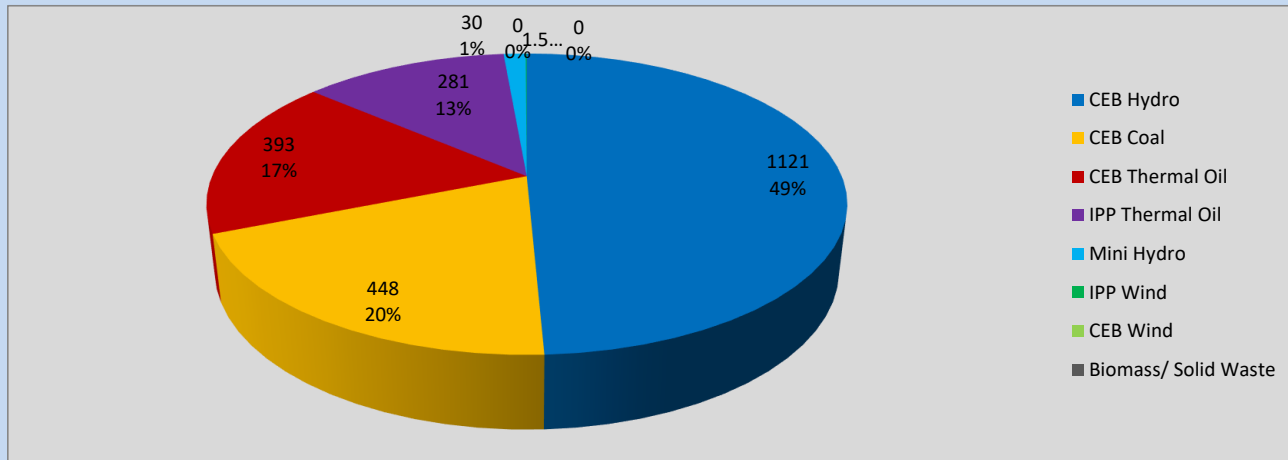
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	393
Old Laxapana	54	44	44	923
Canyon	60	60	41	595
New Laxapana	100	100	100	1,997
Polpitiya	90	90	83	1,529
Broadlands	35	0	28	286
Kotmale	201	180	147	870
Victoria	225	234	220	3,367
Randenigala	114	110	106	704
Rantambe	50	50	21	434
Ukuwela	37	20	21	501
Bowatenna	40	38	38	213
Upper Kotmale	150	75	77	640
Nilambe	3	3	0	15
Samanalawewa	120	120	118	998
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	0
Puttalam Coal I	270	180	179	5,714
Puttalam Coal II	270	270	269	6,482
Puttalam Coal III	270	0	0	0
KPS Small GTs	64	32	28	150
KPS GT 7	115	115	15	8
KCCP	161	158	148	3,635
Sapugaskanda A	70	43	43	944
Sapugaskanda B	70	72	72	1,602
Uthura Janani	26	16	15	300
Barge CEB	60	60	60	1,303
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	12	12	63
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	281	6,459
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,412</b>	<b>2,247</b>	<b>42,144</b>

Plant availability is the availability recorded at 6 am on

March 23, 2023

## Contribution to the Night Peak in MW

March 22, 2023

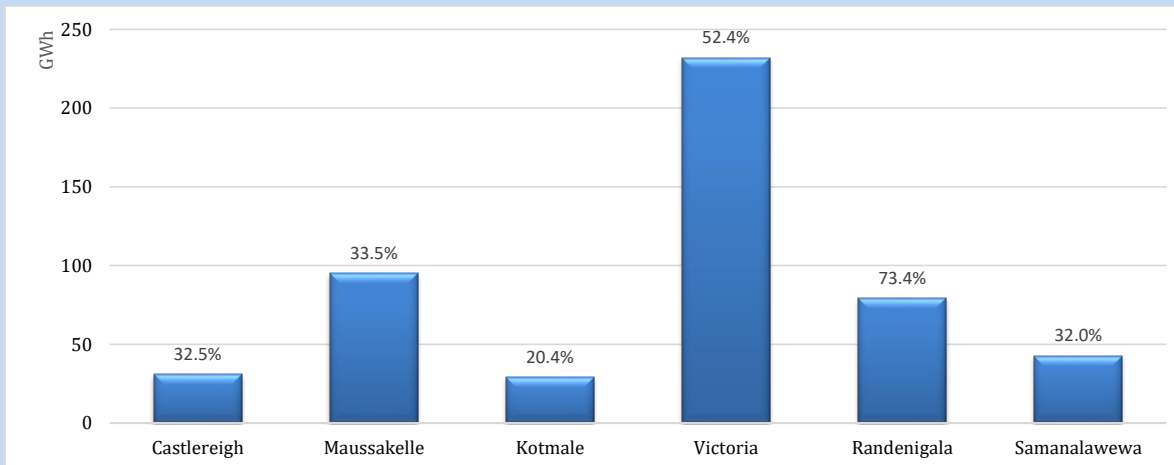


Night Peak*	2,274 MW
Day Peak	1,985 MW
Minimum Demand	1,247 MW

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

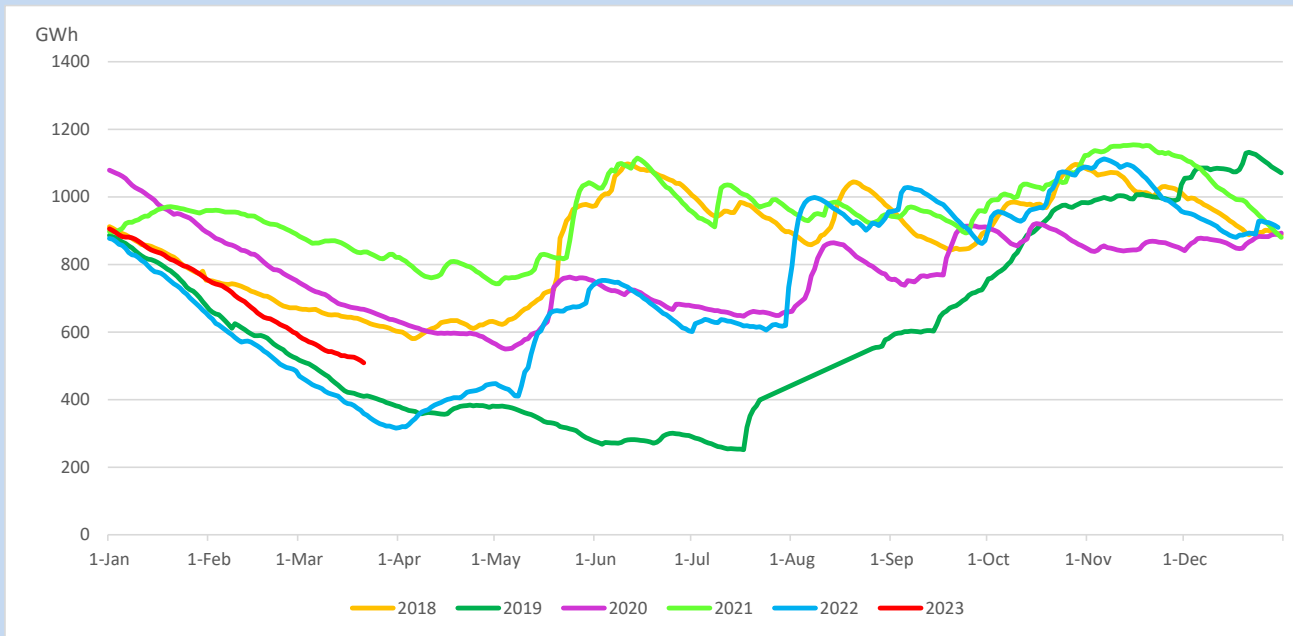
## Reservoir Levels -

as at 06.00 Hr on March 23, 2023

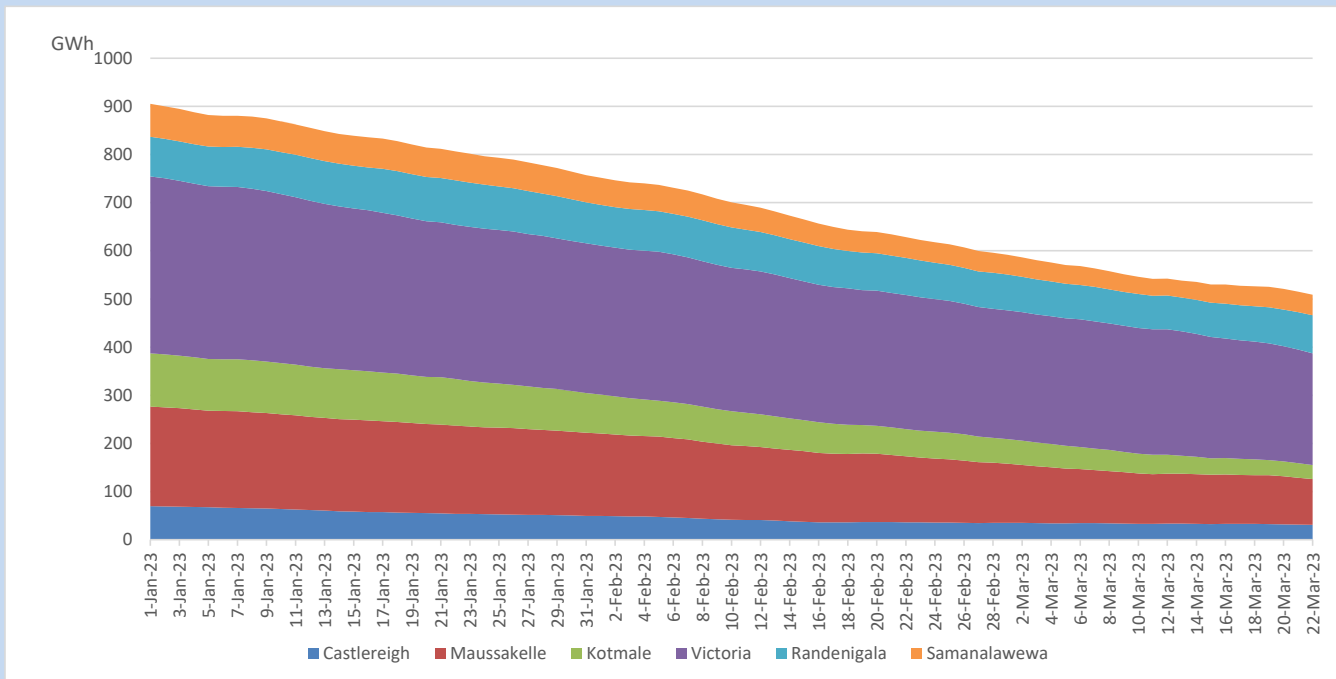


Total Reservoir Level	508.8 GWh
% of Total capacity	42.2%

## Comparison of Total Reservoir Storage Levels with Past Years

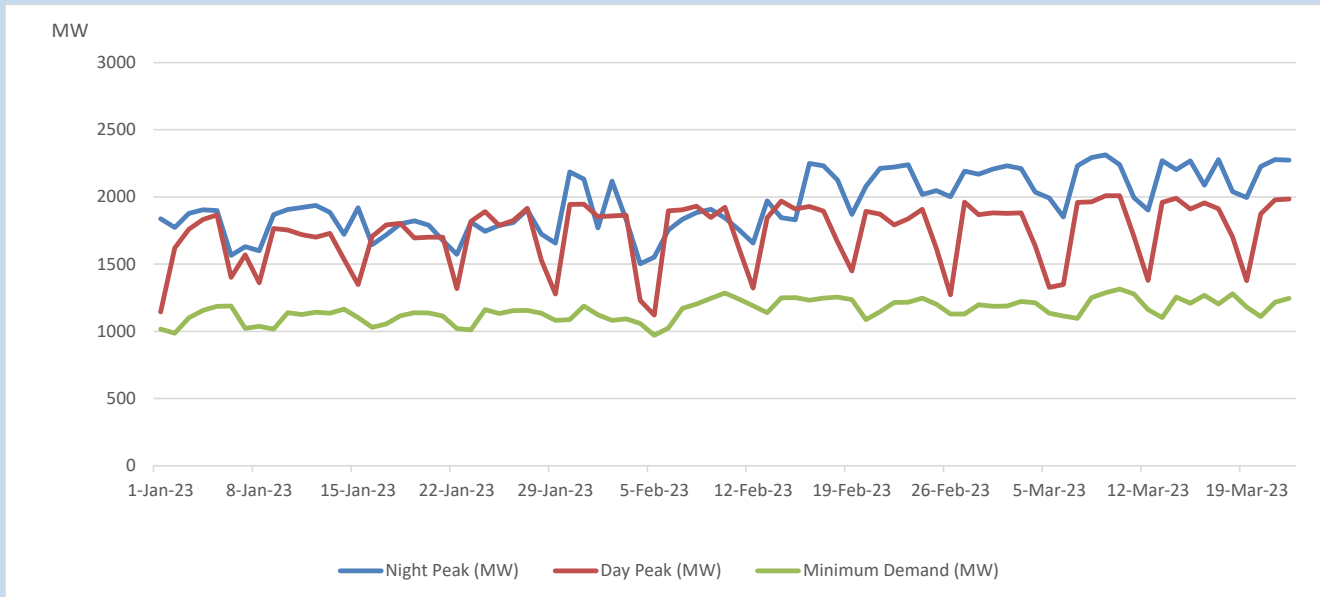


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

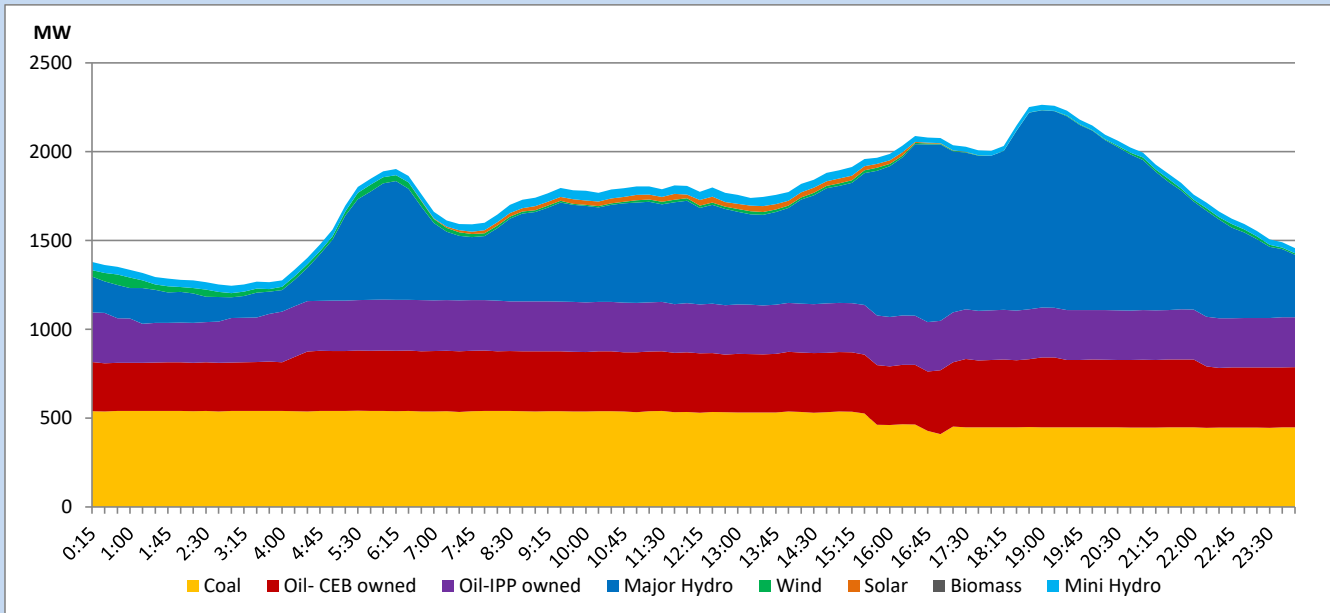


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

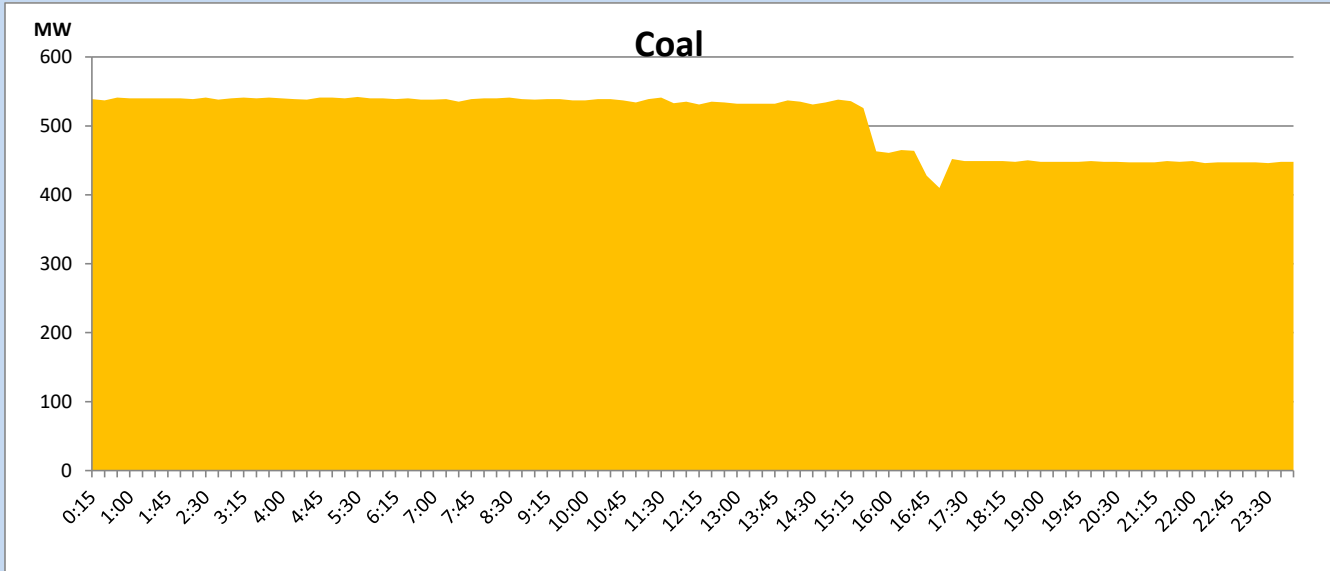
March 22, 2023

Solar and wind data is based on Telemetered Power Stations only



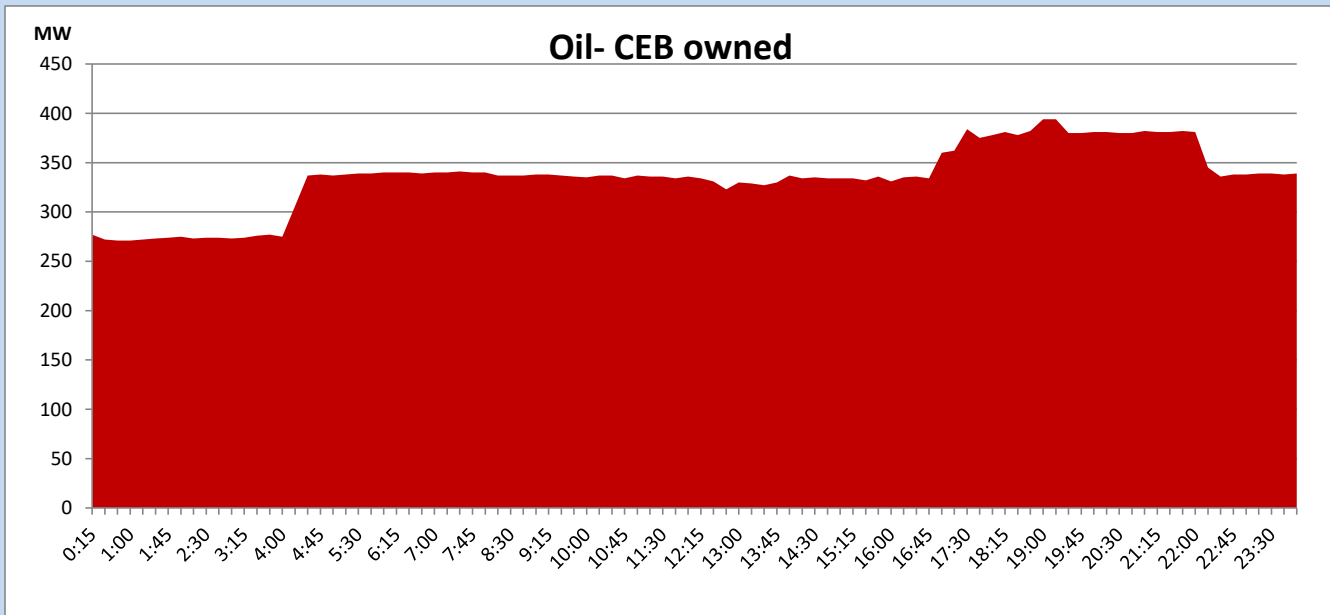
## Coal Generation during

March 22, 2023



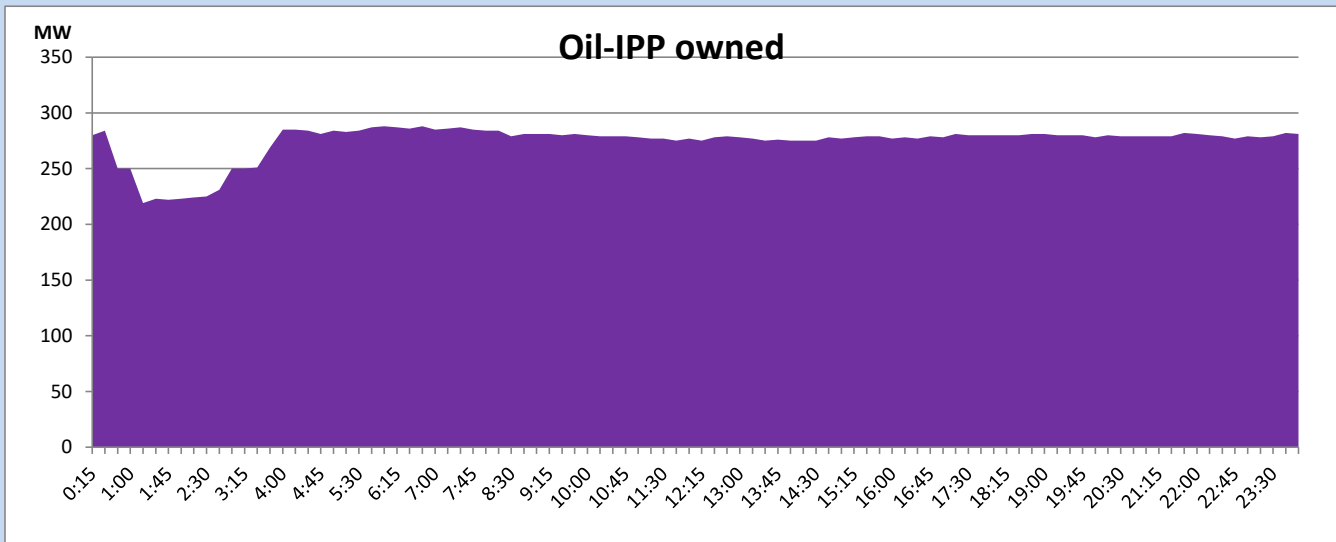
## CEB Oil Plant Generation during

March 22, 2023



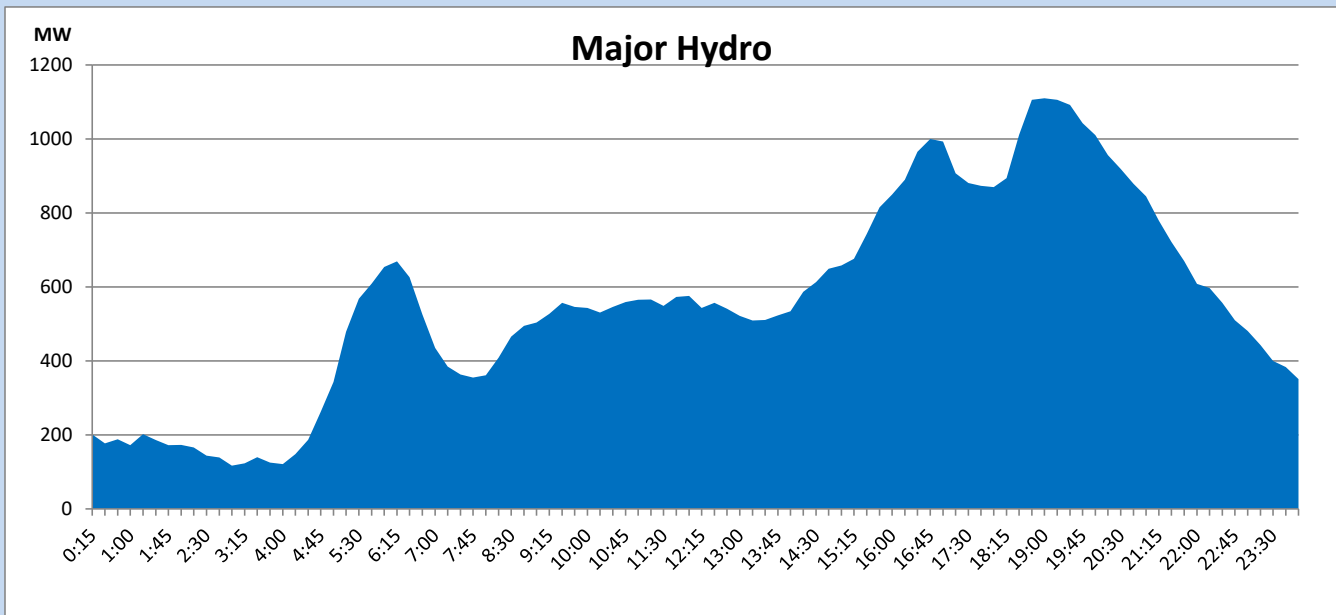
IPP Oil Plant Generation during

March 22, 2023



Major Hydro Generation during

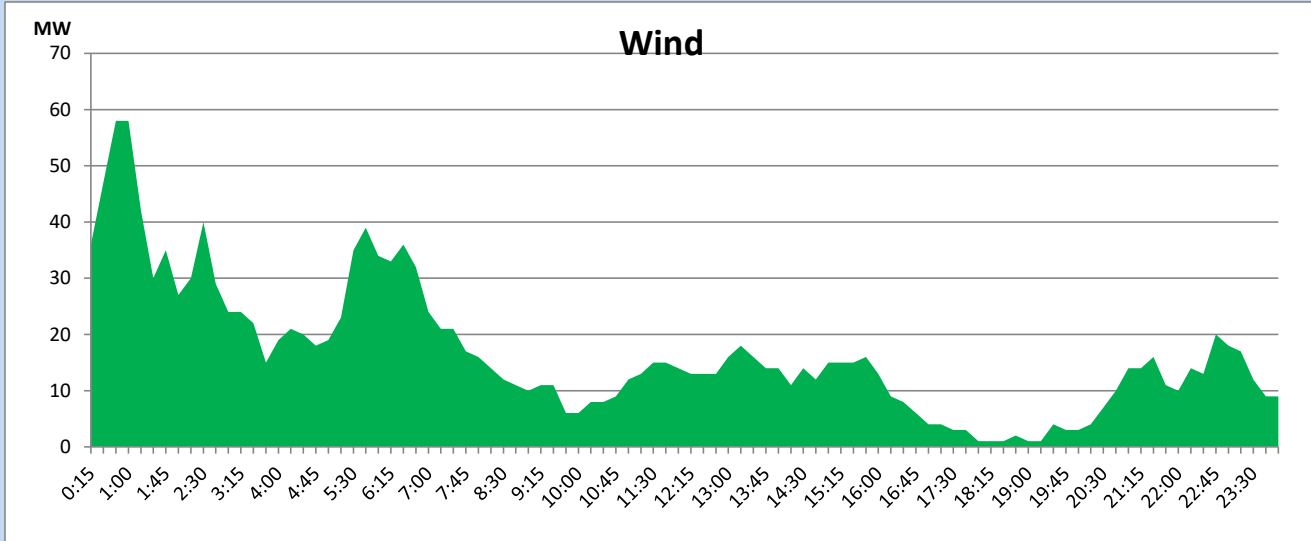
March 22, 2023



## Wind Generation during

March 22, 2023

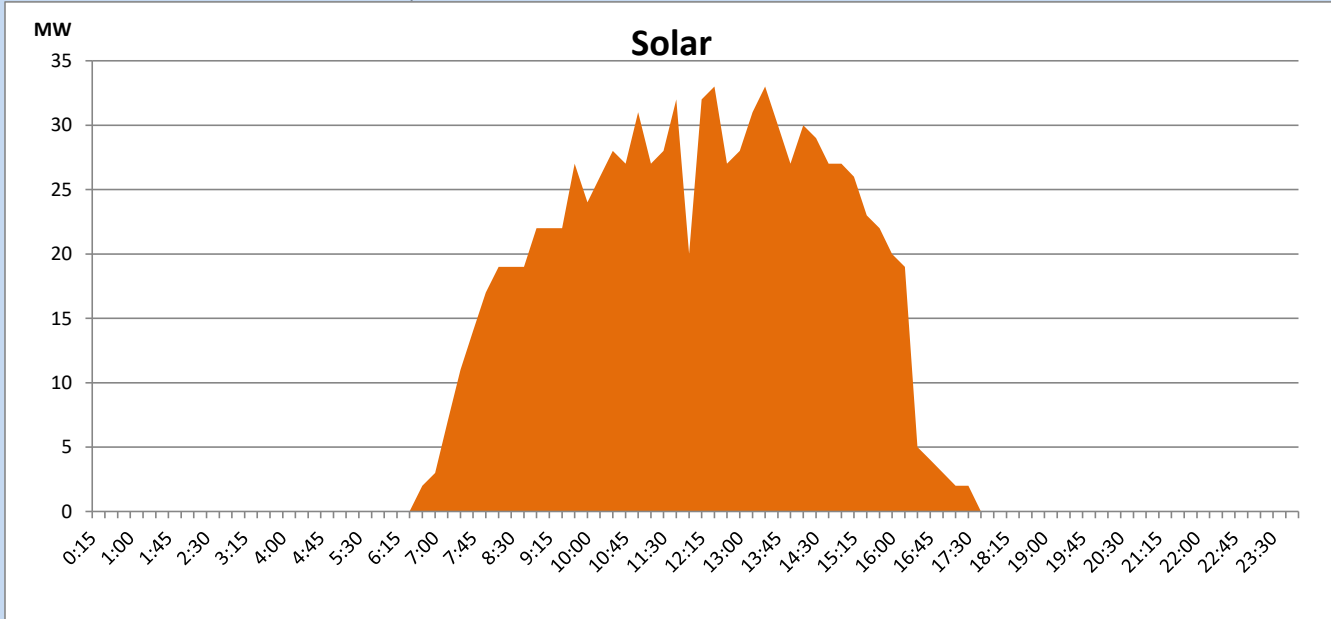
Based on Telemetered Power Stations only



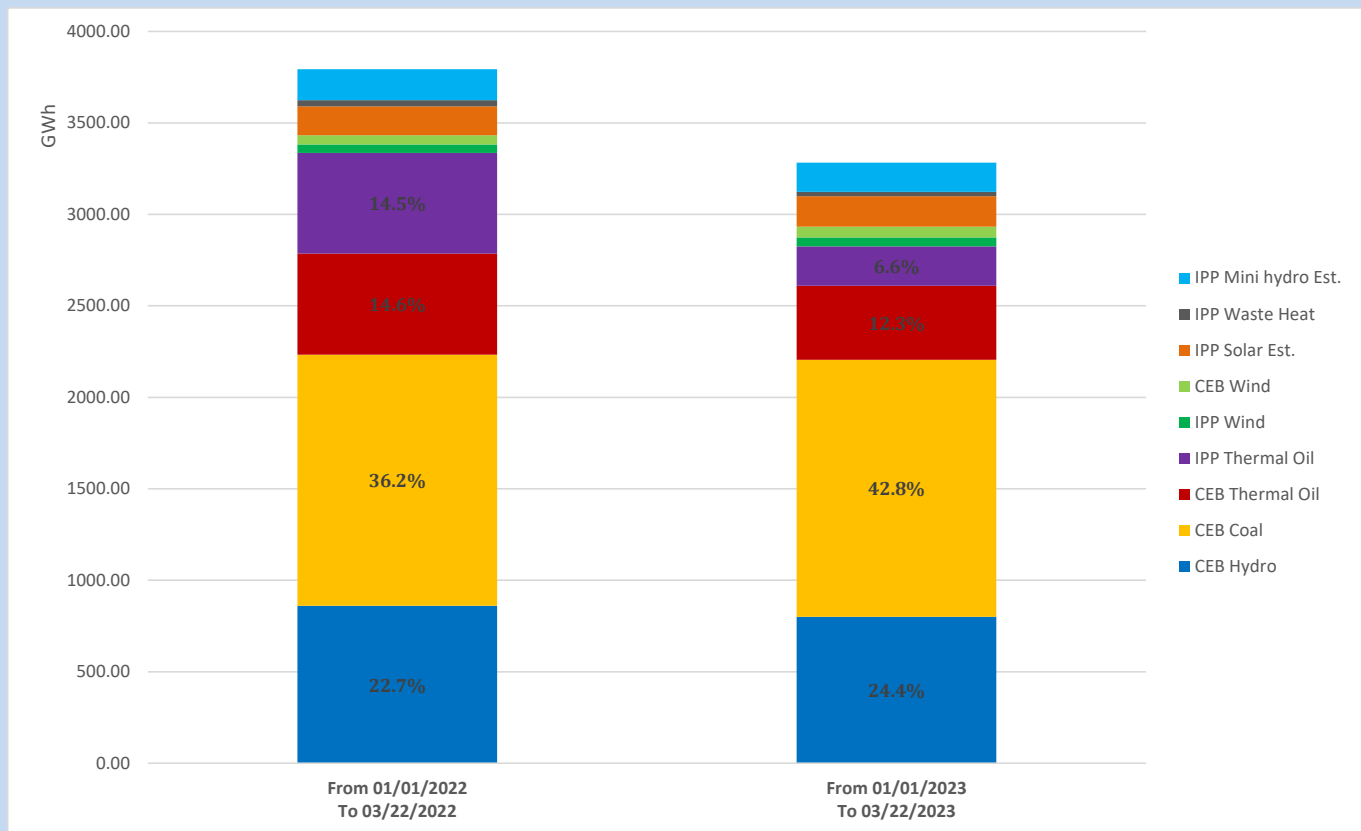
## Solar Generation during

March 22, 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

March 22, 2023

- 1) LVPS Unit 1 de-loaded to 180MW(net) at 15:35hrs due to cooling water pump intake block.
- 2) KPS GT7 tripped at 19:22hrs due to high turbine vibration