

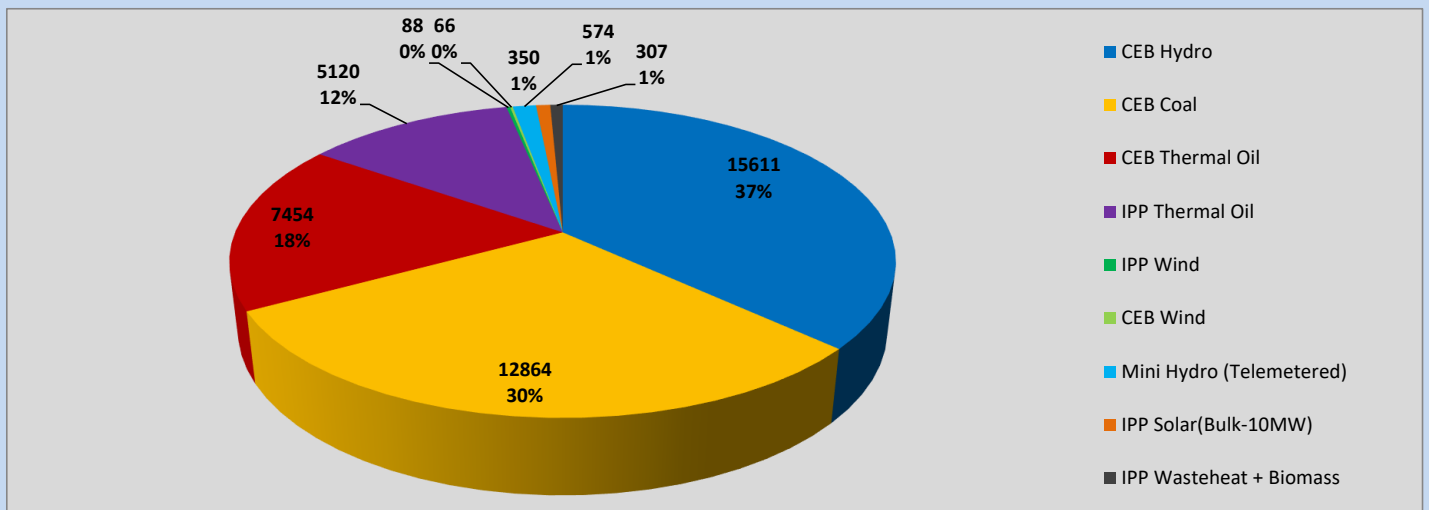
Generation and Reservoirs Statistics

March 27, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =



42,434 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 736 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

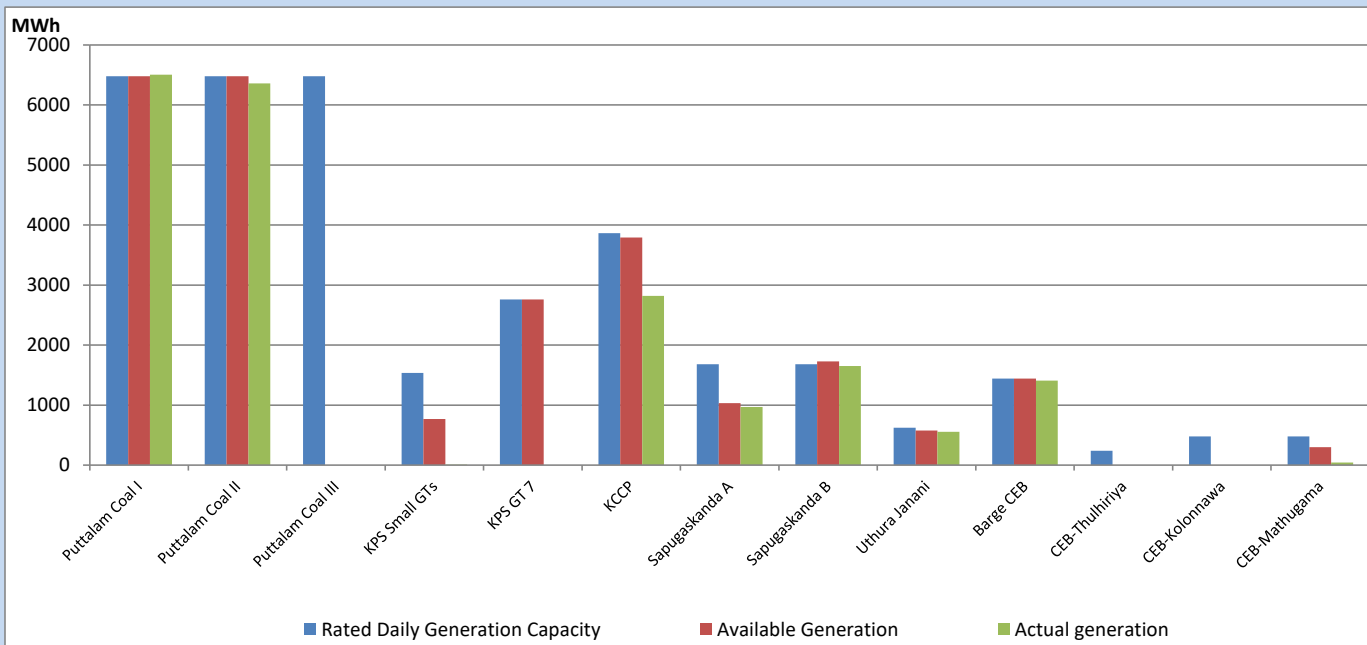
Category	Dispatch (GWh)	Percentage
CEB Hydro	266	24.97%
CEB Coal	463	43.50%
CEB Thermal Oil	160	14.99%
IPP Thermal	113	10.58%
SPP Wind	12	1.14%
CEB Wind	15	1.42%
Mini Hydro (Telemetered)	20	1.92%
IPP Solar(Bulk-10MW)	8	0.71%
IPP Wasteheat + BMP	8	0.75%
Total	1,065	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	867	26.76%
CEB Coal	1,468	45.28%
CEB Thermal Oil	437	13.48%
IPP Thermal	244	7.52%
SPP Wind	50	1.55%
CEB Wind	60	1.84%
Mini Hydro (Telemetered)	66	2.05%
IPP Solar(Bulk-10MW)	24	0.75%
IPP Wasteheat	25	0.77%
Total	3,241	

CEB owned Thermal Plant Dispatch

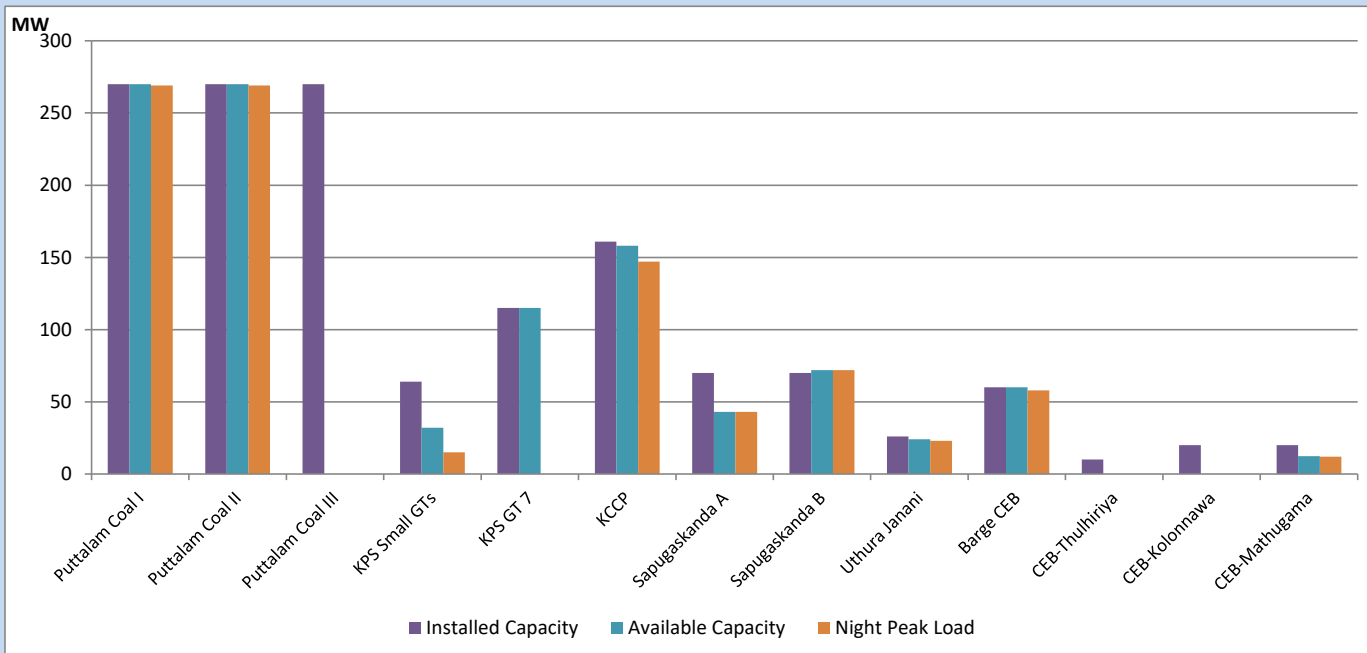
March 27, 2023



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

March 28, 2023

CEB owned Thermal Plant Loading at the Night Peak

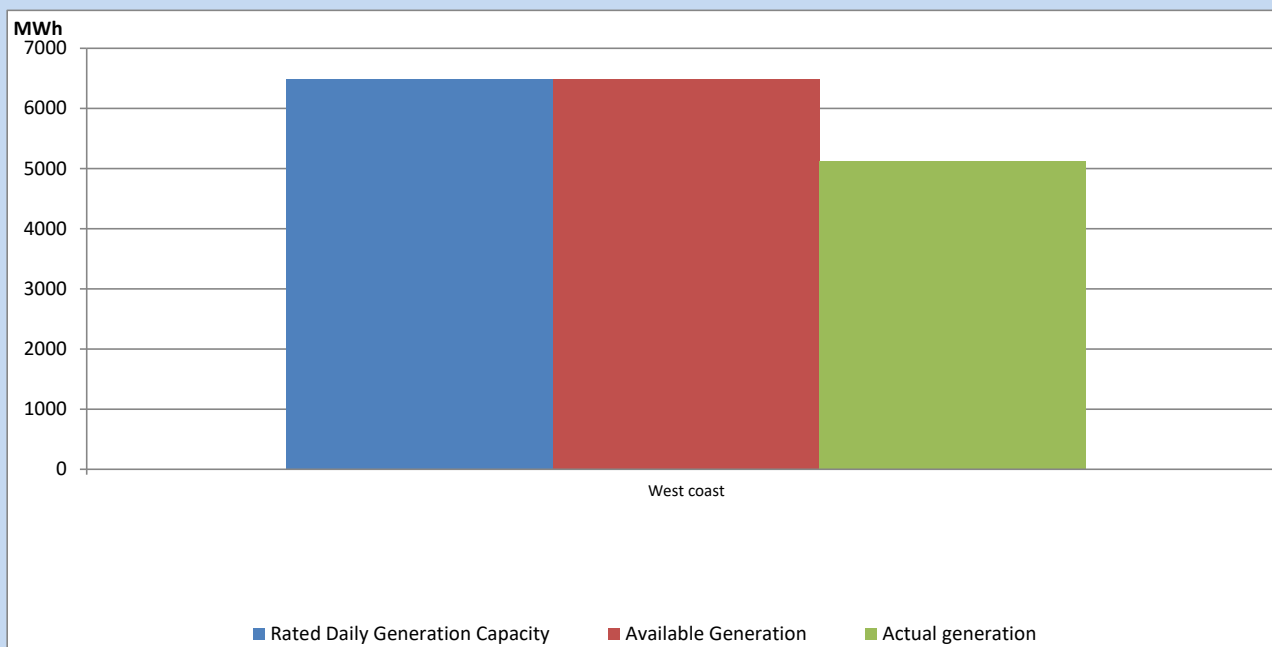


Note- Plant availability is recorded at 6.00 am on

March 28, 2023

IPP owned Thermal Plant Dispatch

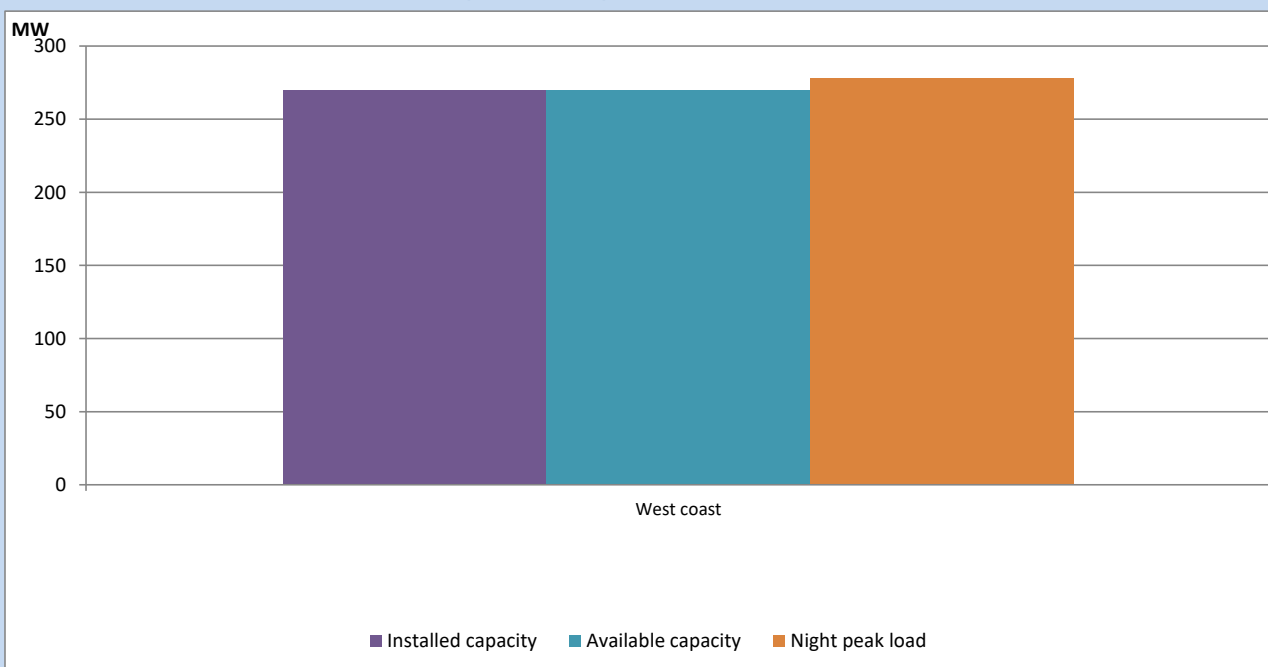
March 27, 2023



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

March 28, 2023

IPP owned Thermal Plant Loading at the Night Peak

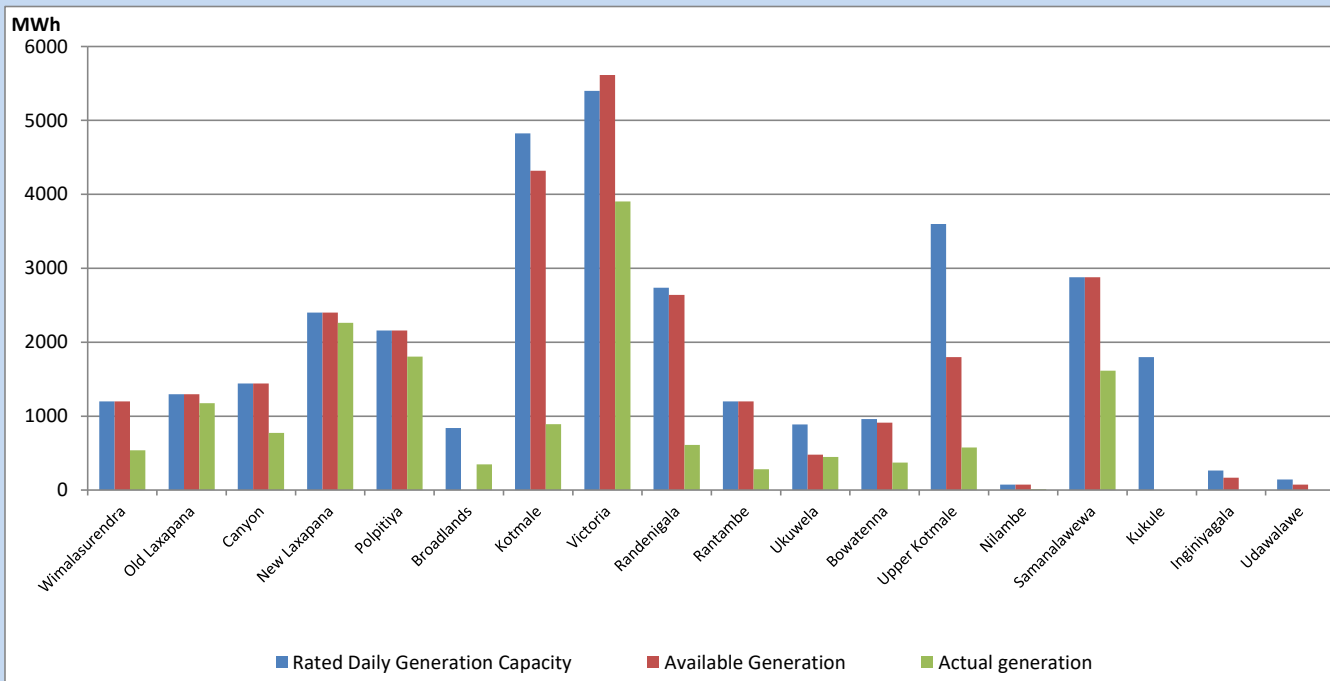


Note- Plant availability is recorded at 6.00 am on

March 28, 2023

Major Hydro Plant Dispatch

March 27, 2023

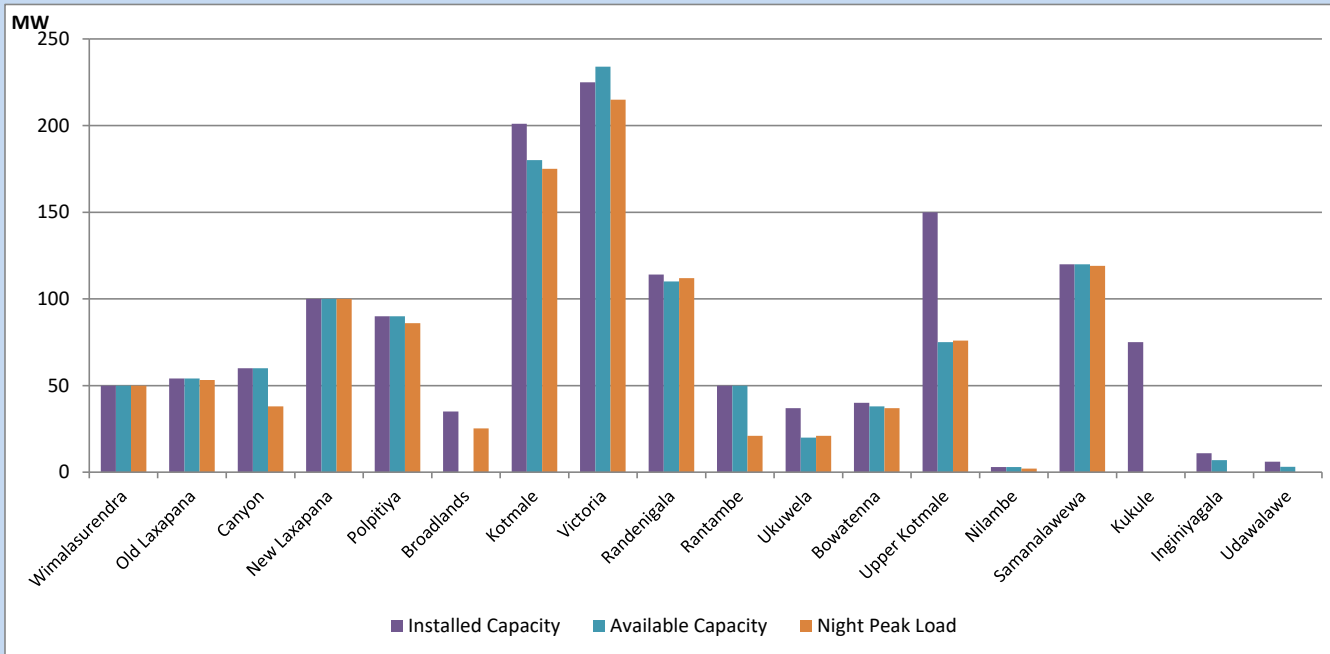


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

March 28, 2023

Major Hydro Plant Loading at Night Peak

March 27, 2023



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

March 28, 2023

Summary of Major Plant performance

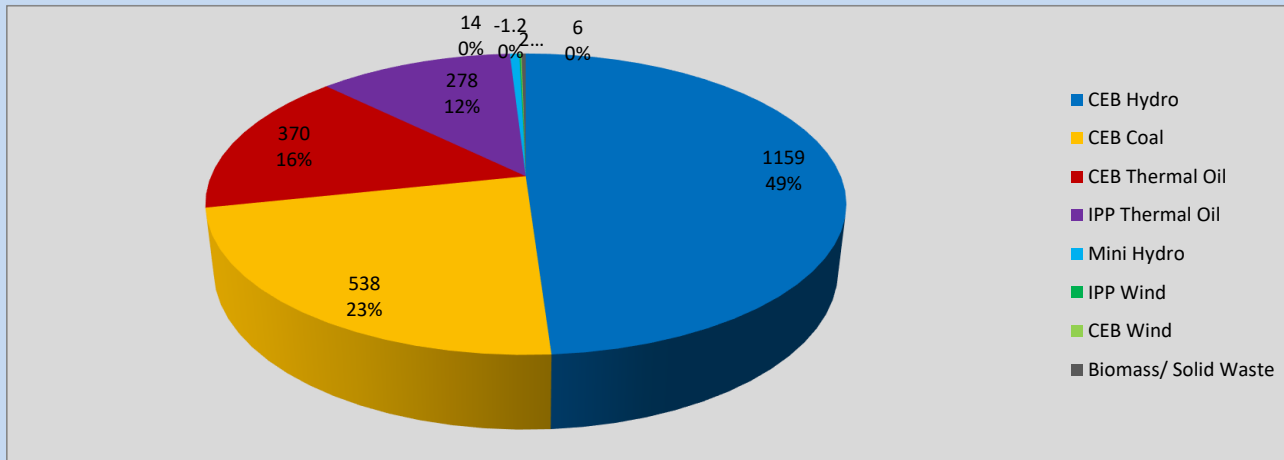
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	538
Old Laxapana	54	54	53	1,176
Canyon	60	60	38	773
New Laxapana	100	100	100	2,264
Polpitiya	90	90	86	1,804
Broadlands	35	0	25	346
Kotmale	201	180	175	890
Victoria	225	234	215	3,905
Randenigala	114	110	112	609
Rantambe	50	50	21	283
Ukuwela	37	20	21	449
Bowatenna	40	38	37	372
Upper Kotmale	150	75	76	576
Nilambe	3	3	2	10
Samanalawewa	120	120	119	1,616
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	269	6,505
Puttalam Coal II	270	270	269	6,359
Puttalam Coal III	270	0	0	0
KPS Small GTs	64	32	15	11
KPS GT 7	115	115	0	0
KCCP	161	158	147	2,818
Sapugaskanda A	70	43	43	967
Sapugaskanda B	70	72	72	1,652
Uthura Janani	26	24	23	556
Barge CEB	60	60	58	1,406
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	12	12	44
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	278	5,120
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,521	2,337	42,434

Plant availability is the availability recorded at 6 am on

March 28, 2023

Contribution to the Night Peak in MW

March 27, 2023

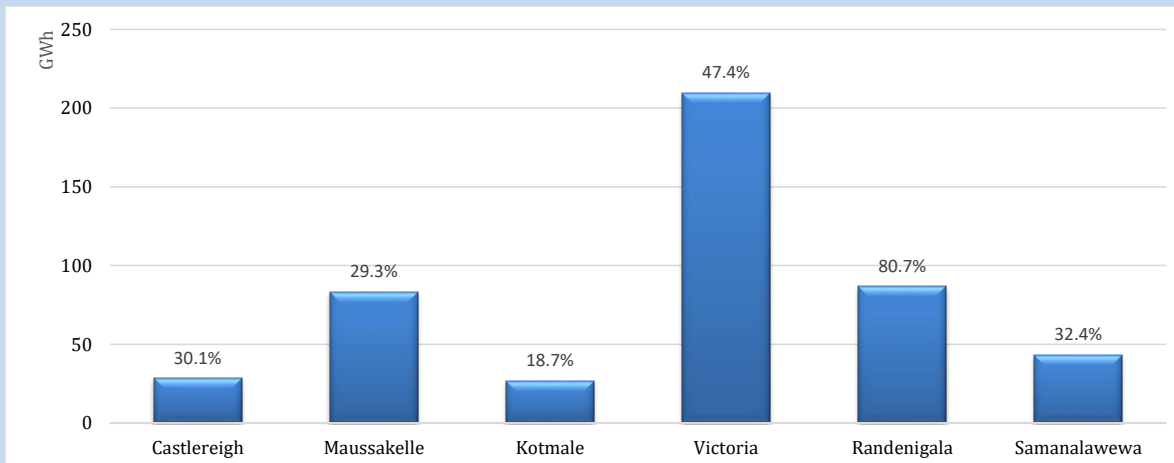


Night Peak*	2,365 MW
Day Peak	2,028 MW
Minimum Demand	1,196 MW

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

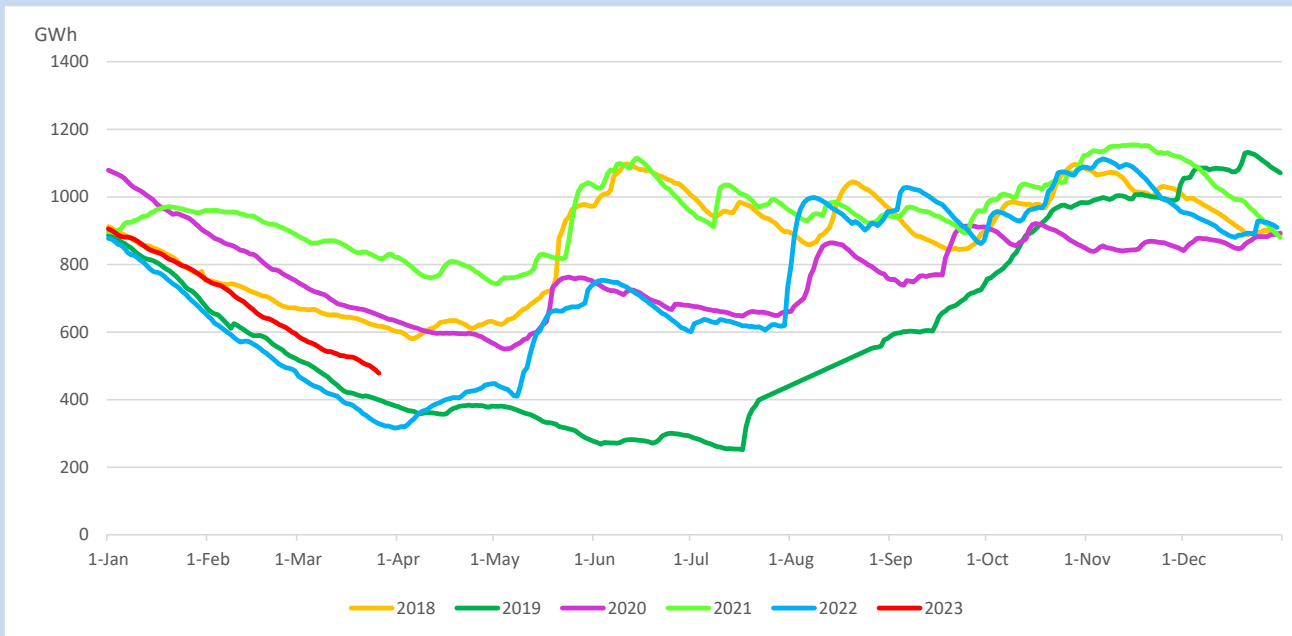
Reservoir Levels -

as at 06.00 Hr on March 28, 2023

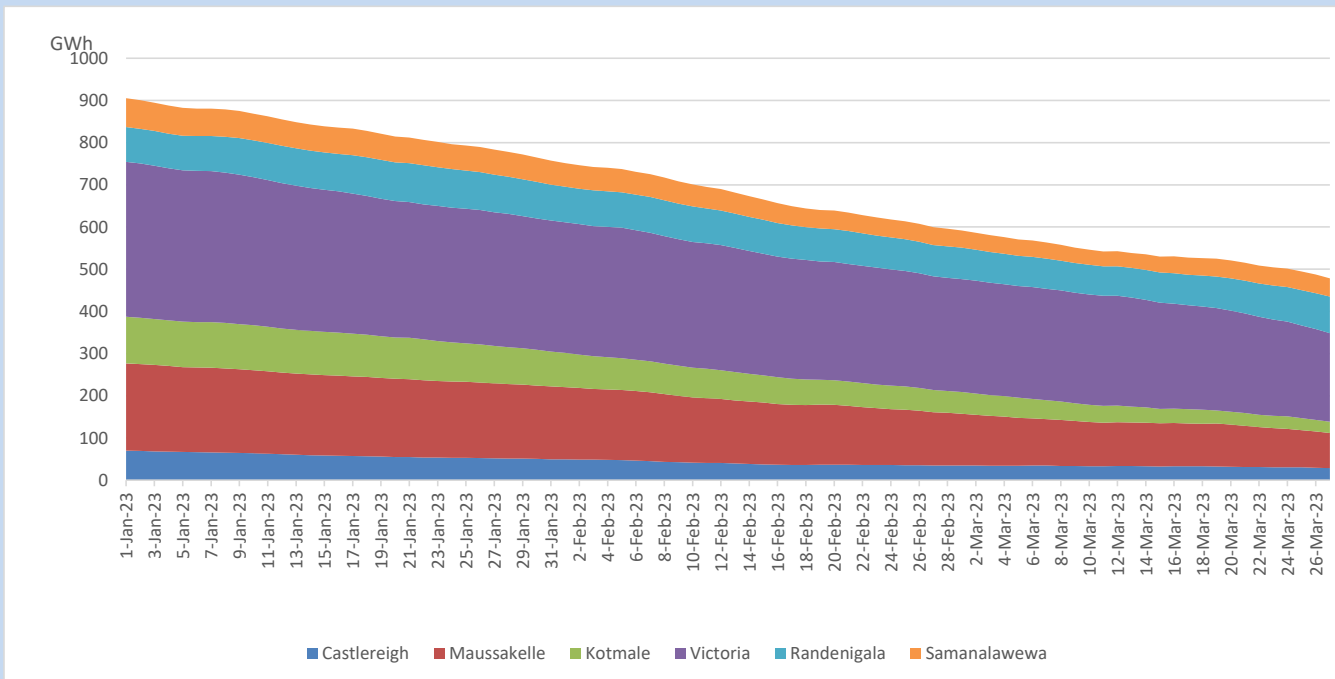


Total Reservoir Level	478.2 GWh
% of Total capacity	39.7%

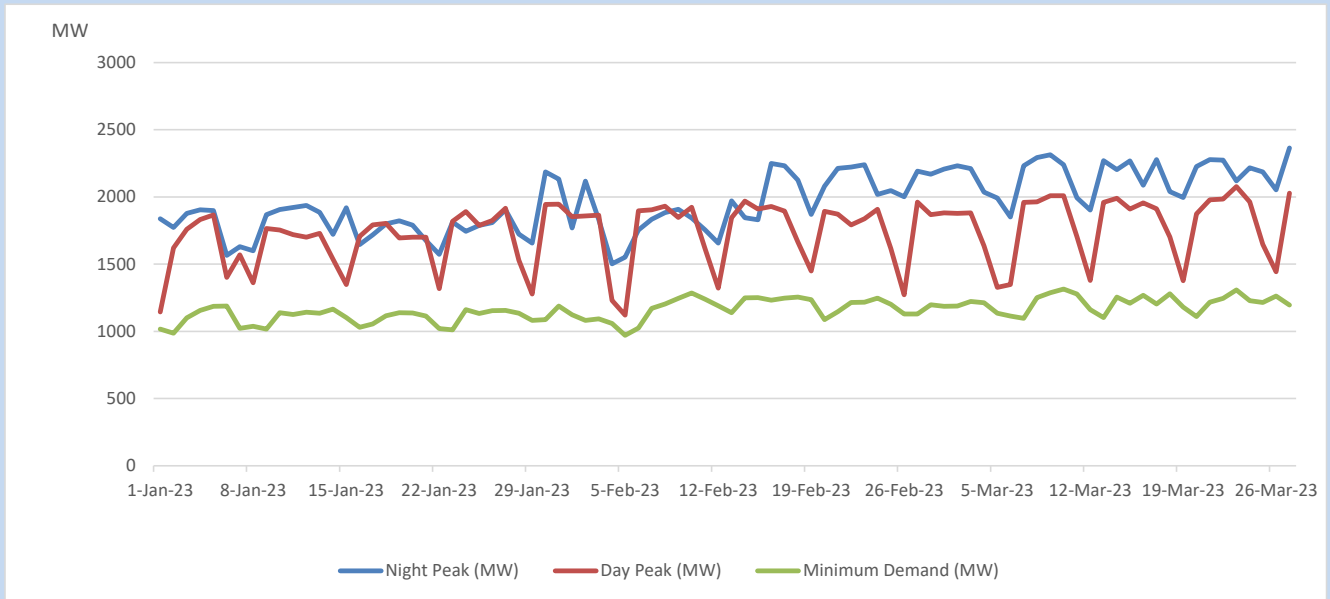
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

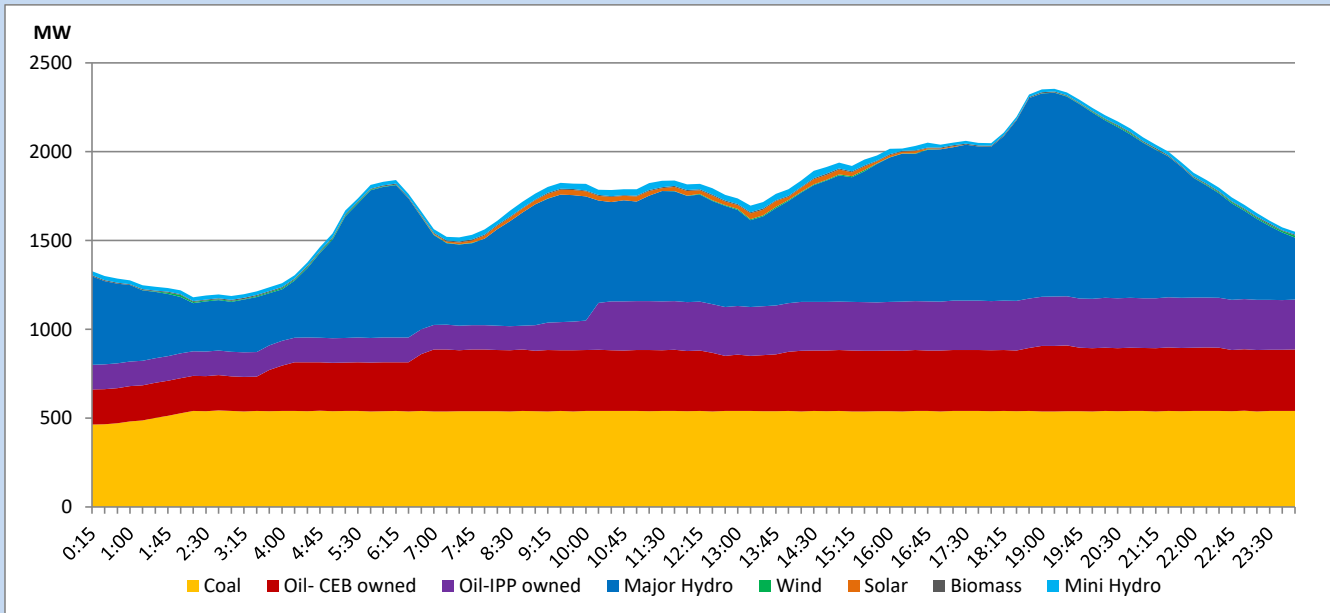


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

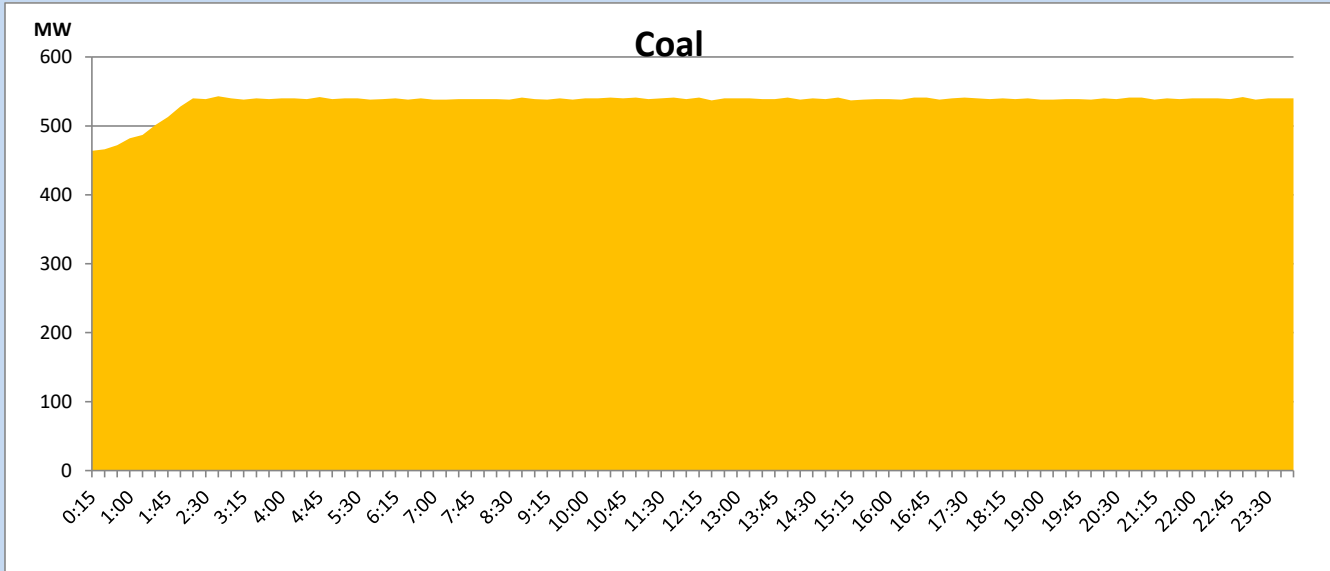
March 27, 2023

Solar and wind data is based on Telemetered Power Stations only



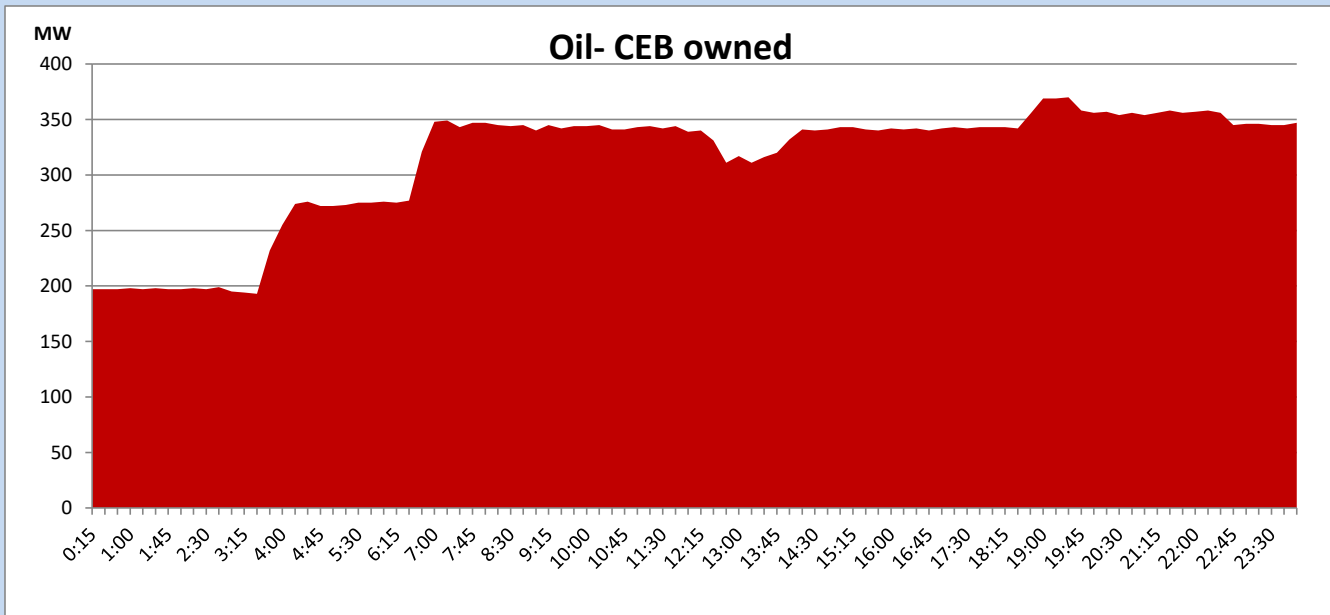
Coal Generation during

March 27, 2023



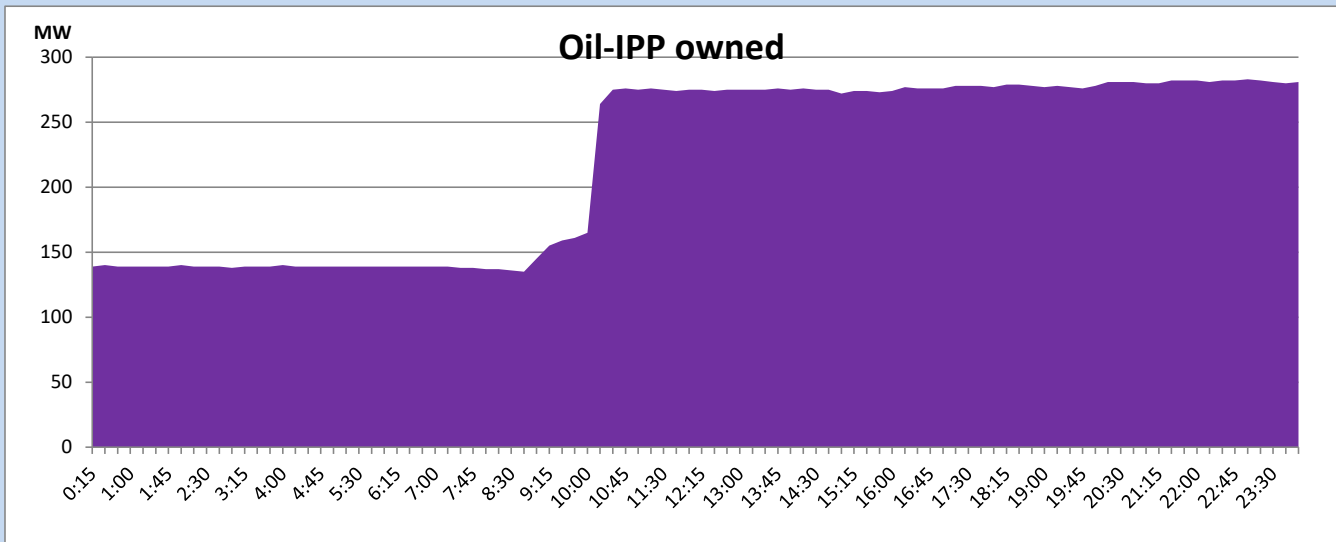
CEB Oil Plant Generation during

March 27, 2023



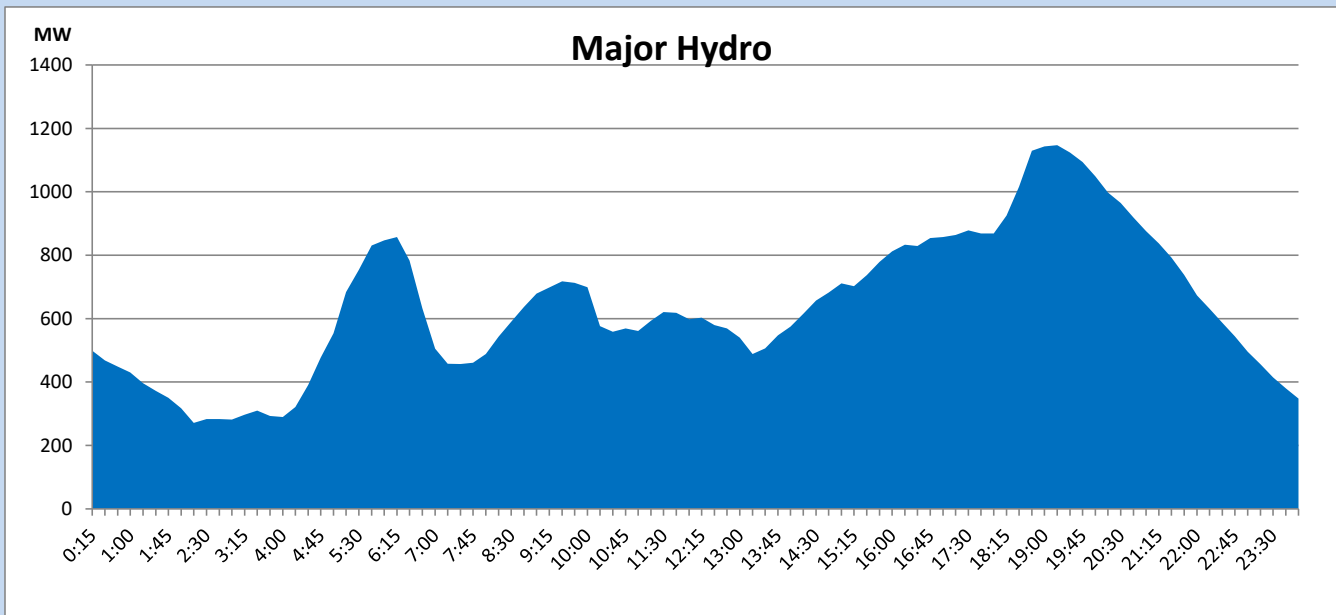
IPP Oil Plant Generation during

March 27, 2023



Major Hydro Generation during

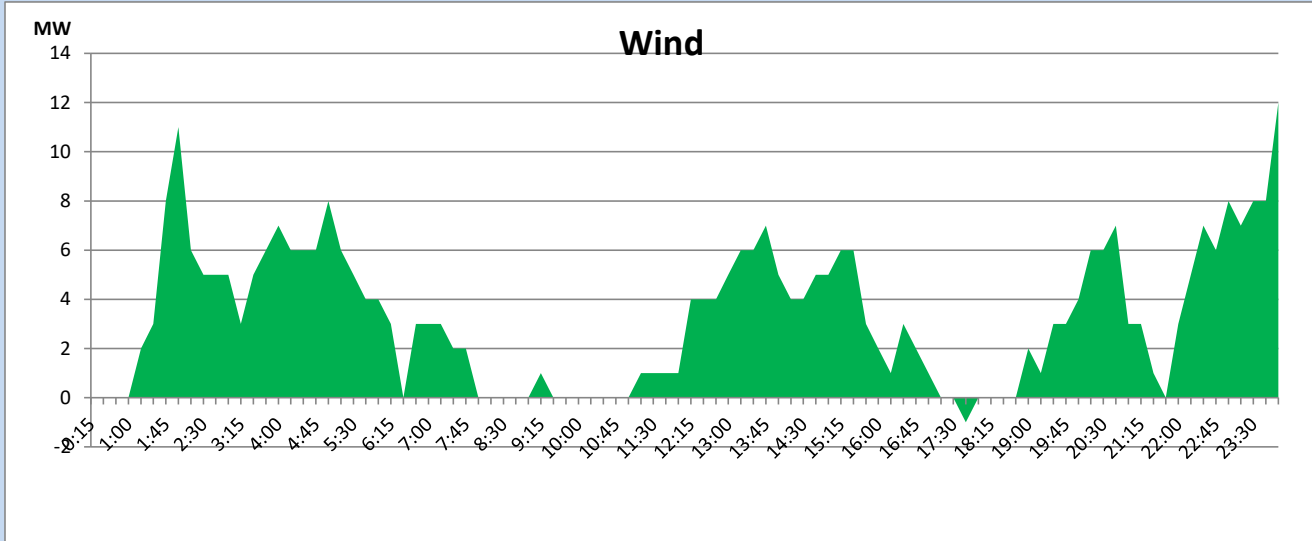
March 27, 2023



Wind Generation during

March 27, 2023

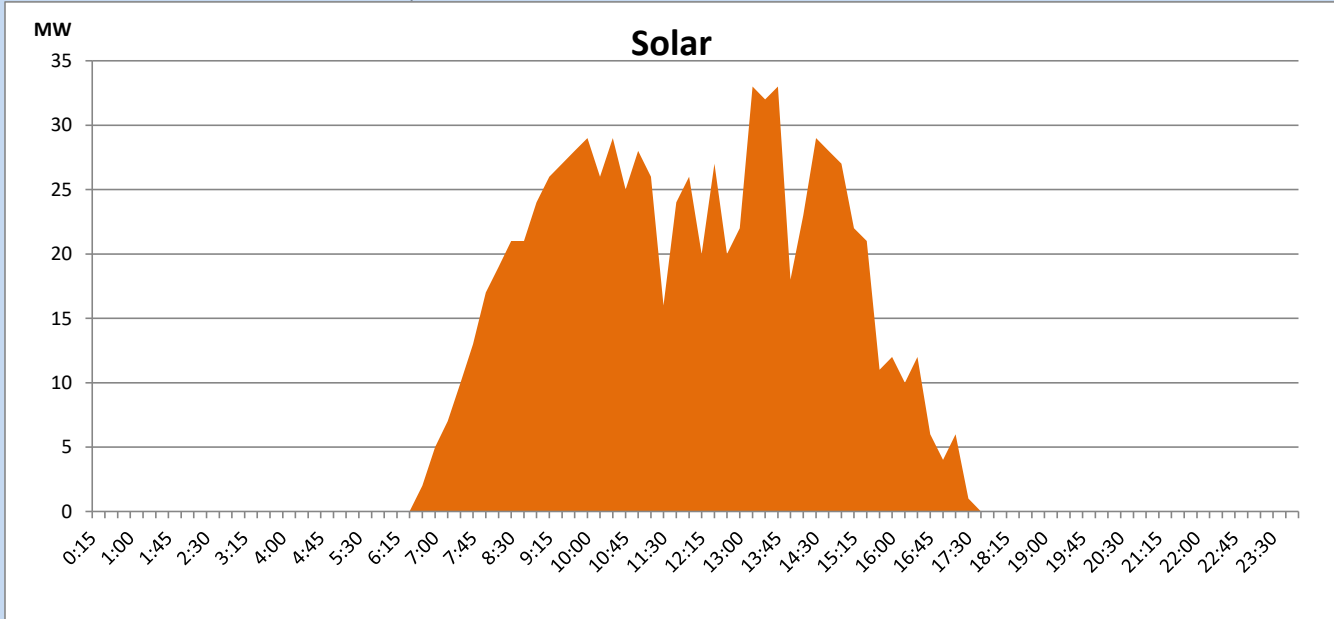
Based on Telemetered Power Stations only



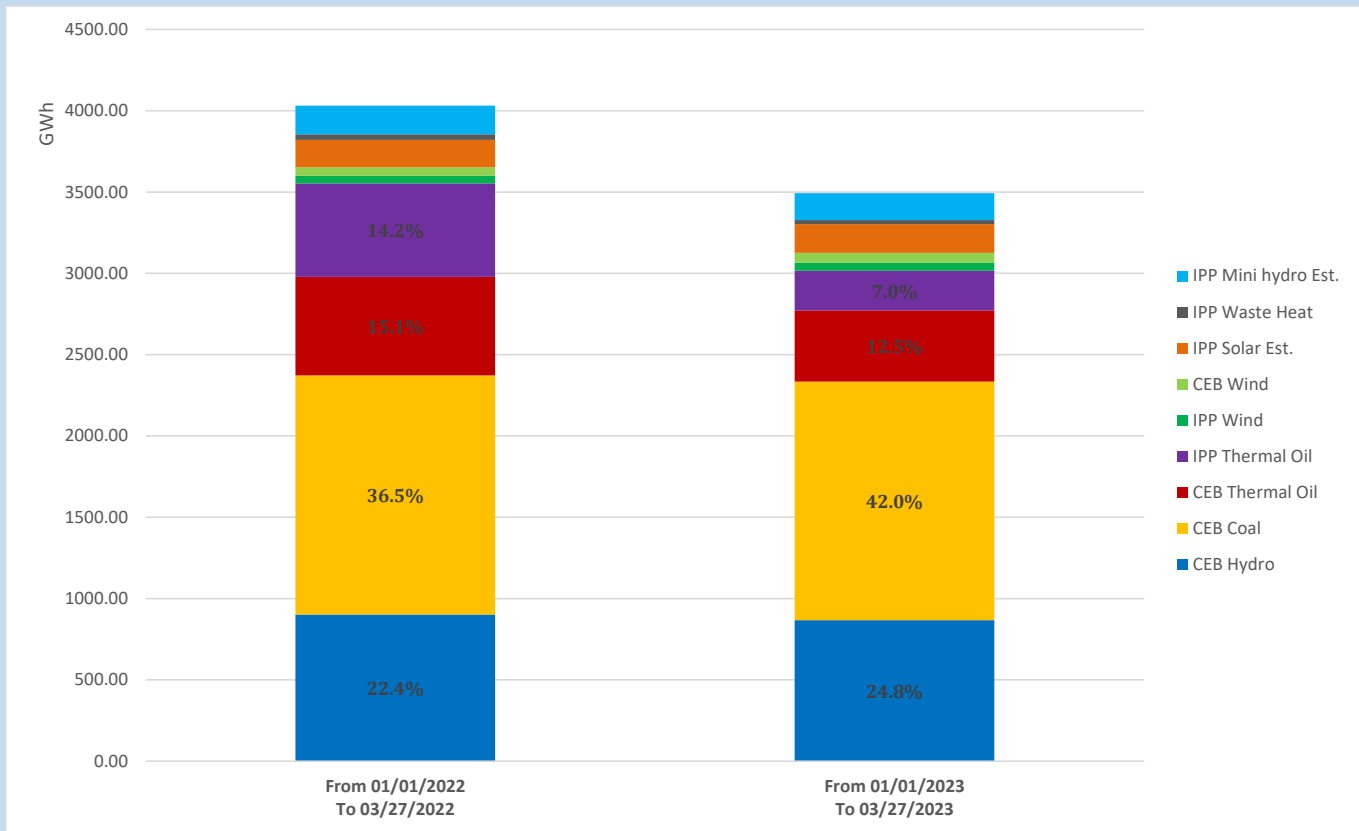
Solar Generation during

March 27, 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 27, 2023

1) Habarana - Ukuwela 132kV cct tripped from both ends and Habarana - Naula cct tripped from Naula end at 13:02hrs due to the operation of Distance protection, causing Ragala, Naula, Pallekele GSSs and Ukuwela T/Fs to be dead. Ragala, Pallekelle, Naula and Ukuwela T/Fs energized at 13:19hrs via Ukuwela 132kV B/C. Naula - Habarana cct restored at 13:36hrs and Ukuwela - Habarana cct restored at 14:04hrs.

2) WCP GT 02 made unavailable from 4:00hrs to 9:00hrs.