

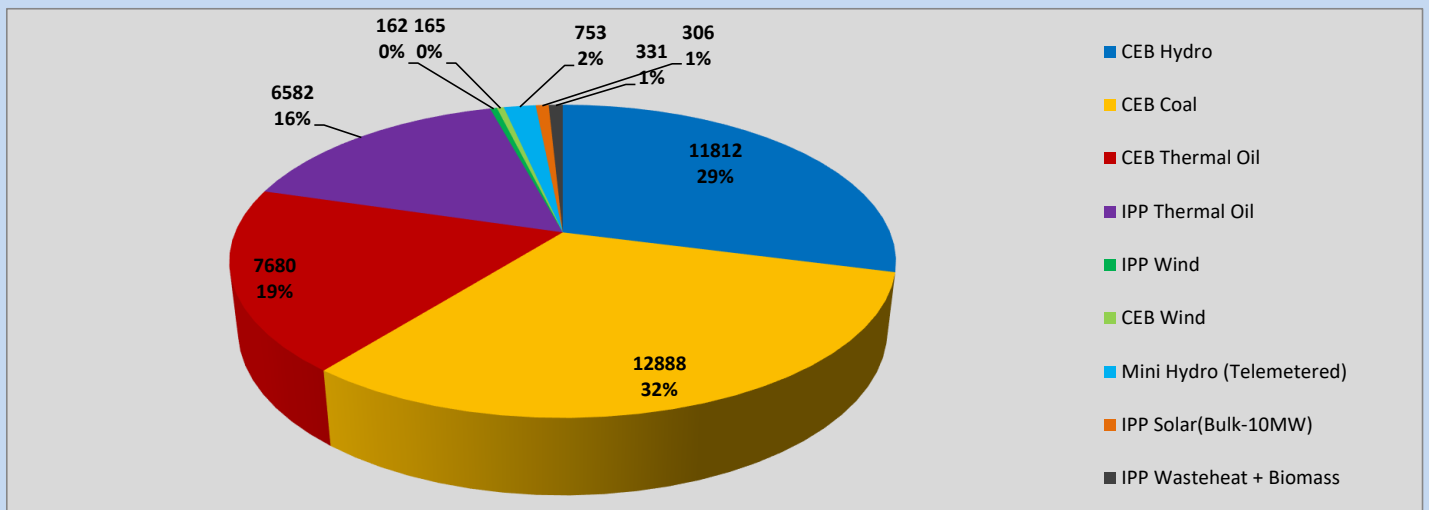
Generation and Reservoirs Statistics

March 24, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,679 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 557 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

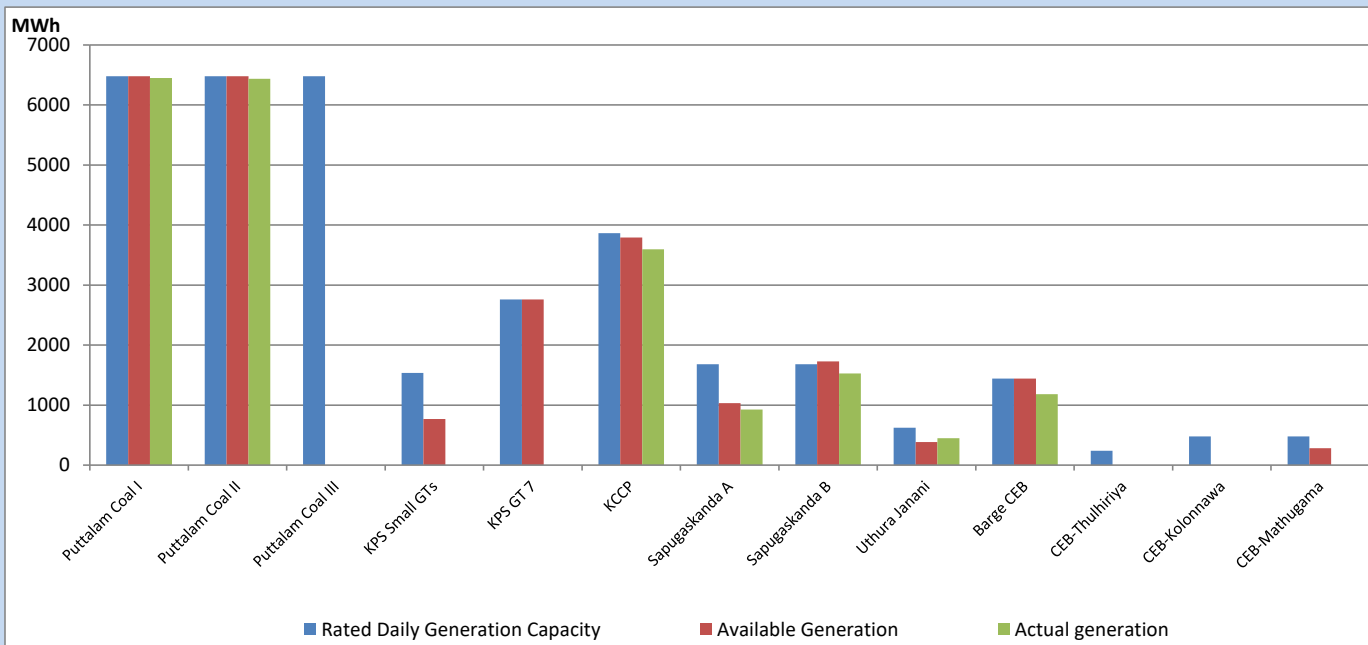
Category	Dispatch (GWh)	Percentage
CEB Hydro	224	23.64%
CEB Coal	425	44.78%
CEB Thermal Oil	143	15.08%
IPP Thermal	98	10.31%
SPP Wind	12	1.25%
CEB Wind	15	1.57%
Mini Hydro (Telemetered)	19	1.96%
IPP Solar (Bulk-10MW)	7	0.69%
IPP Wasteheat + BMP	7	0.73%
Total	949	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	826	26.42%
CEB Coal	1,429	45.73%
CEB Thermal Oil	420	13.45%
IPP Thermal	229	7.33%
SPP Wind	50	1.60%
CEB Wind	59	1.90%
Mini Hydro (Telemetered)	65	2.07%
IPP Solar (Bulk-10MW)	23	0.74%
IPP Wasteheat	24	0.77%
Total	3,125	

CEB owned Thermal Plant Dispatch

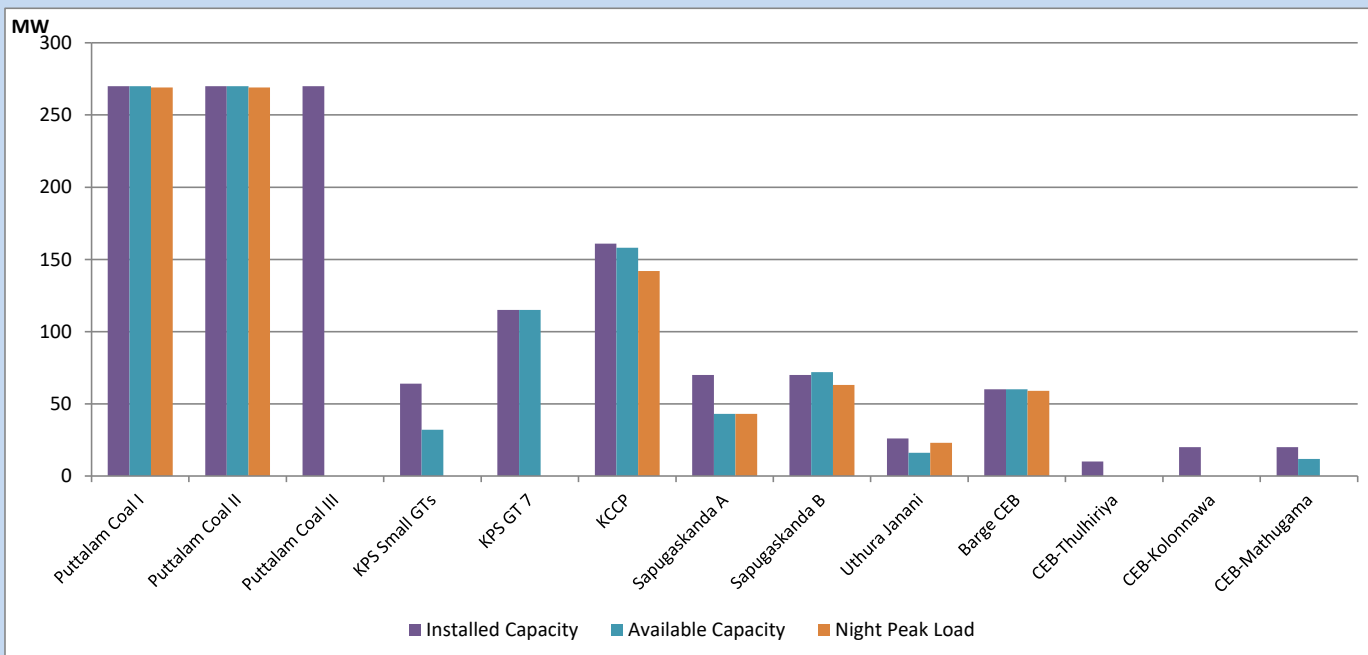
March 24, 2023



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

March 25, 2023

CEB owned Thermal Plant Loading at the Night Peak



Note- Plant availability is recorded at 6.00 am on

March 25, 2023

IPP owned Thermal Plant Dispatch

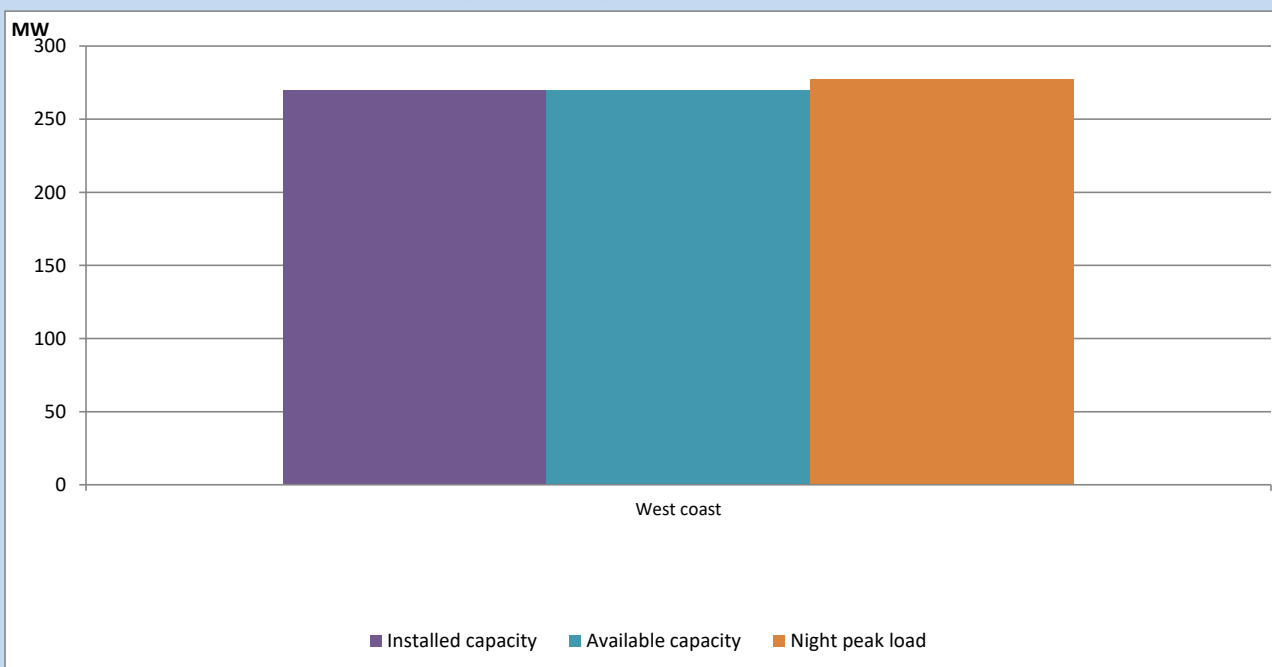
March 24, 2023



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

March 25, 2023

IPP owned Thermal Plant Loading at the Night Peak

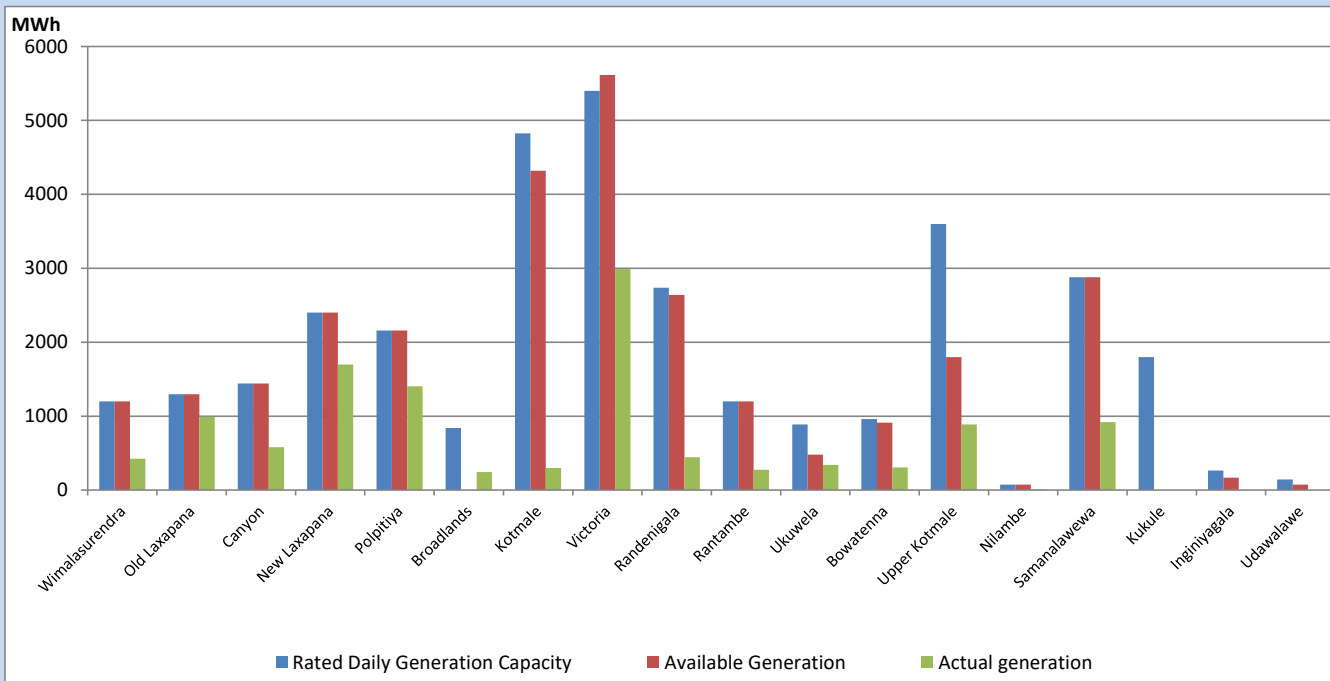


Note- Plant availability is recorded at 6.00 am on

March 25, 2023

Major Hydro Plant Dispatch

March 24, 2023

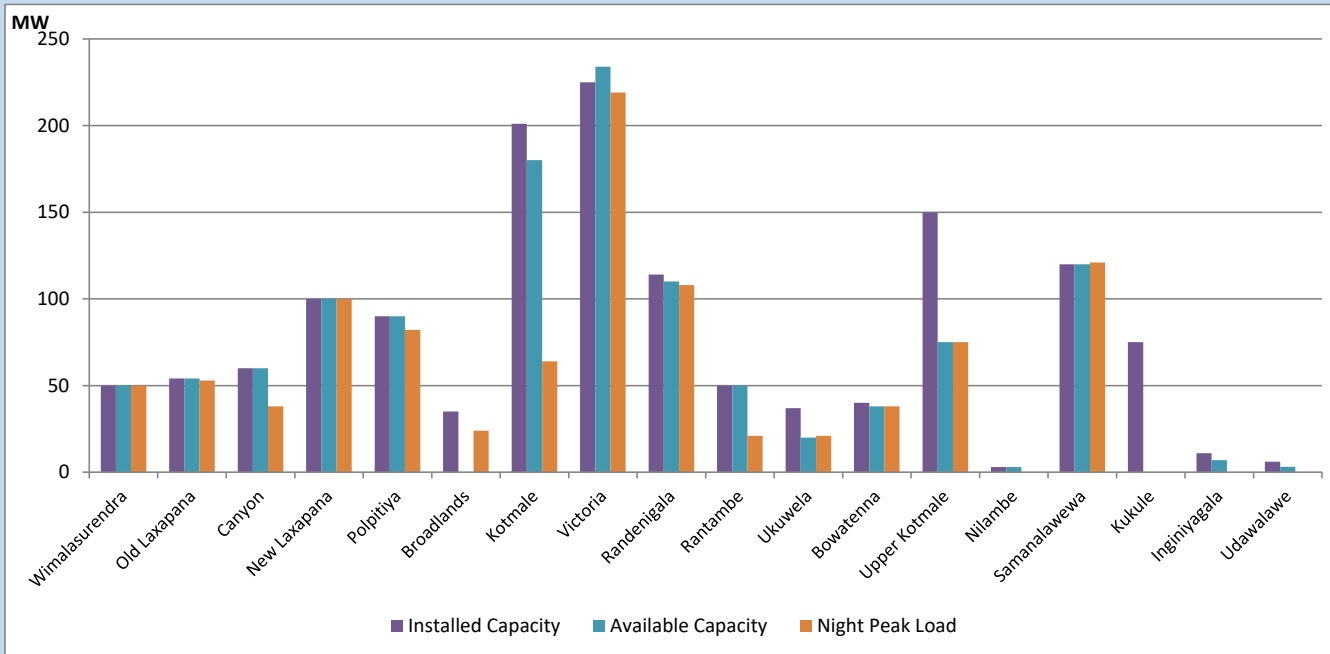


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

March 25, 2023

Major Hydro Plant Loading at Night Peak

March 24, 2023



Note- Plant availability is recorded at 6.00 am on

March 25, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

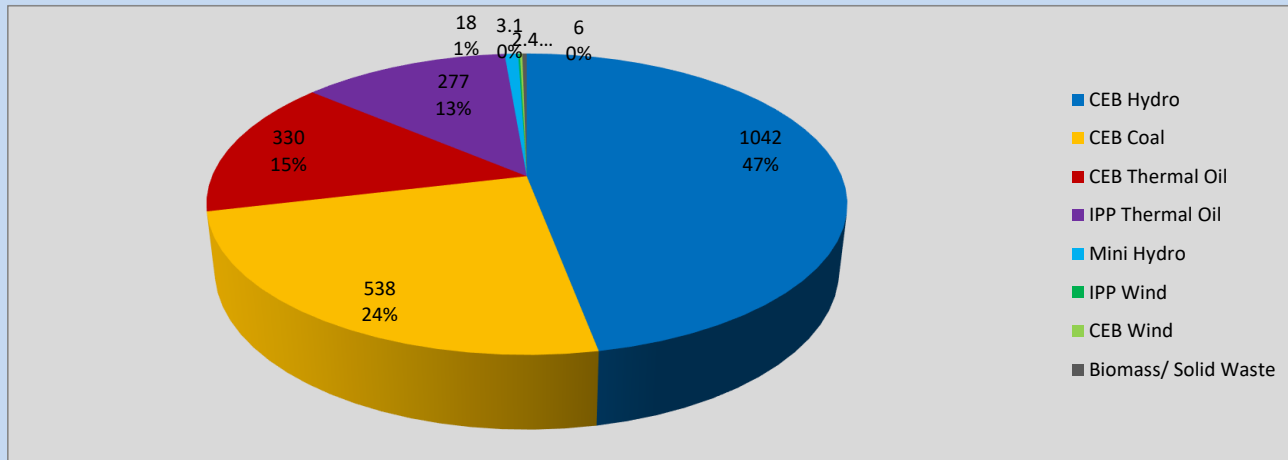
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	422
Old Laxapana	54	54	53	991
Canyon	60	60	38	580
New Laxapana	100	100	100	1,699
Polpitiya	90	90	82	1,403
Broadlands	35	0	24	245
Kotmale	201	180	64	300
Victoria	225	234	219	2,991
Randenigala	114	110	108	445
Rantambe	50	50	21	274
Ukuwela	37	20	21	339
Bowatenna	40	38	38	307
Upper Kotmale	150	75	75	888
Nilambe	3	3	0	11
Samanalawewa	120	120	121	917
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	269	6,451
Puttalam Coal II	270	270	269	6,437
Puttalam Coal III	270	0	0	0
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	142	3,596
Sapugaskanda A	70	43	43	924
Sapugaskanda B	70	72	63	1,529
Uthura Janani	26	16	23	448
Barge CEB	60	60	59	1,183
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	12	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	277	6,582
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,512	2,189	40,679

Plant availability is the availability recorded at 6 am on

March 25, 2023

Contribution to the Night Peak in MW

March 24, 2023

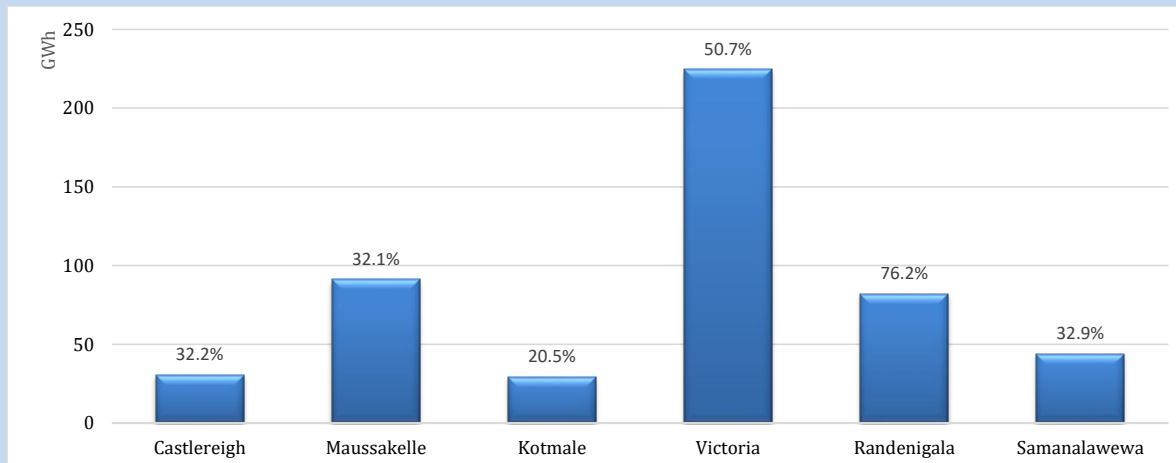


Night Peak*	2,217 MW
Day Peak	1,964 MW
Minimum Demand	1,229 MW

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

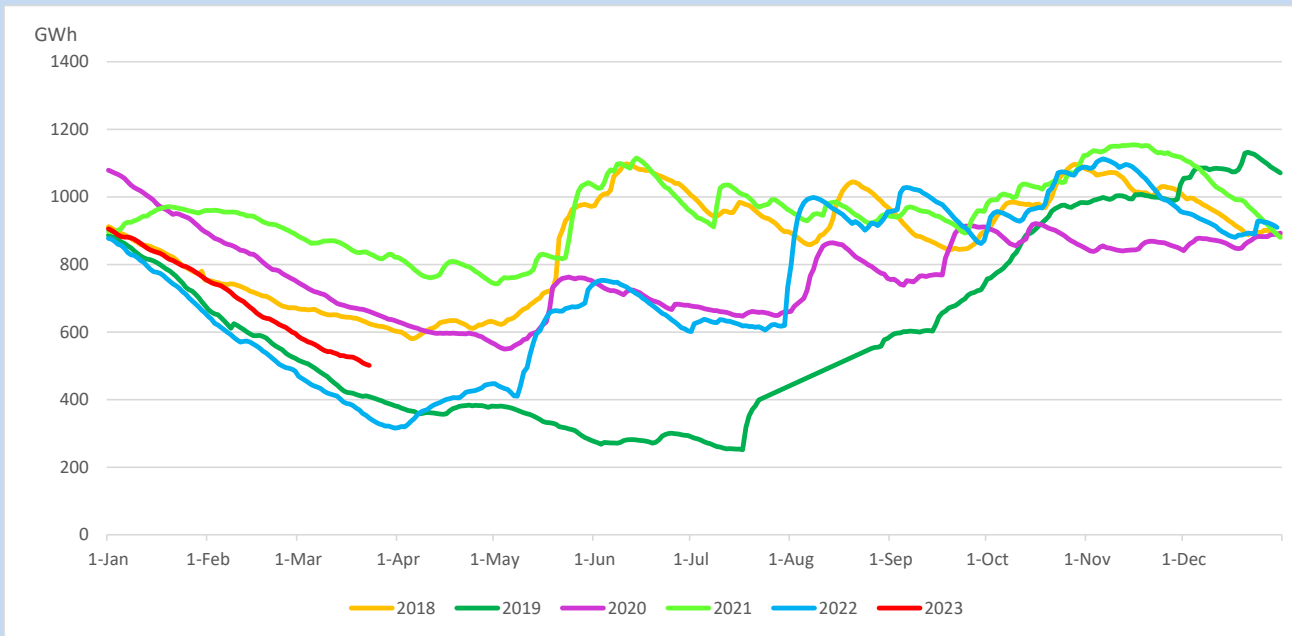
Reservoir Levels -

as at 06.00 Hr on March 25, 2023

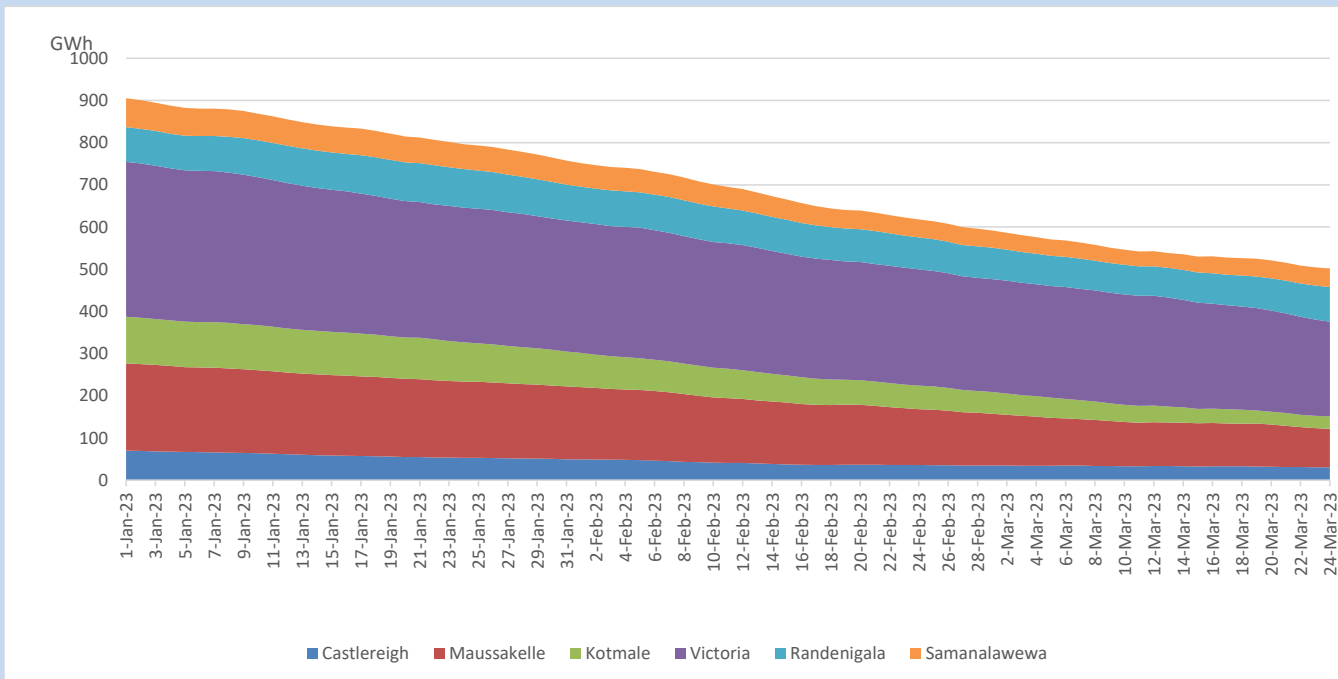


Total Reservoir Level	501.3 GWh
% of Total capacity	41.6%

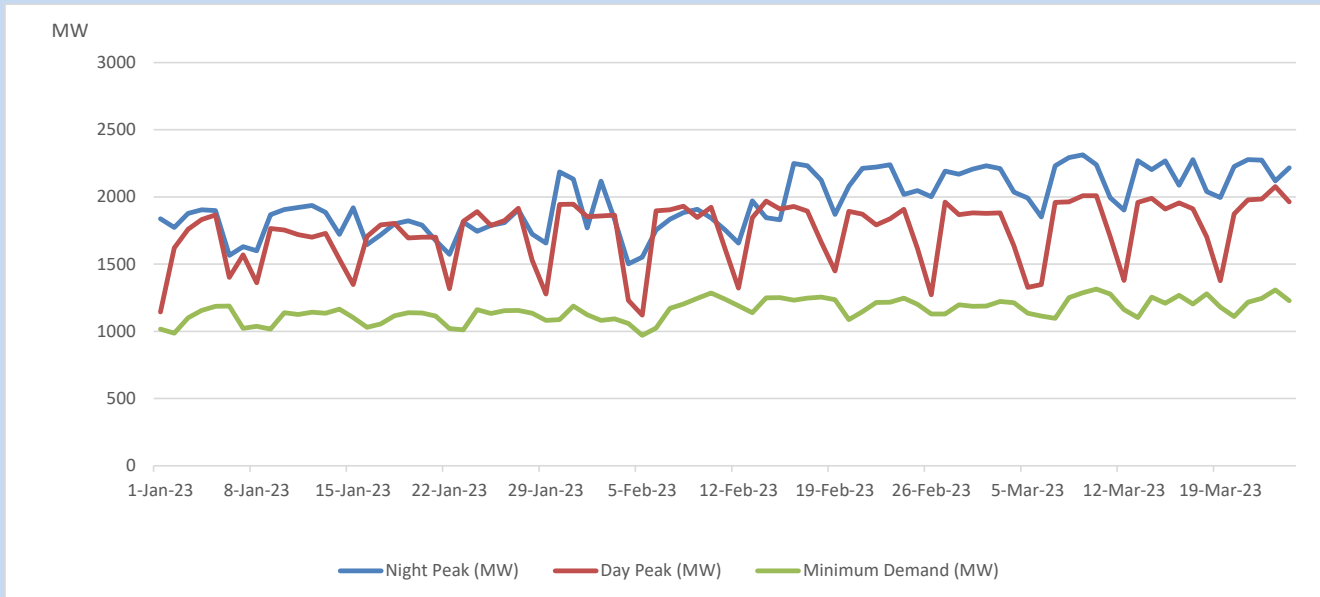
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

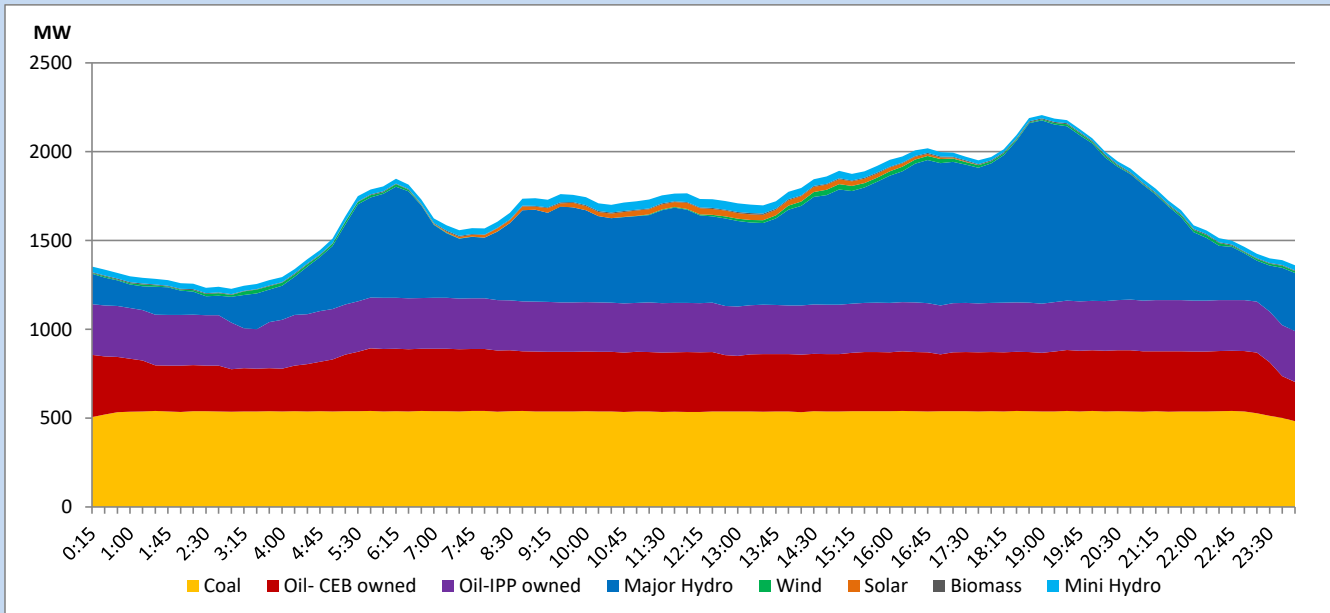


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

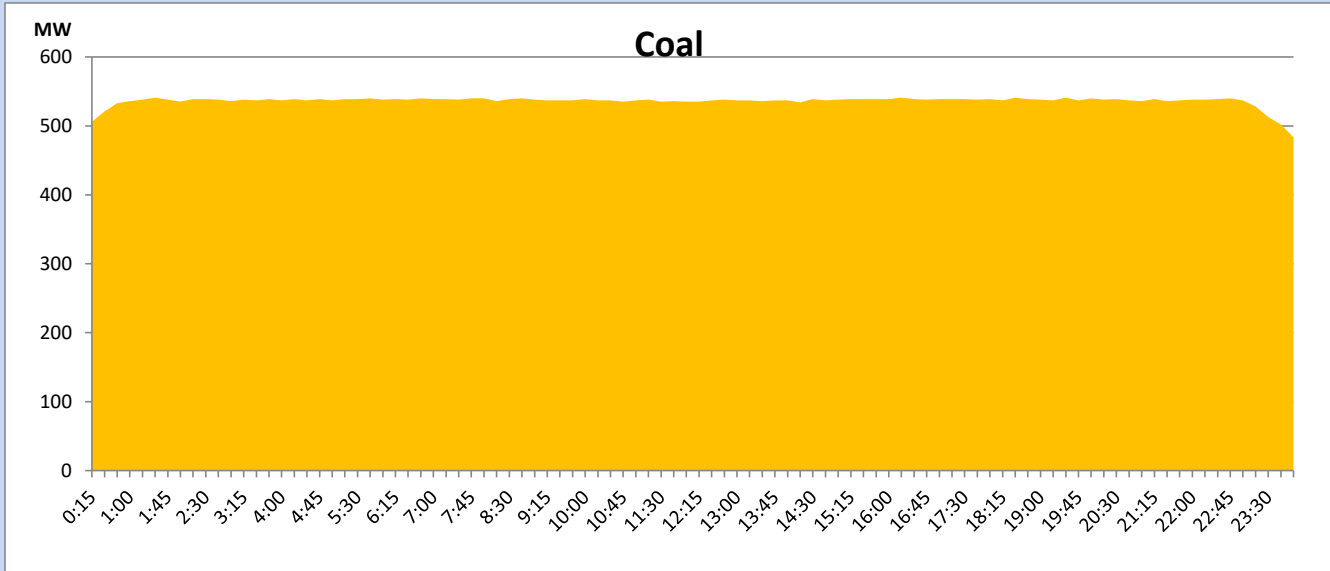
March 24, 2023

Solar and wind data is based on Telemetered Power Stations only



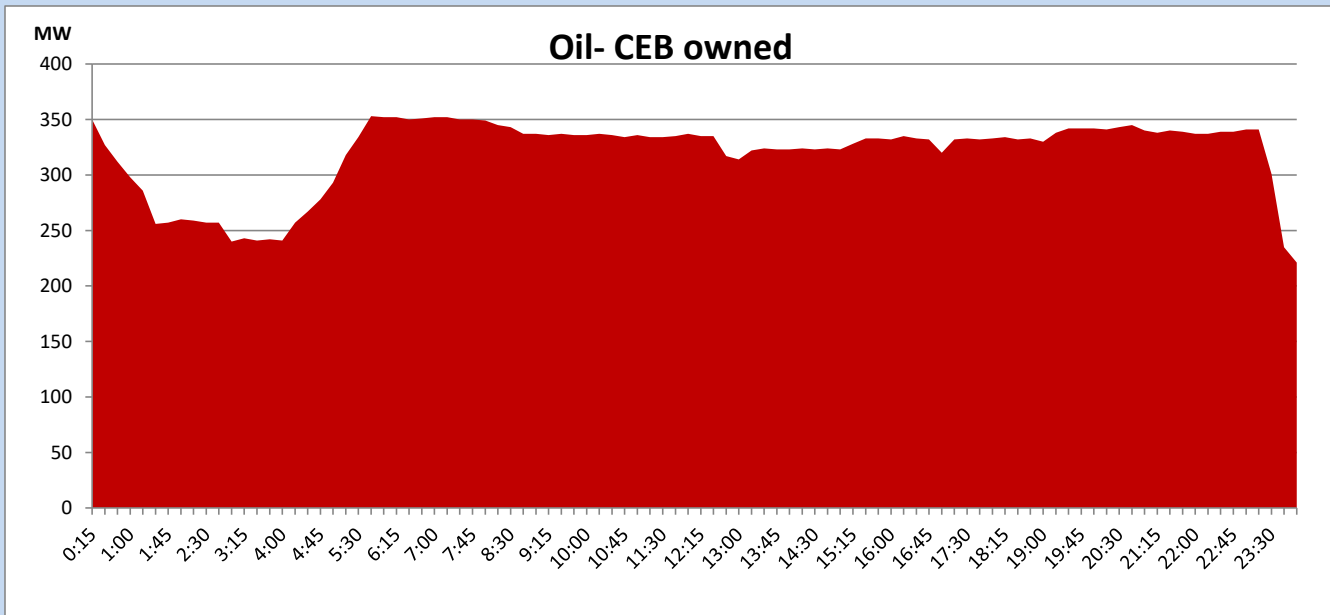
Coal Generation during

March 24, 2023



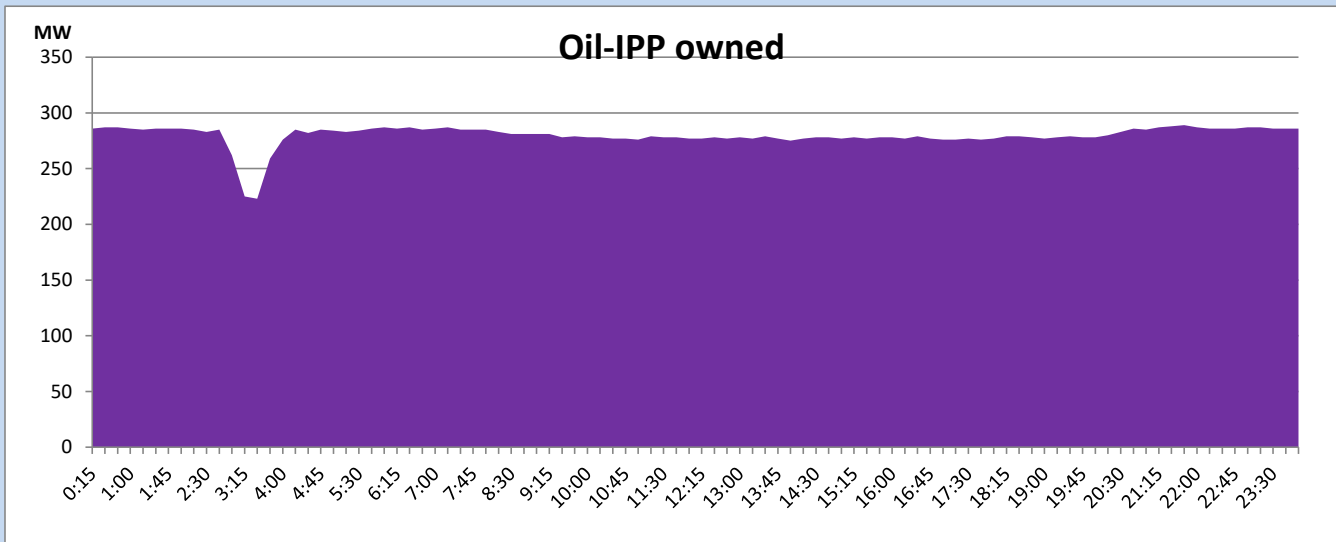
CEB Oil Plant Generation during

March 24, 2023



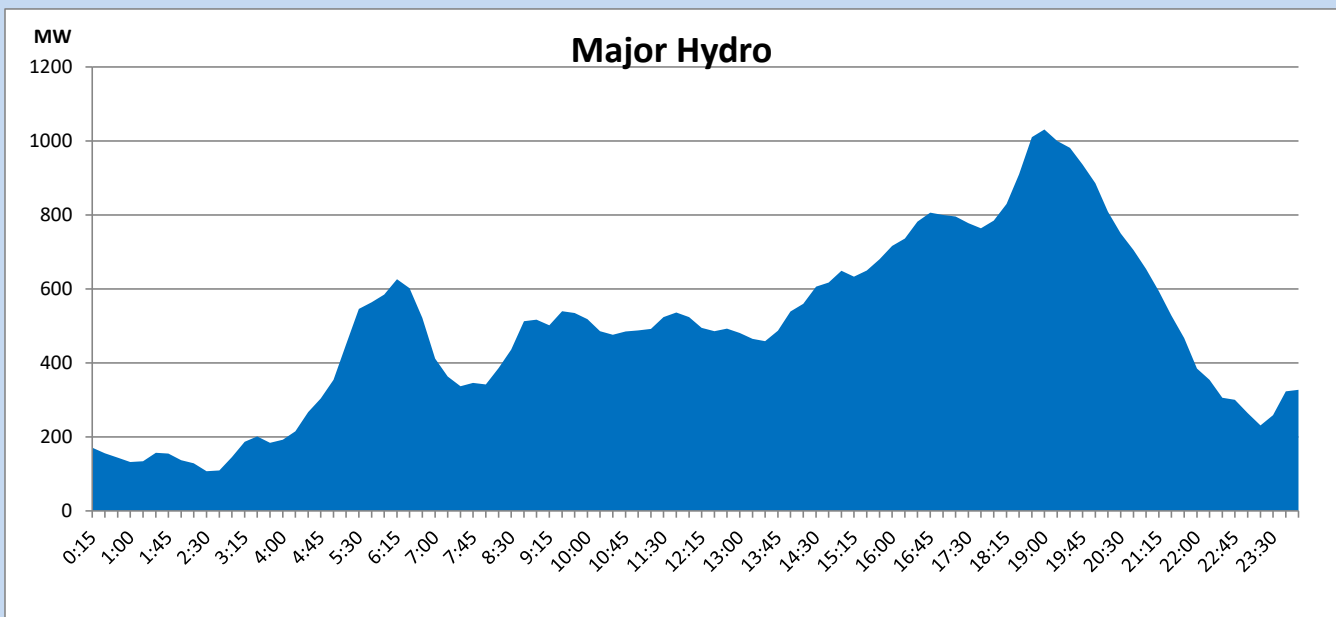
IPP Oil Plant Generation during

March 24, 2023



Major Hydro Generation during

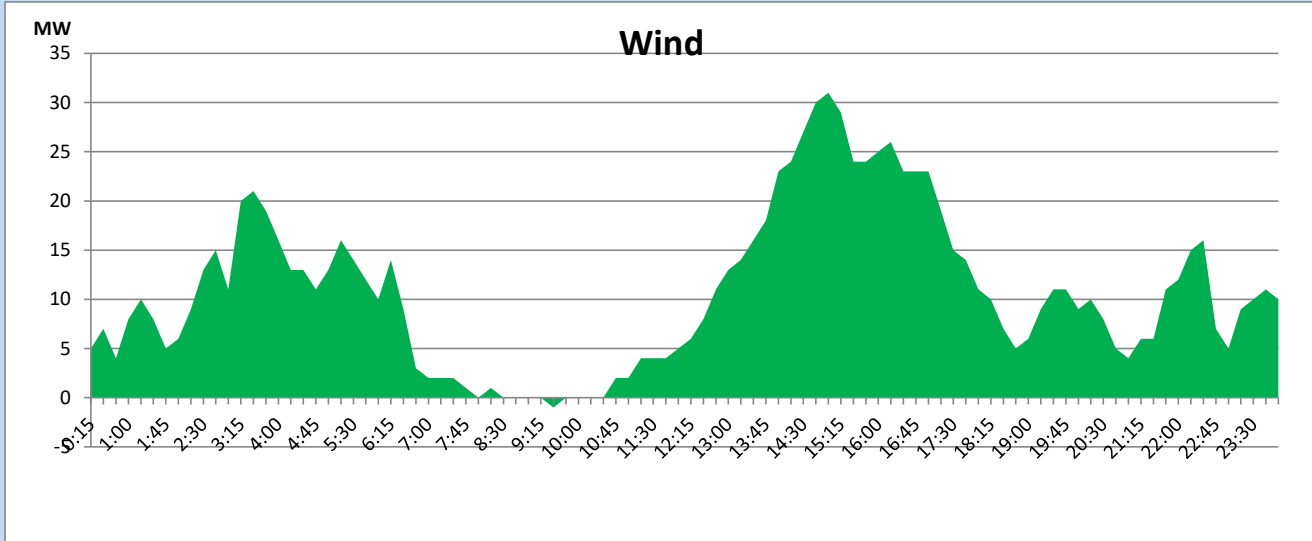
March 24, 2023



Wind Generation during

March 24, 2023

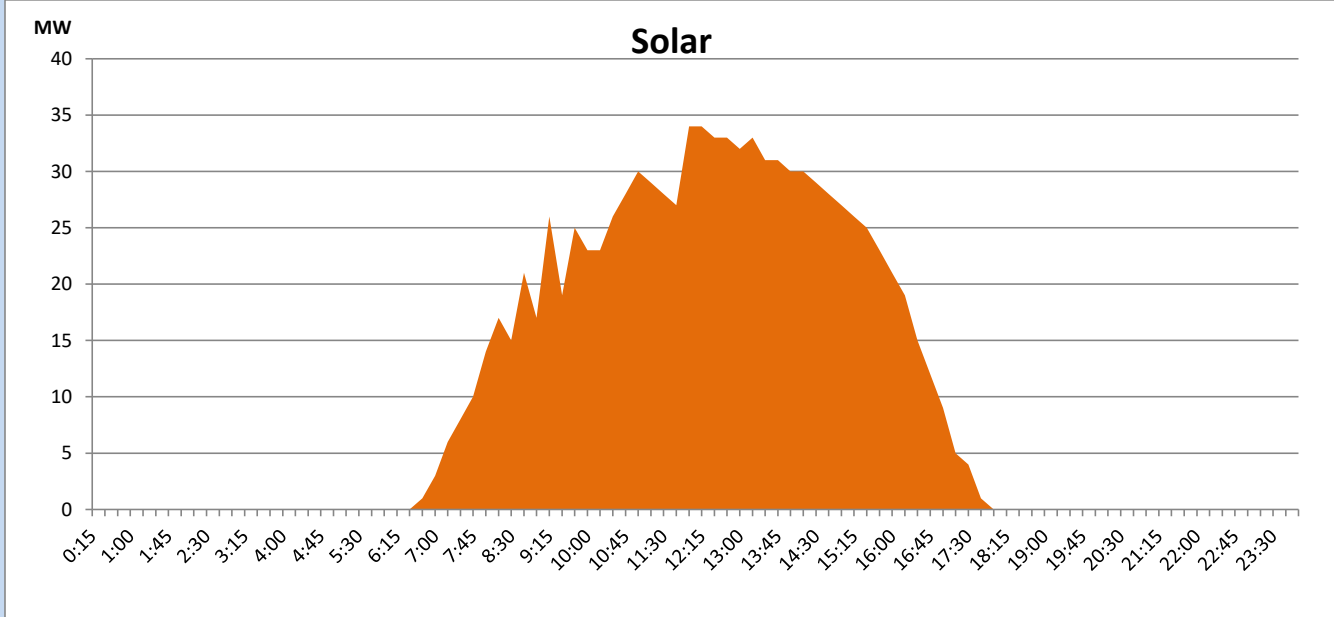
Based on Telemetered Power Stations only



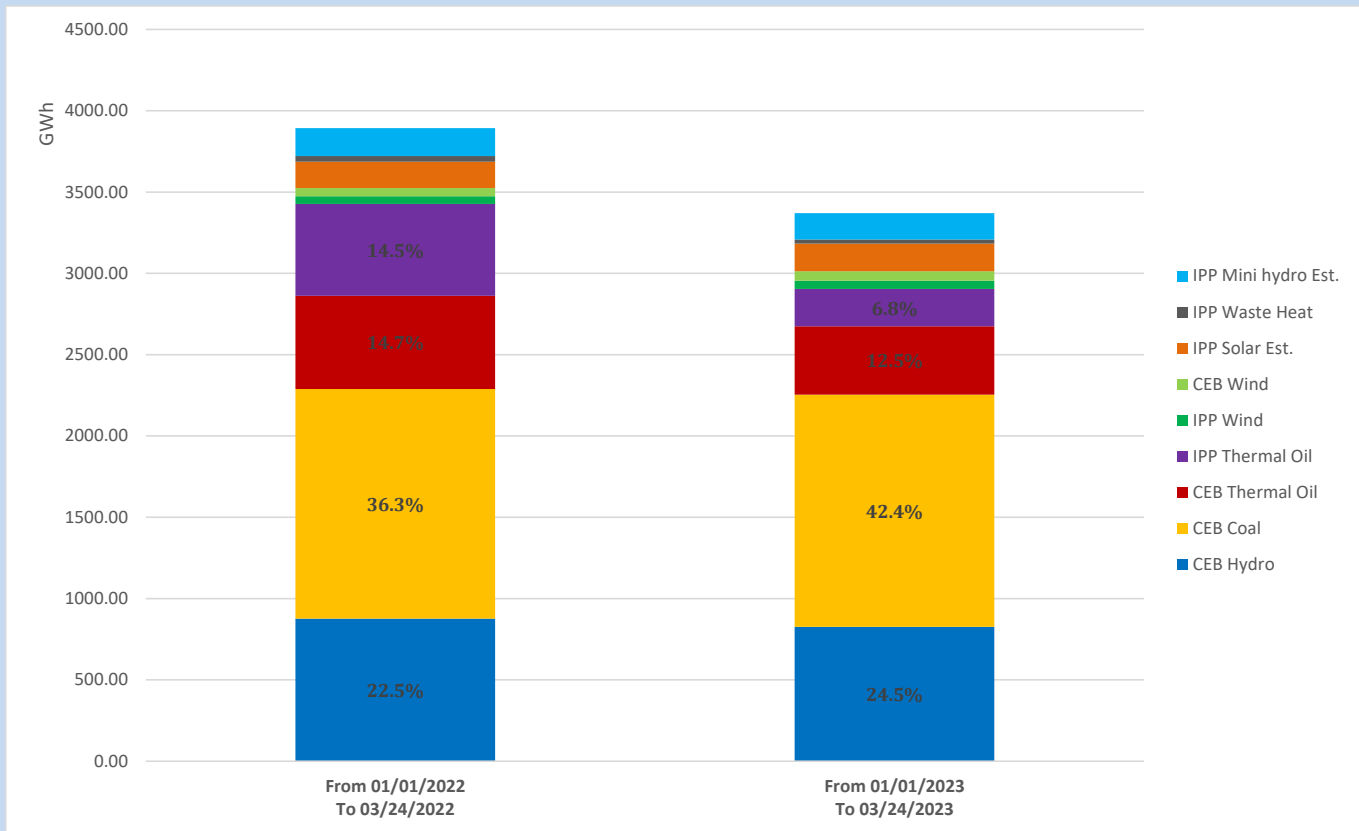
Solar Generation during

March 24, 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 24, 2023

- 1) Athuru-Thul-Polp 132kV cct tripped from all three ends and A/R only from Athurugiriya & Thulhiriya ends at 19:53hrs due to the operation of distance protection. At the same time, N'Pol-Thul- Athuru cct tripped and A/R from all ends due to the operation of distance protection and Padukka-Oruwala cct tripped from Oruwala end due to the operation of E/F protection causing Oruwala GSS to be dead. Oruwala GSS was energized via Athurugiriya at 20:20hrs. Athuru- Thul – Pol cct was restored from Polpitiya end at 20:18hrs.
- 2) Athuru-Thul-Polp 132kV cct tripped from all three ends and A/R only from Athurugiriya & Thulhiriya ends at 20:28hrs due to the operation of distance protection. At the same time, N'Pol-Thul- Athuru cct tripped from all ends and A/R only from Athurugiriya & N'Polpitiya end due to the operation of distance protection. Athuru- Thul – Pol cct was restored at 20:48hrs and Athuru- Thul – N'Pol cct was restored at 20:49hrs.
- 3) Kelanithissa – Sojitz 220kV cable tripped at 22:21hrs and the cable was restored at 03:28hrs.
- 4) Ukuwela unit 01 stopped at 10:22hrs to facilitate the search of a drowned person at the request of Matale Police. Ukuwela unit 01 resumed generation at 18:13hrs after search operation temporary halted.