

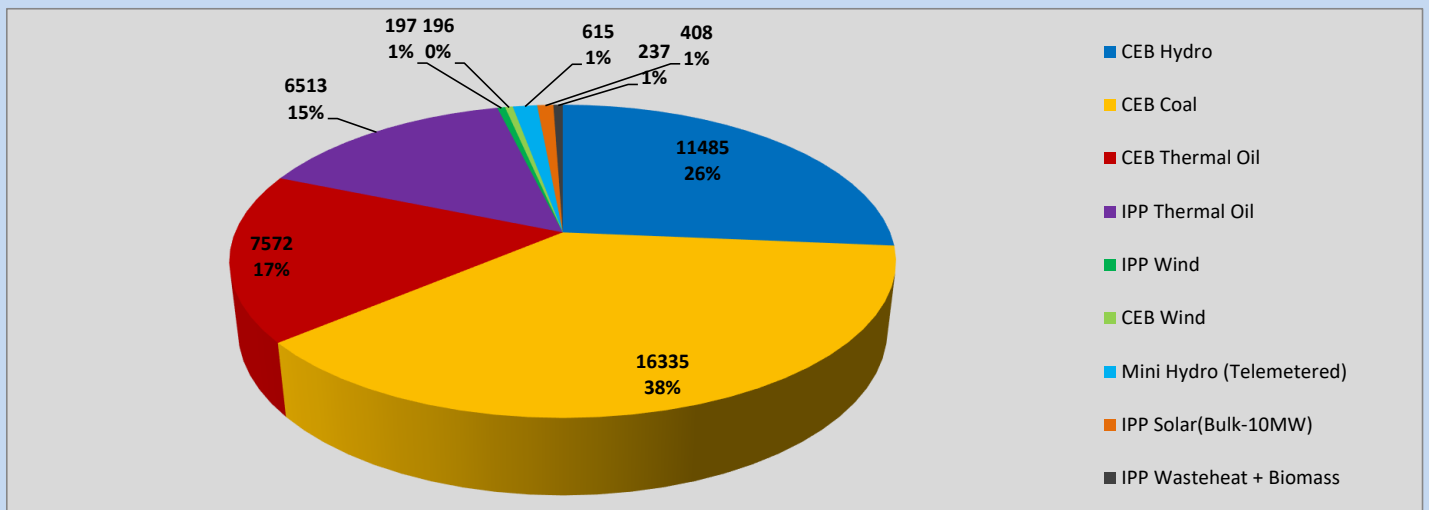
Generation and Reservoirs Statistics

March 31, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =



43,558 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 695 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

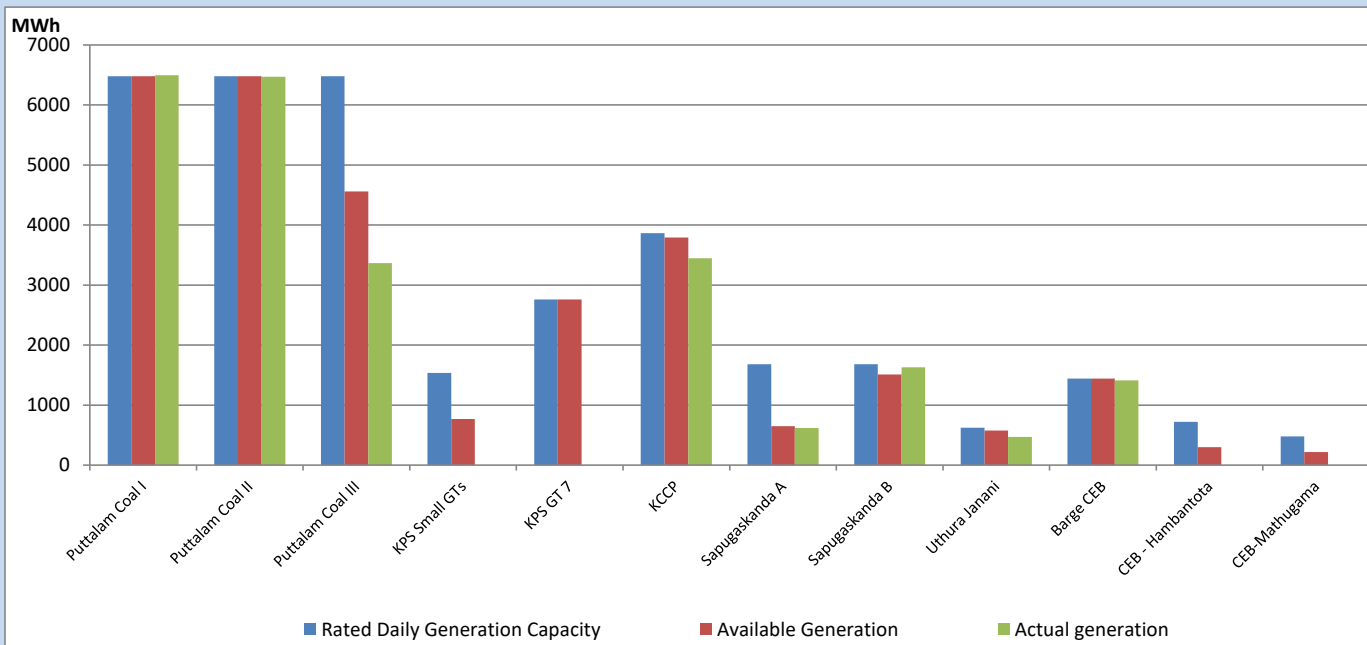
Category	Dispatch (GWh)	Percentage
CEB Hydro	320	25.79%
CEB Coal	518	41.80%
CEB Thermal Oil	193	15.56%
IPP Thermal	139	11.21%
SPP Wind	13	1.03%
CEB Wind	16	1.28%
Mini Hydro (Telemetered)	23	1.84%
IPP Solar (Bulk-10MW)	9	0.73%
IPP Wasteheat + BMP	9	0.74%
Total	1,240	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	921	26.97%
CEB Coal	1,523	44.57%
CEB Thermal Oil	470	13.76%
IPP Thermal	270	7.91%
SPP Wind	51	1.49%
CEB Wind	60	1.76%
Mini Hydro (Telemetered)	69	2.02%
IPP Solar (Bulk-10MW)	26	0.75%
IPP Wasteheat	26	0.77%
Total	3,416	

CEB owned Thermal Plant Dispatch

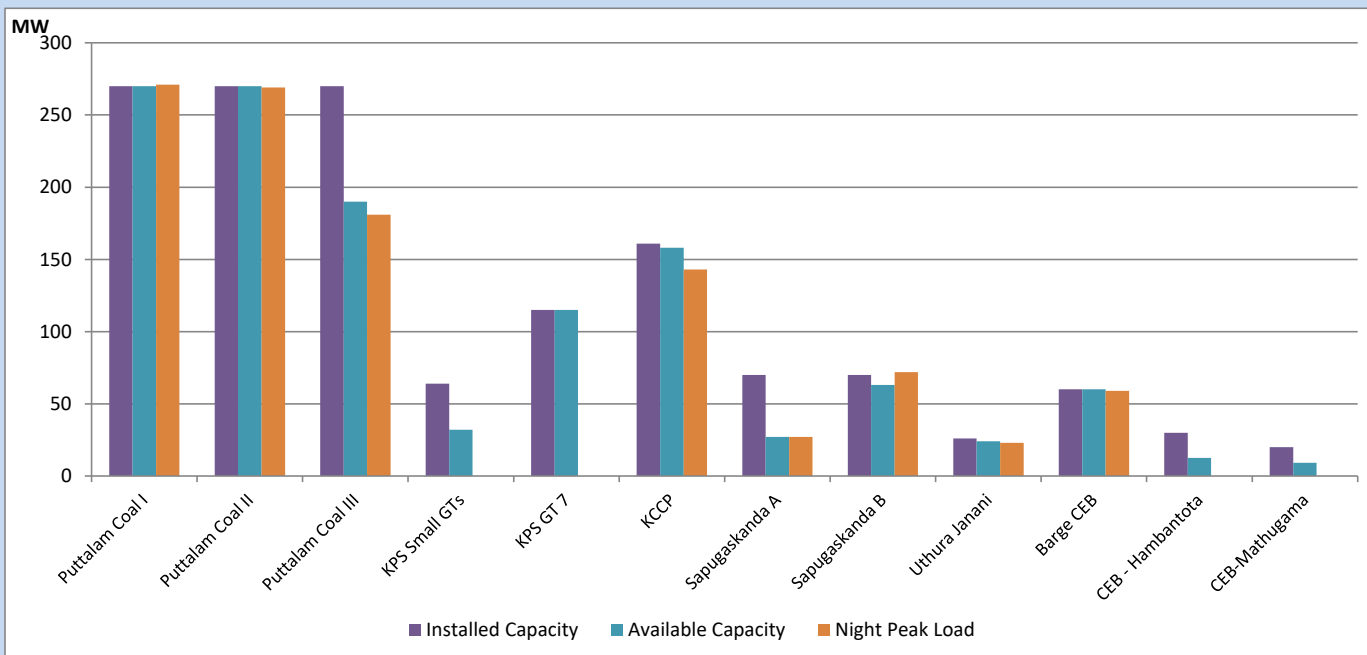
March 31, 2023



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

April 1, 2023

CEB owned Thermal Plant Loading at the Night Peak

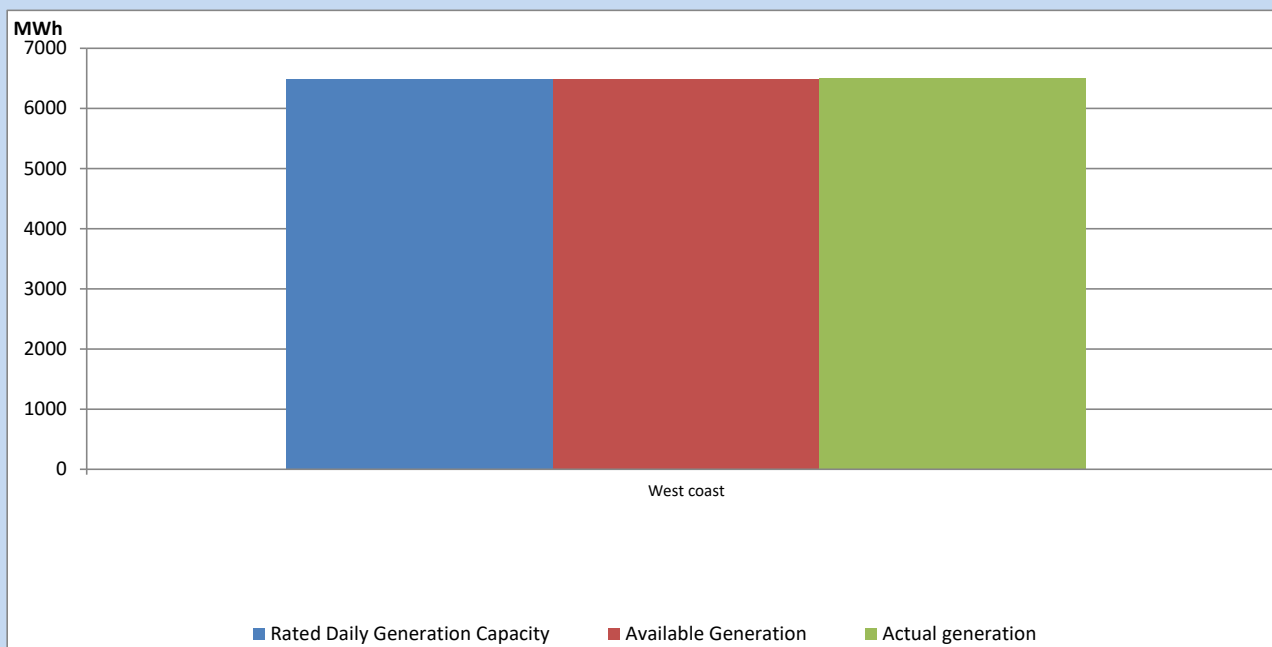


Note- Plant availability is recorded at 6.00 am on

April 1, 2023

IPP owned Thermal Plant Dispatch

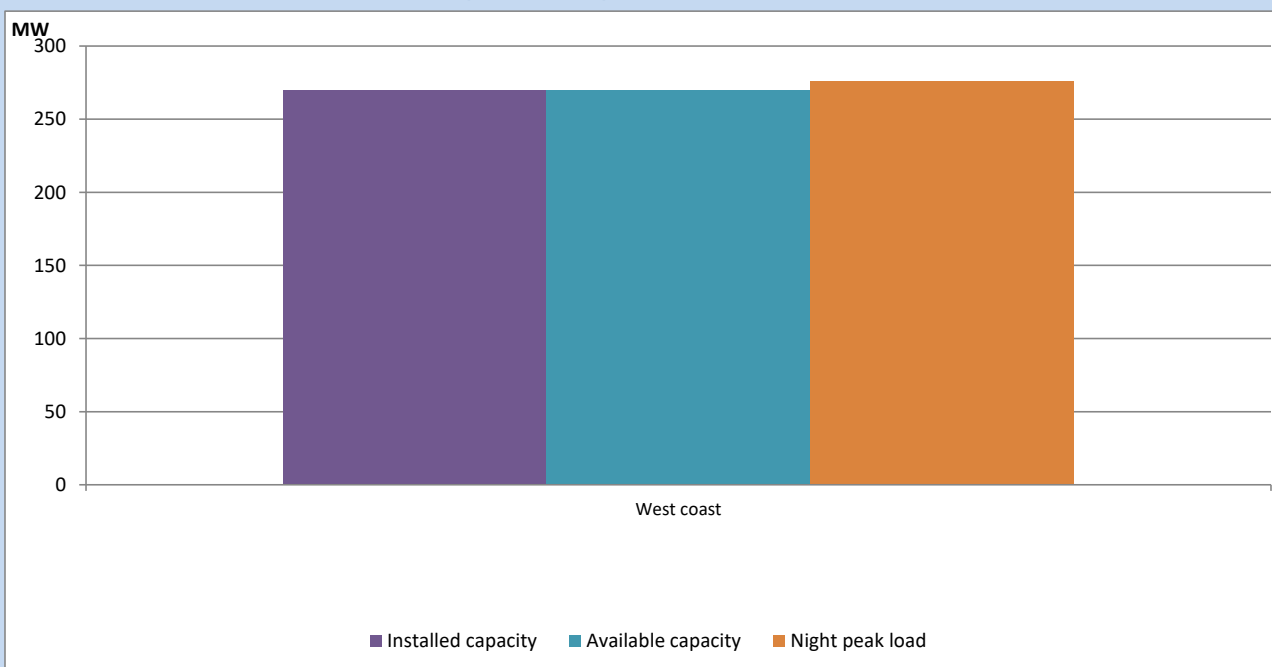
March 31, 2023



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

April 1, 2023

IPP owned Thermal Plant Loading at the Night Peak

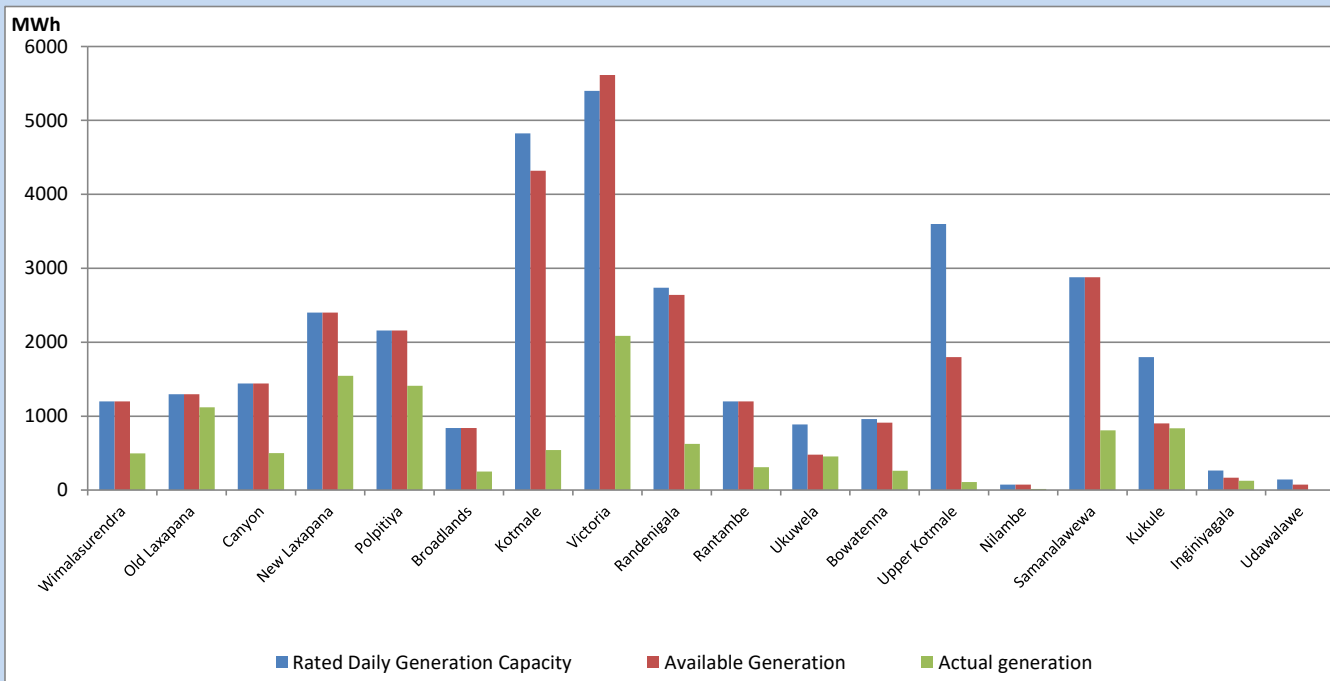


Note- Plant availability is recorded at 6.00 am on

April 1, 2023

Major Hydro Plant Dispatch

March 31, 2023

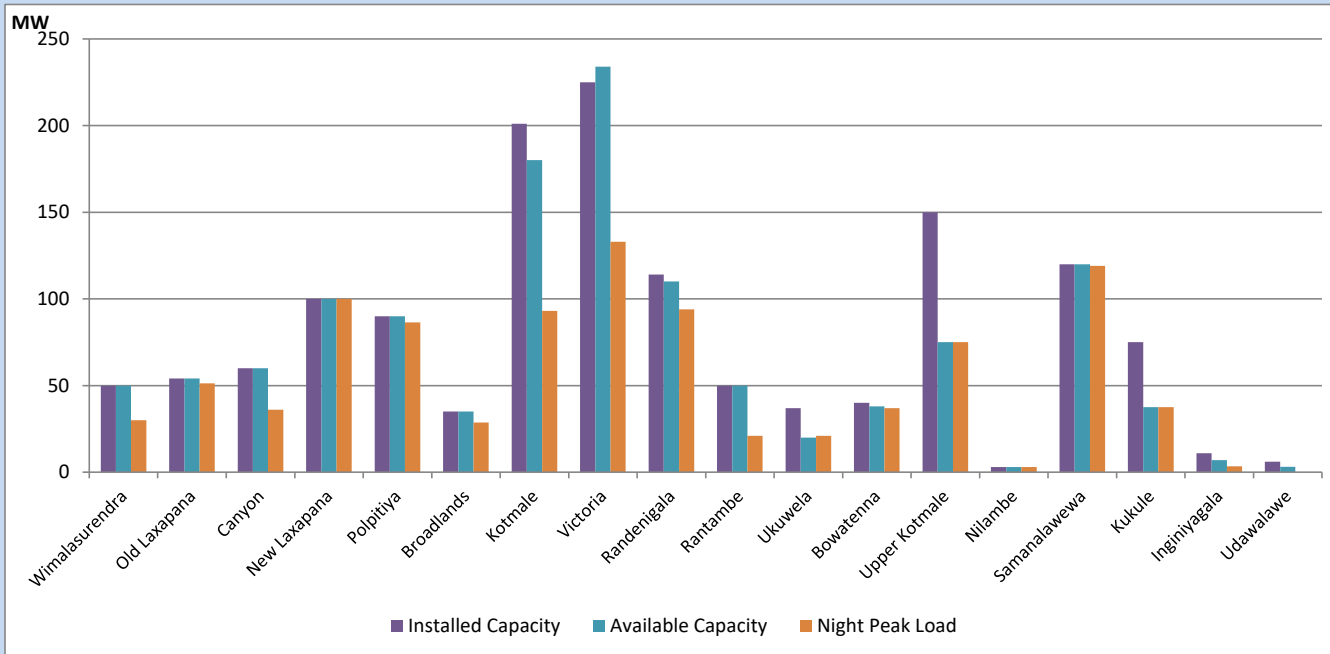


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

April 1, 2023

Major Hydro Plant Loading at Night Peak

March 31, 2023



Note- Plant availability is recorded at 6.00 am on

April 1, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

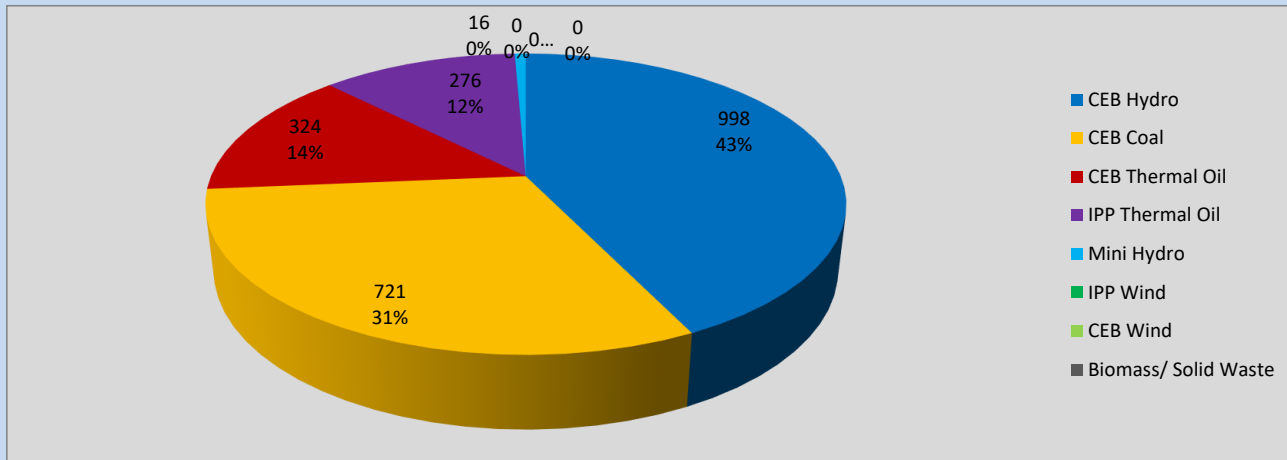
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	30	495
Old Laxapana	54	54	51	1,120
Canyon	60	60	36	498
New Laxapana	100	100	100	1,546
Polpitiya	90	90	86	1,412
Broadlands	35	35	29	249
Kotmale	201	180	93	540
Victoria	225	234	133	2,086
Randenigala	114	110	94	623
Rantambe	50	50	21	309
Ukuwela	37	20	21	453
Bowatenna	40	38	37	262
Upper Kotmale	150	75	75	110
Nilambe	3	3	3	15
Samanalawewa	120	120	119	809
Kukule	75	38	38	834
Inginiyagala	11	7	3	124
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	271	6,498
Puttalam Coal II	270	270	269	6,470
Puttalam Coal III	270	190	181	3,367
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	143	3,447
Sapugaskanda A	70	27	27	617
Sapugaskanda B	70	63	72	1,628
Uthura Janani	26	24	23	469
Barge CEB	60	60	59	1,411
CEB-Hambantota	30	13	0	0
CEB-Mathugama	20	9	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	276	6,513
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,767	2,306	43,558

Plant availability is the availability recorded at 6 am on

April 1, 2023

Contribution to the Night Peak in MW

March 31, 2023

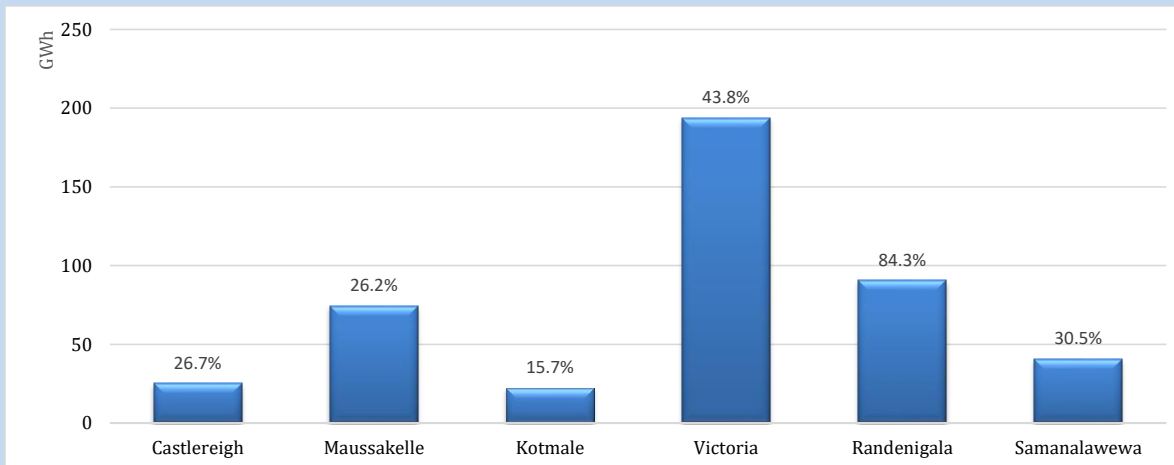


Night Peak*	2,335 MW
Day Peak	2,026 MW
Minimum Demand	1,294 MW

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

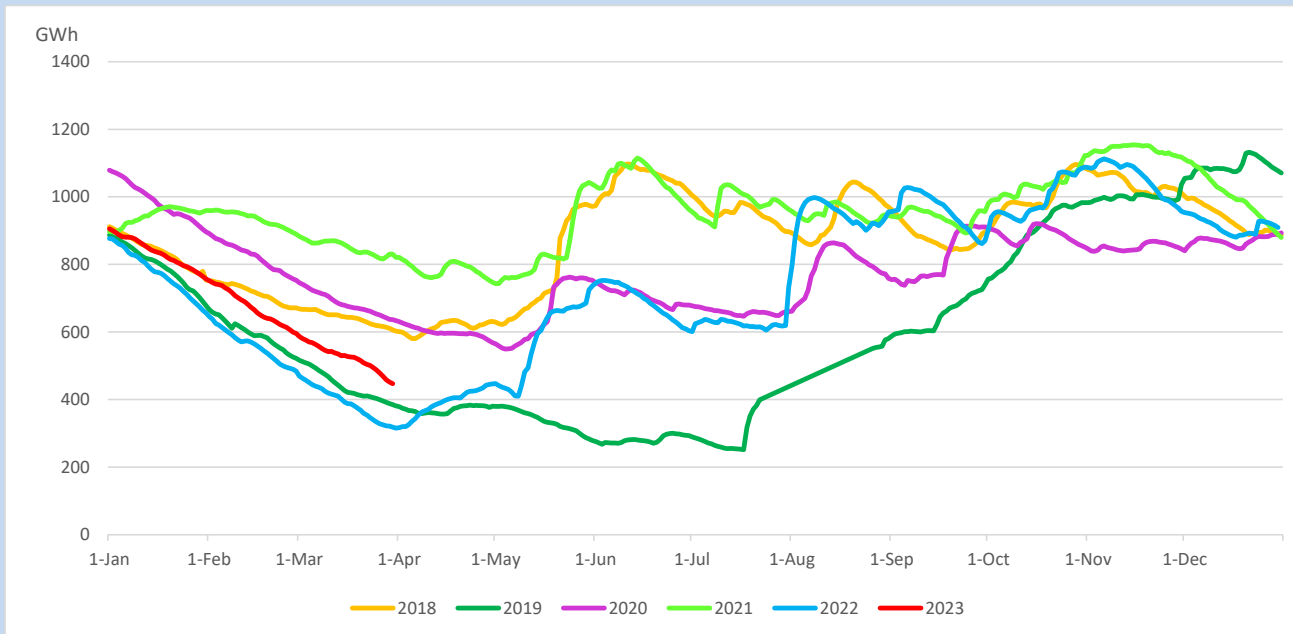
Reservoir Levels -

as at 06.00 Hr on April 1, 2023

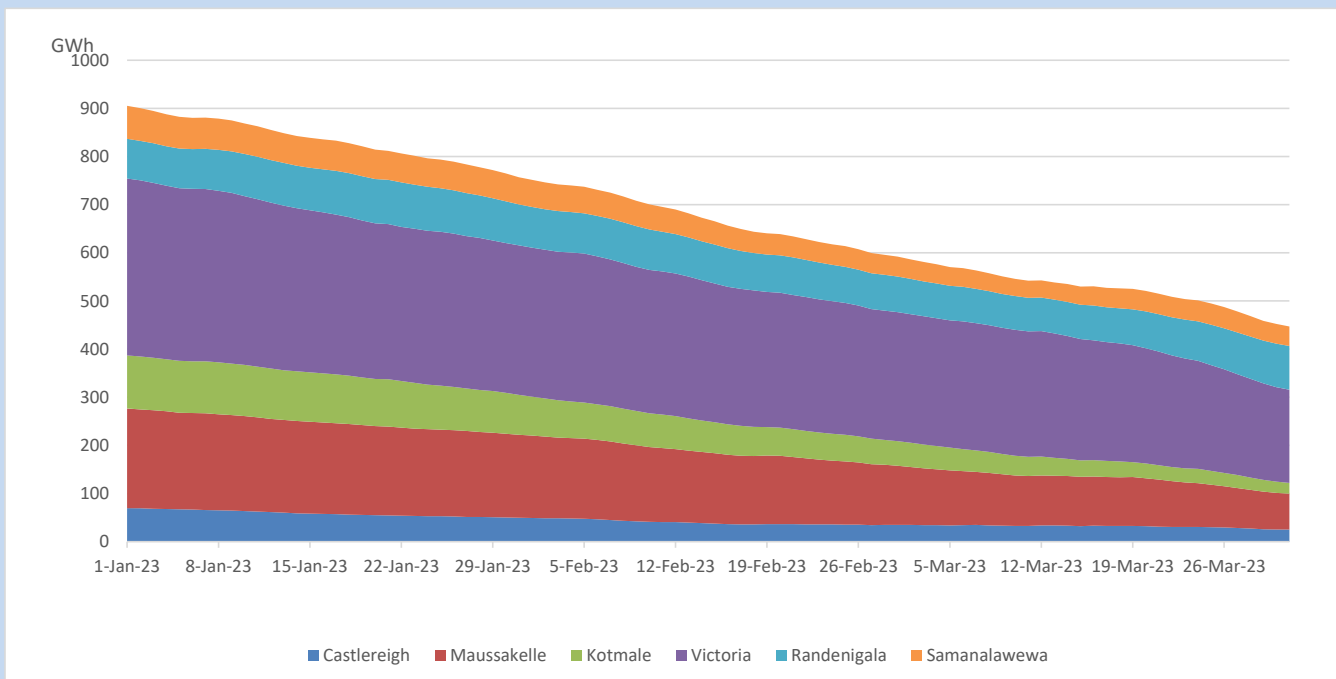


Total Reservoir Level	447.1 GWh
% of Total capacity	37.1%

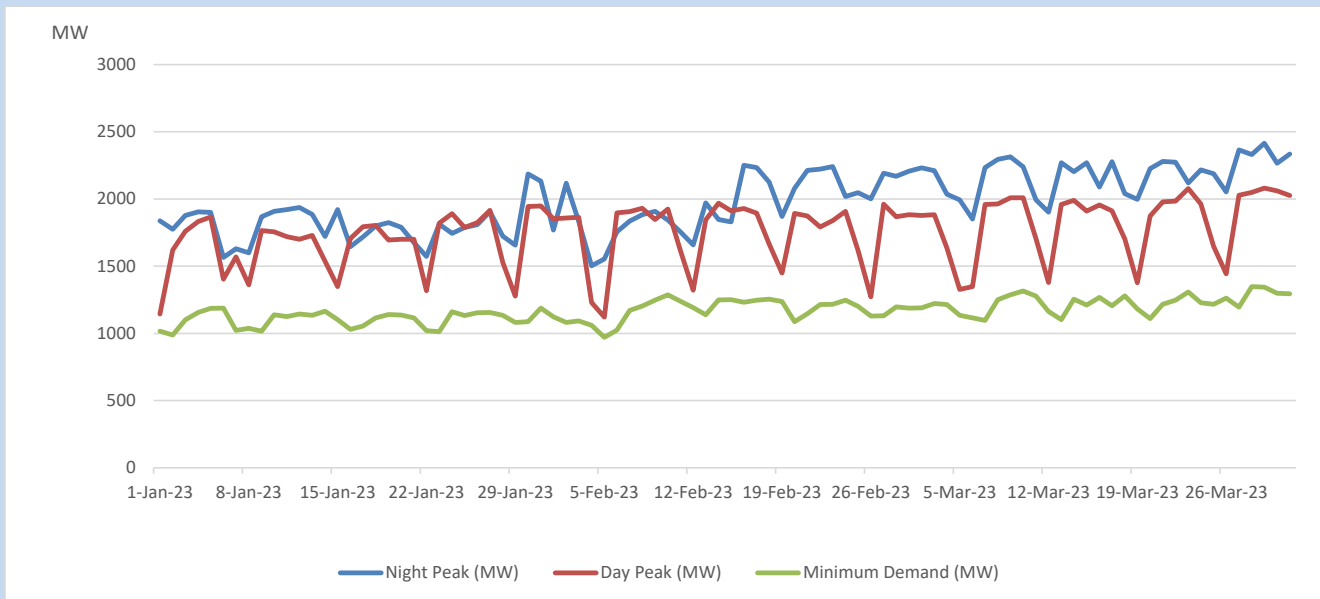
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

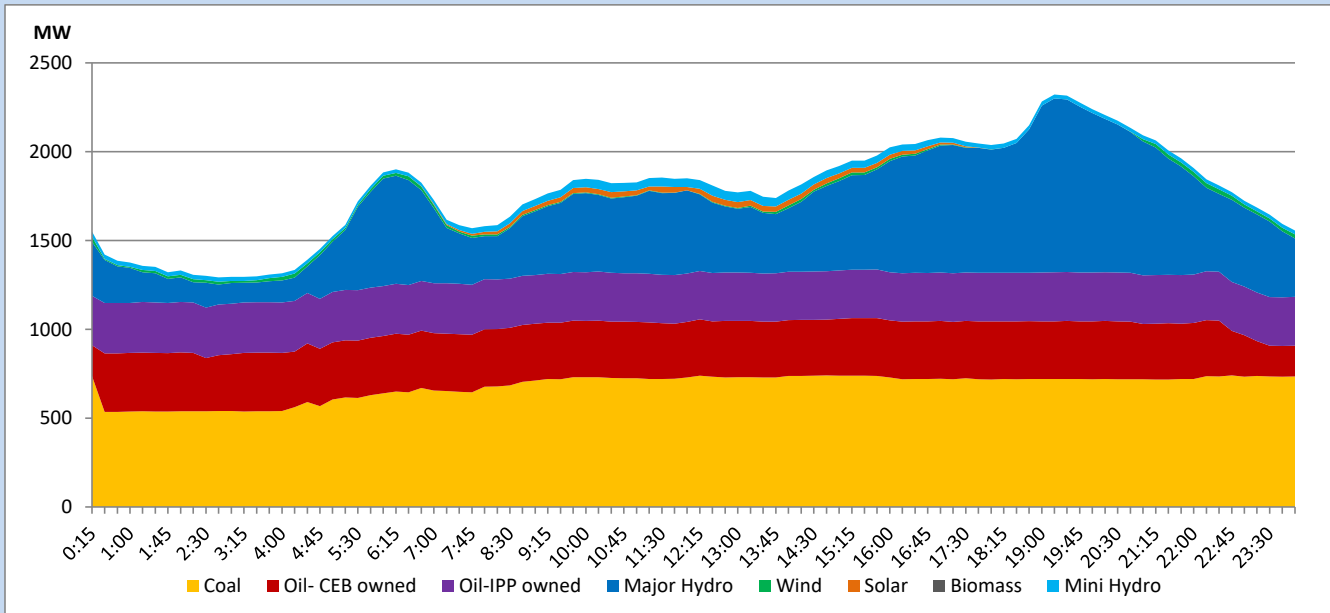


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

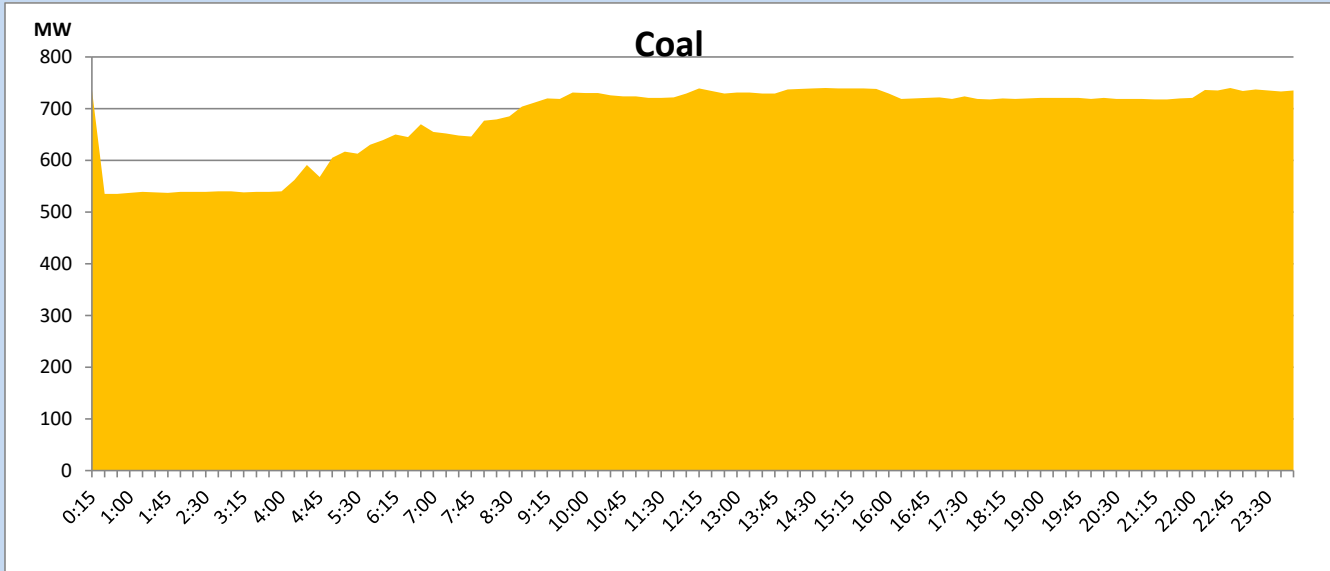
March 31, 2023

Solar and wind data is based on Telemetered Power Stations only



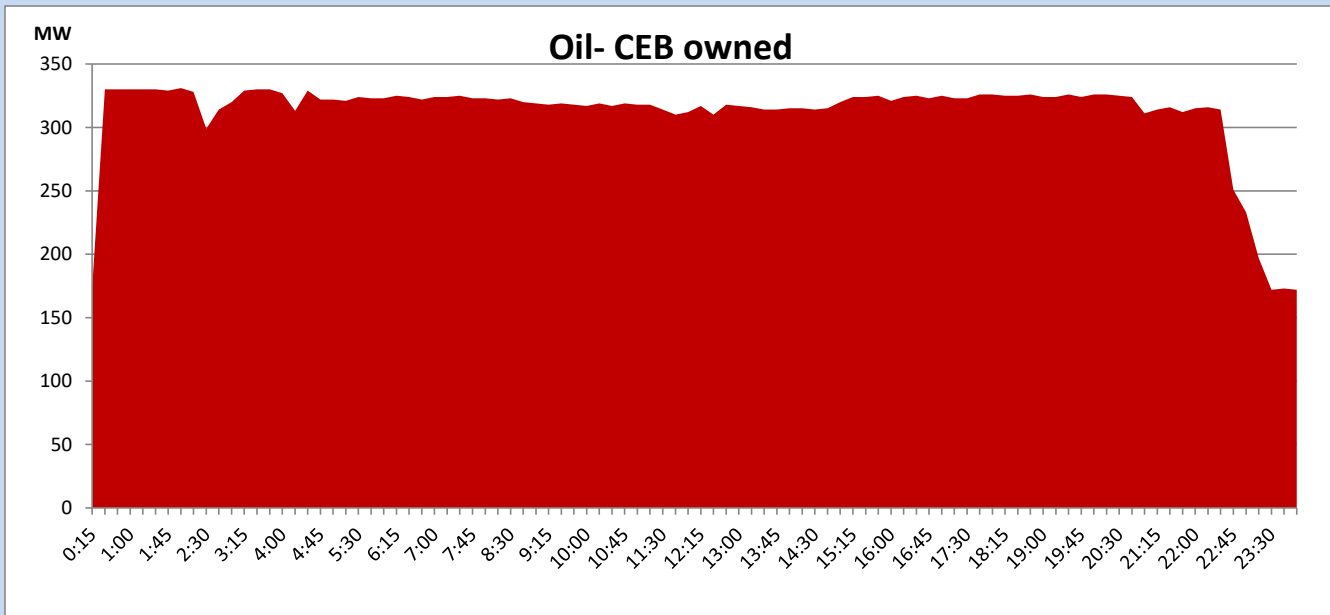
Coal Generation during

March 31, 2023



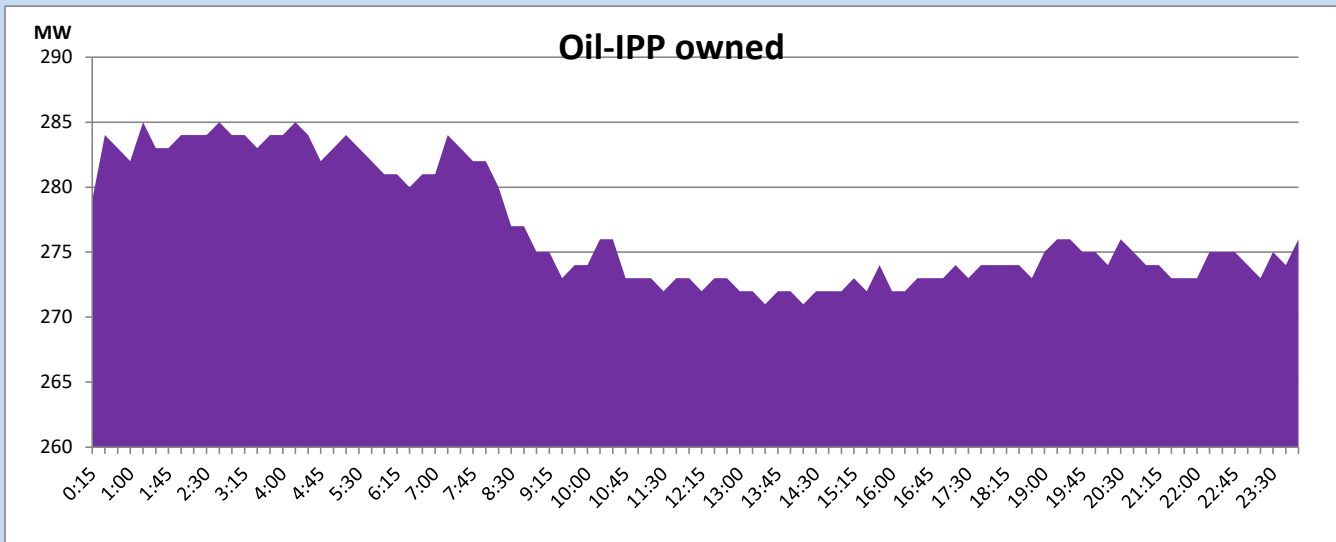
CEB Oil Plant Generation during

March 31, 2023



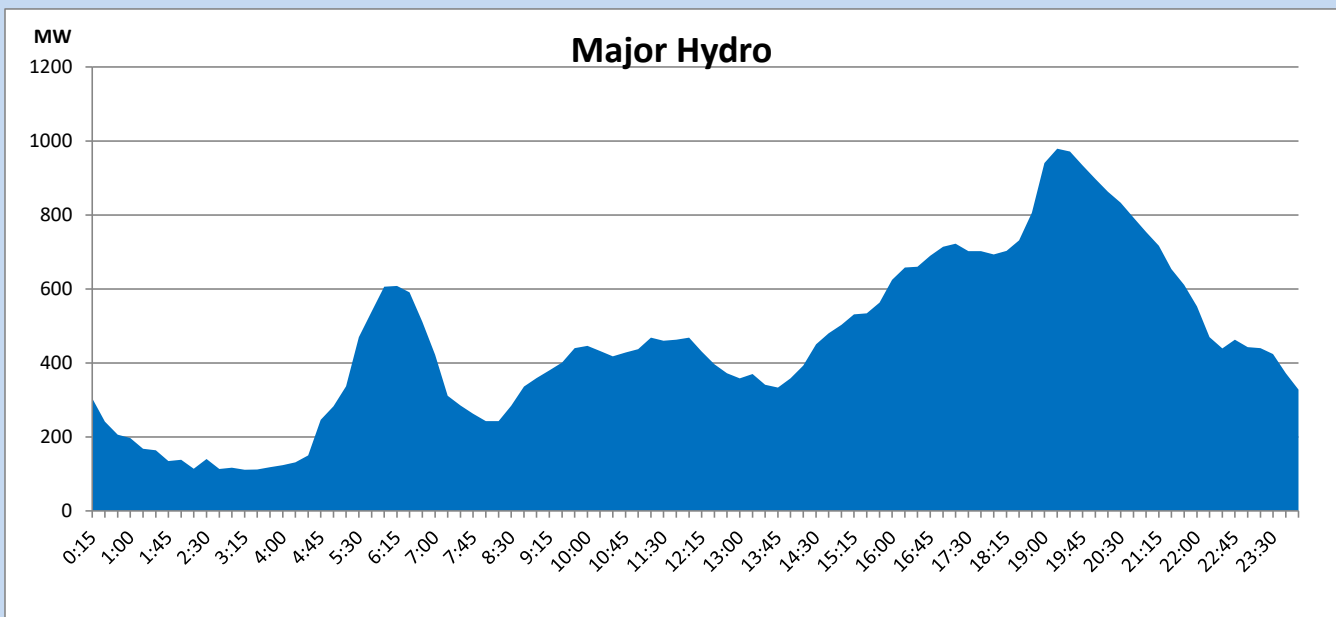
IPP Oil Plant Generation during

March 31, 2023



Major Hydro Generation during

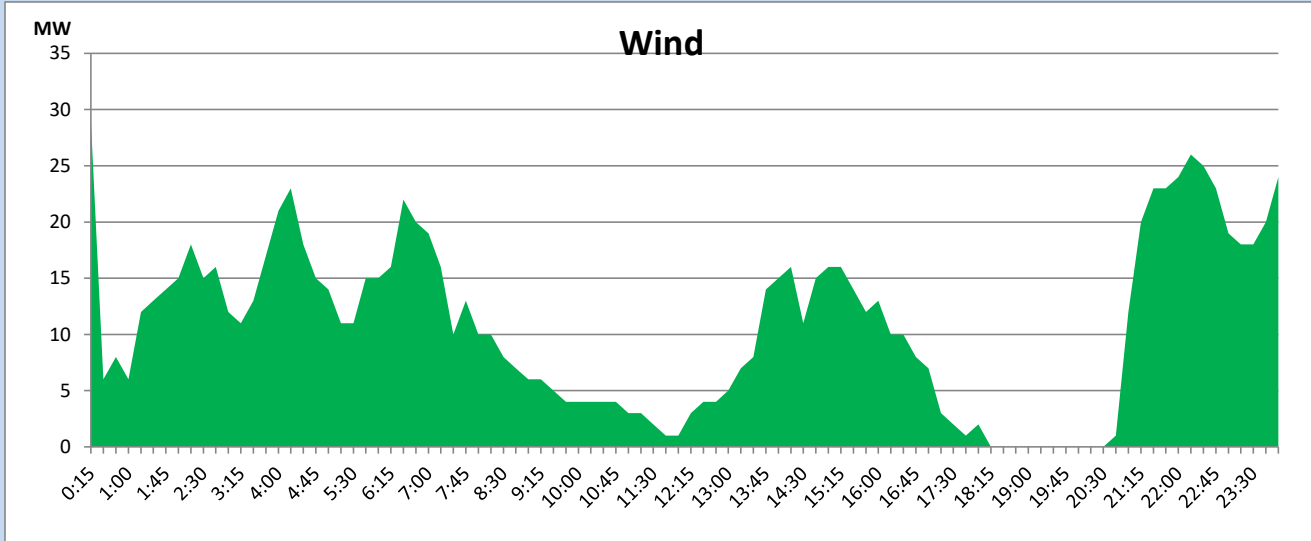
March 31, 2023



Wind Generation during

March 31, 2023

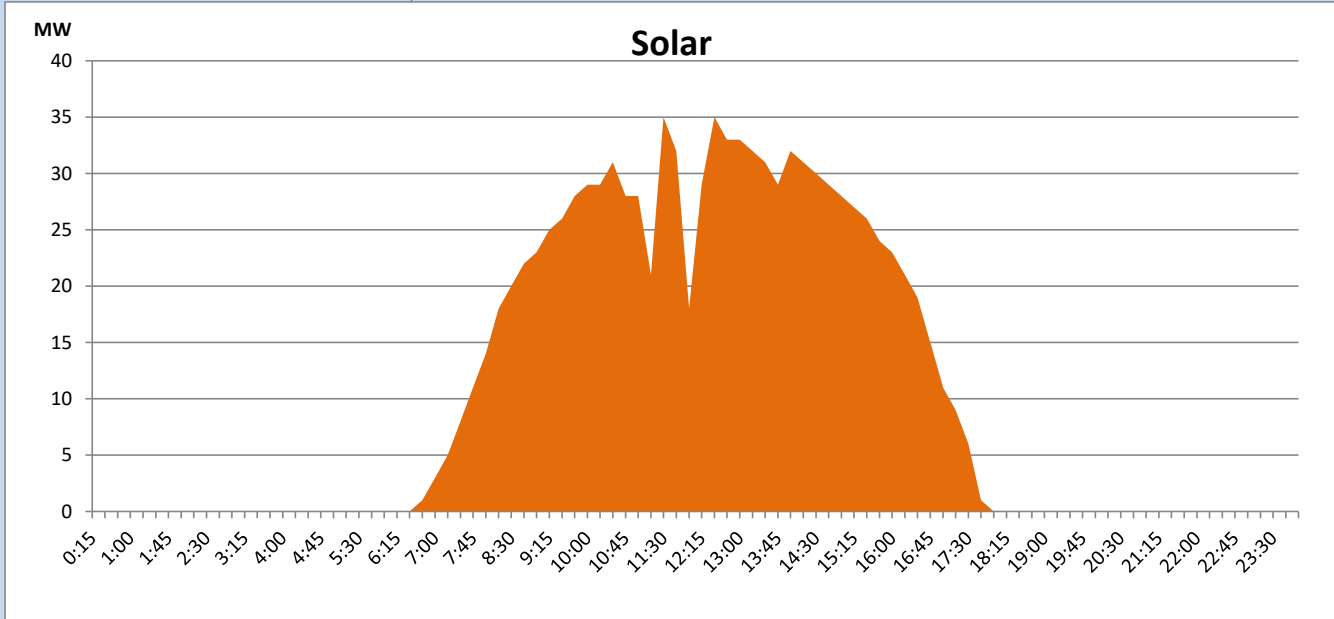
Based on Telemetered Power Stations only



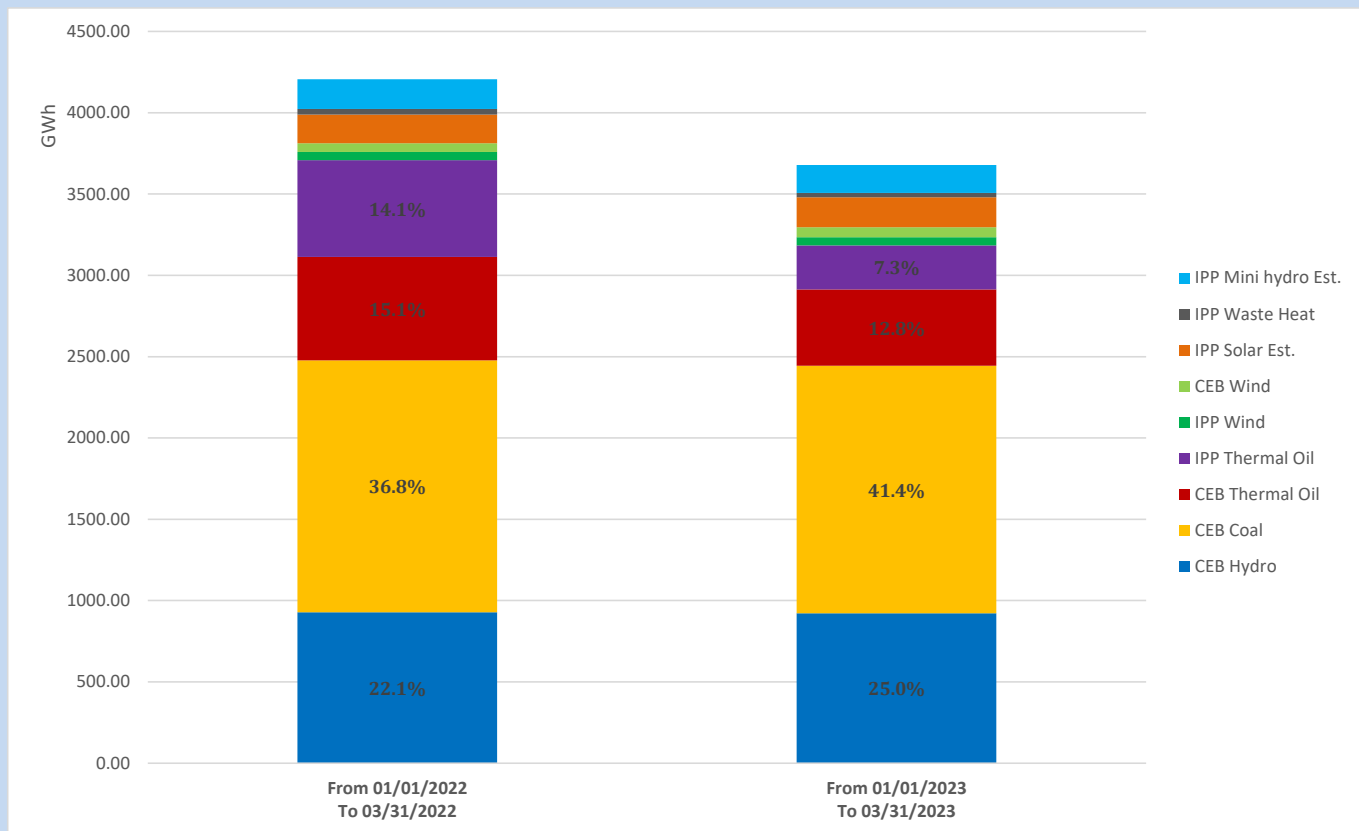
Solar Generation during

March 31, 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 31, 2023

- 1) LVPS Unit 03 reached 190MW (net) at 9:28hrs.
- 2) Old Habarana – New Habarana cct 02 loaded for the first time at 09:43hrs.
- 3) Kukule pond spilling stopped at 15:45hrs.
- 4) Sapugaskanda unit 10 made unavailable from 20:13hrs due to oil mist detector failure.