

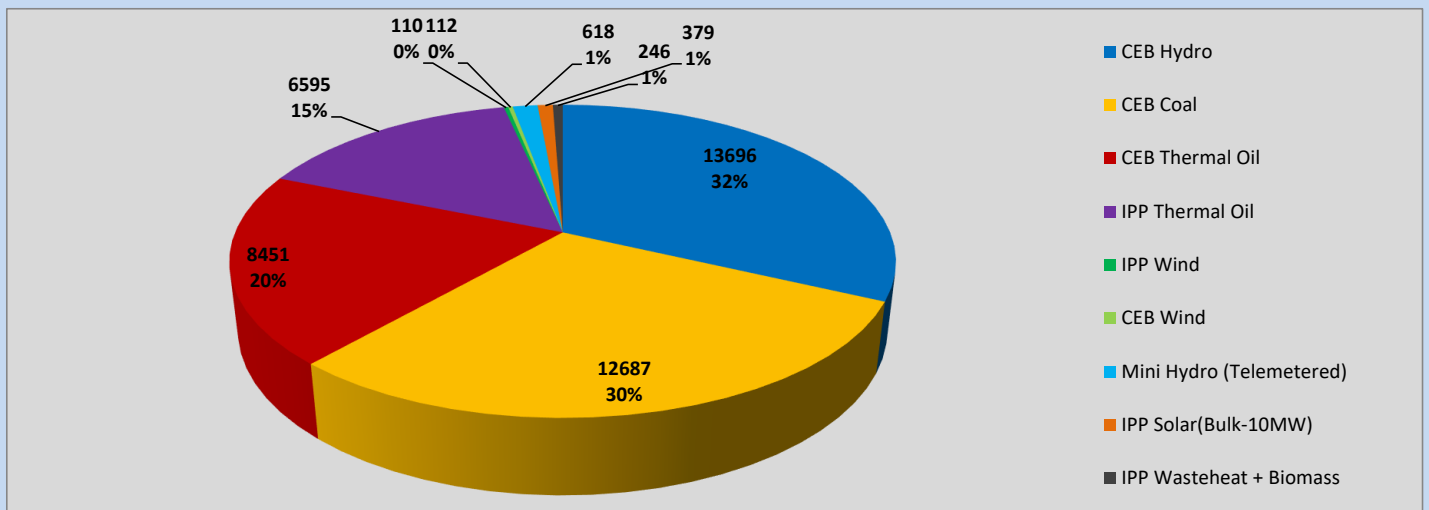
Generation and Reservoirs Statistics

March 30, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =



42,894 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 692 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

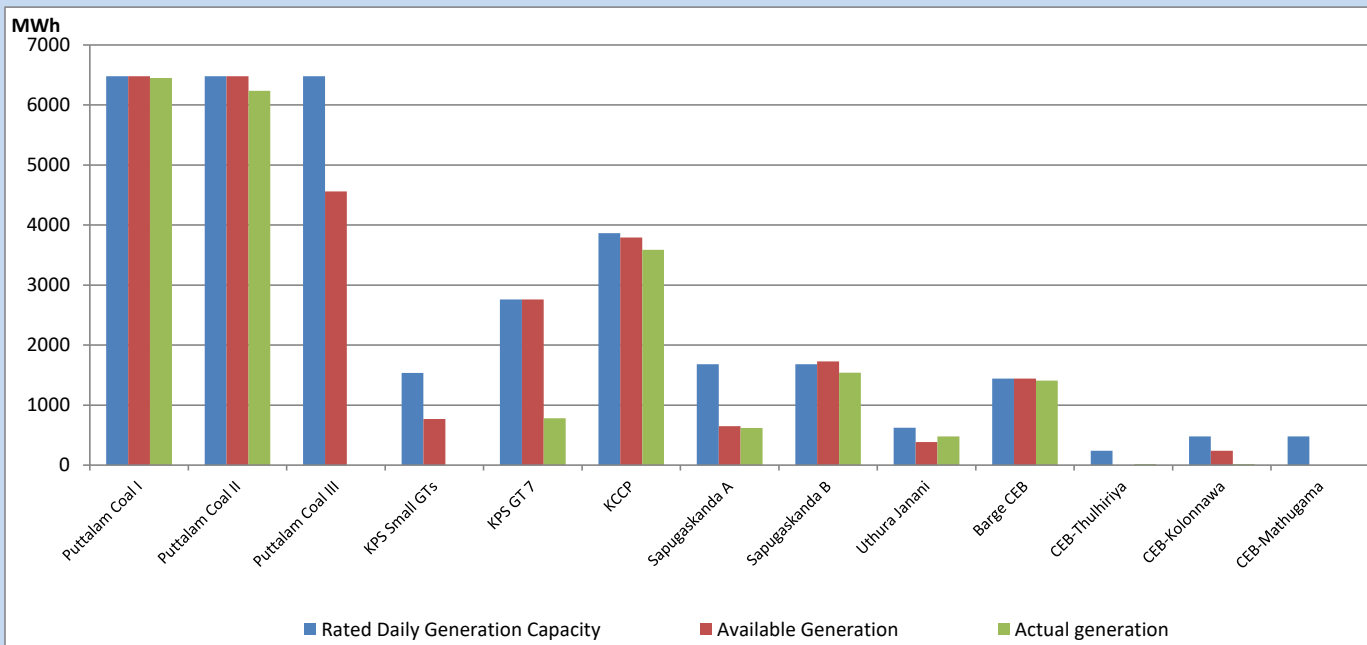
Category	Dispatch (GWh)	Percentage
CEB Hydro	308	25.77%
CEB Coal	502	41.96%
CEB Thermal Oil	185	15.50%
IPP Thermal	133	11.08%
SPP Wind	13	1.05%
CEB Wind	16	1.31%
Mini Hydro (Telemetered)	22	1.86%
IPP Solar(Bulk-10MW)	9	0.73%
IPP Wasteheat + BMP	9	0.75%
Total	1,196	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	910	26.98%
CEB Coal	1,506	44.66%
CEB Thermal Oil	463	13.71%
IPP Thermal	264	7.82%
SPP Wind	51	1.50%
CEB Wind	60	1.78%
Mini Hydro (Telemetered)	68	2.02%
IPP Solar(Bulk-10MW)	25	0.75%
IPP Wasteheat	26	0.77%
Total	3,372	

CEB owned Thermal Plant Dispatch

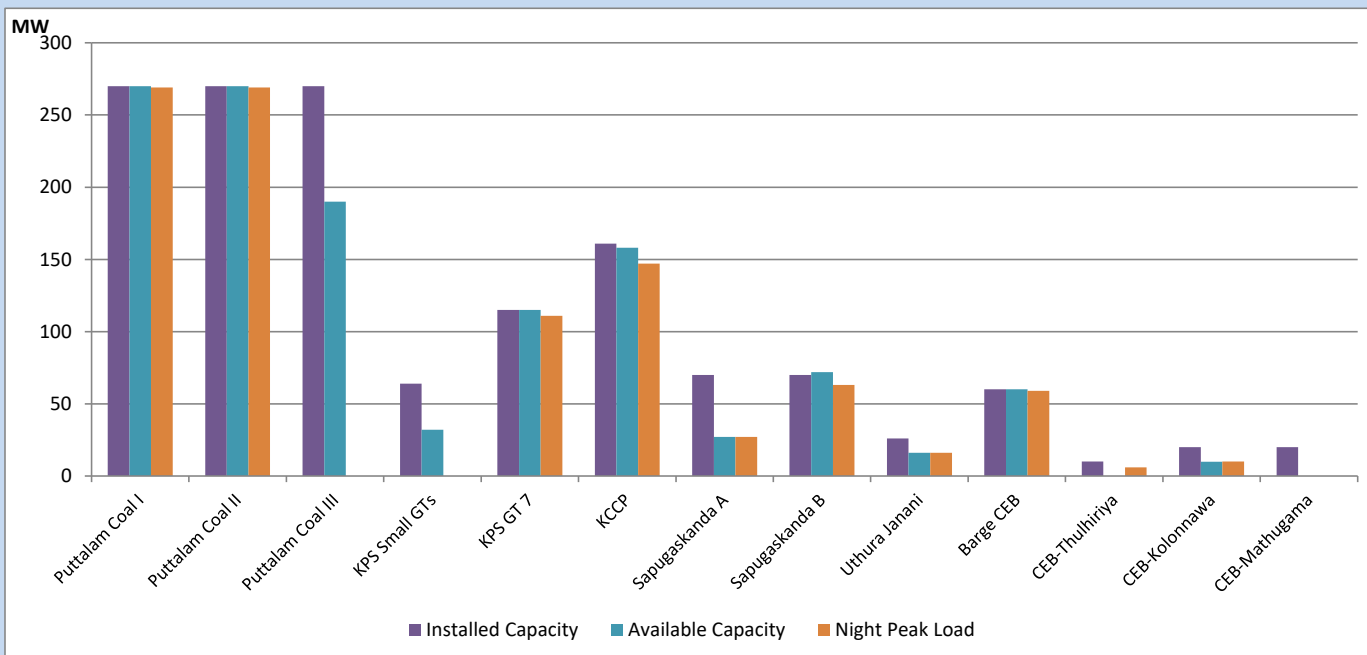
March 30, 2023



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

March 31, 2023

CEB owned Thermal Plant Loading at the Night Peak

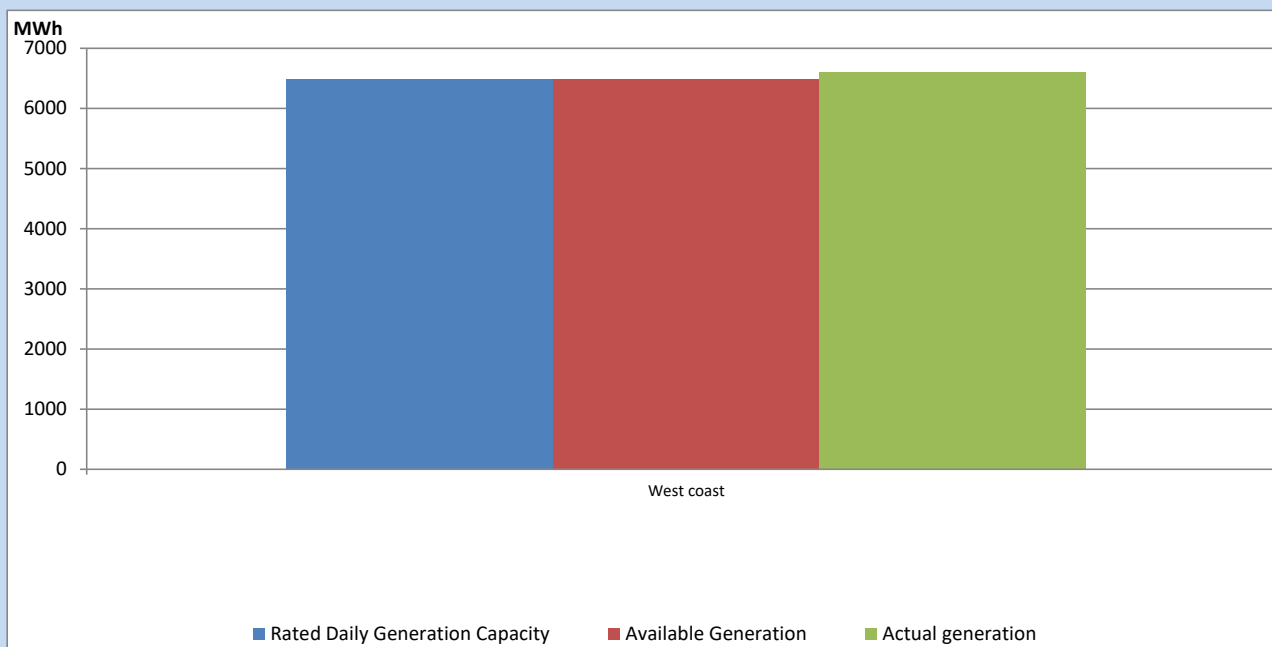


Note- Plant availability is recorded at 6.00 am on

March 31, 2023

IPP owned Thermal Plant Dispatch

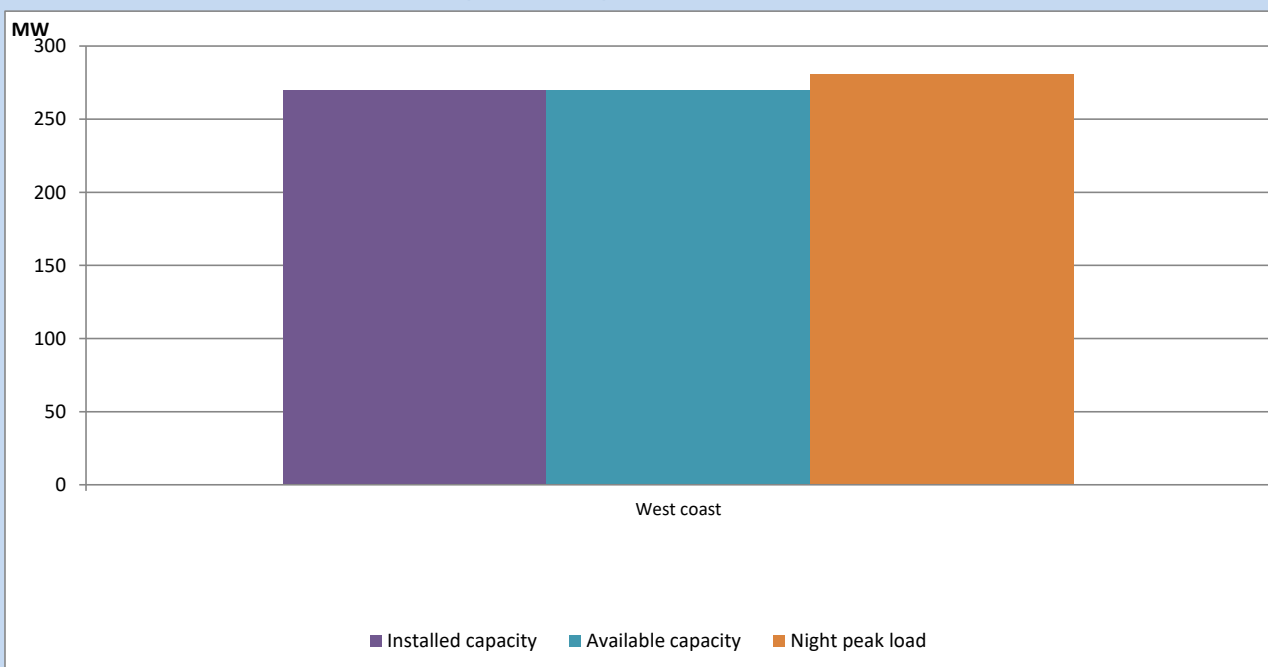
March 30, 2023



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

March 31, 2023

IPP owned Thermal Plant Loading at the Night Peak

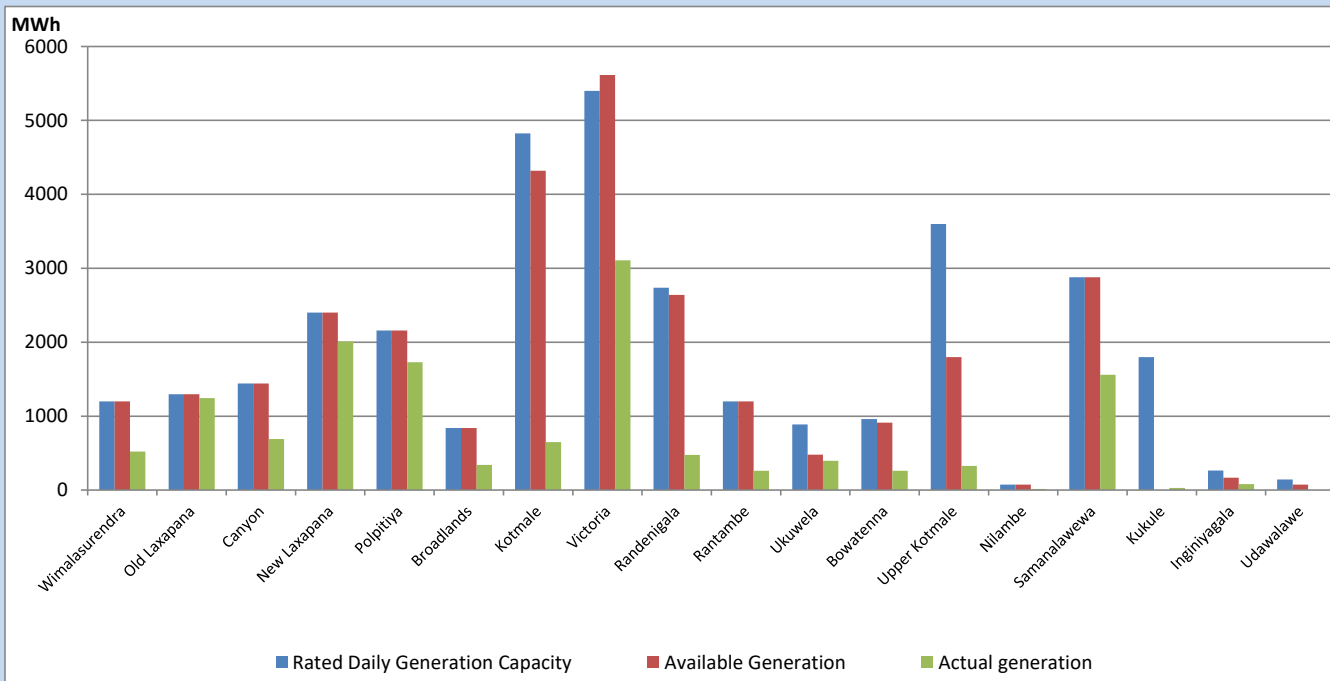


Note- Plant availability is recorded at 6.00 am on

March 31, 2023

Major Hydro Plant Dispatch

March 30, 2023

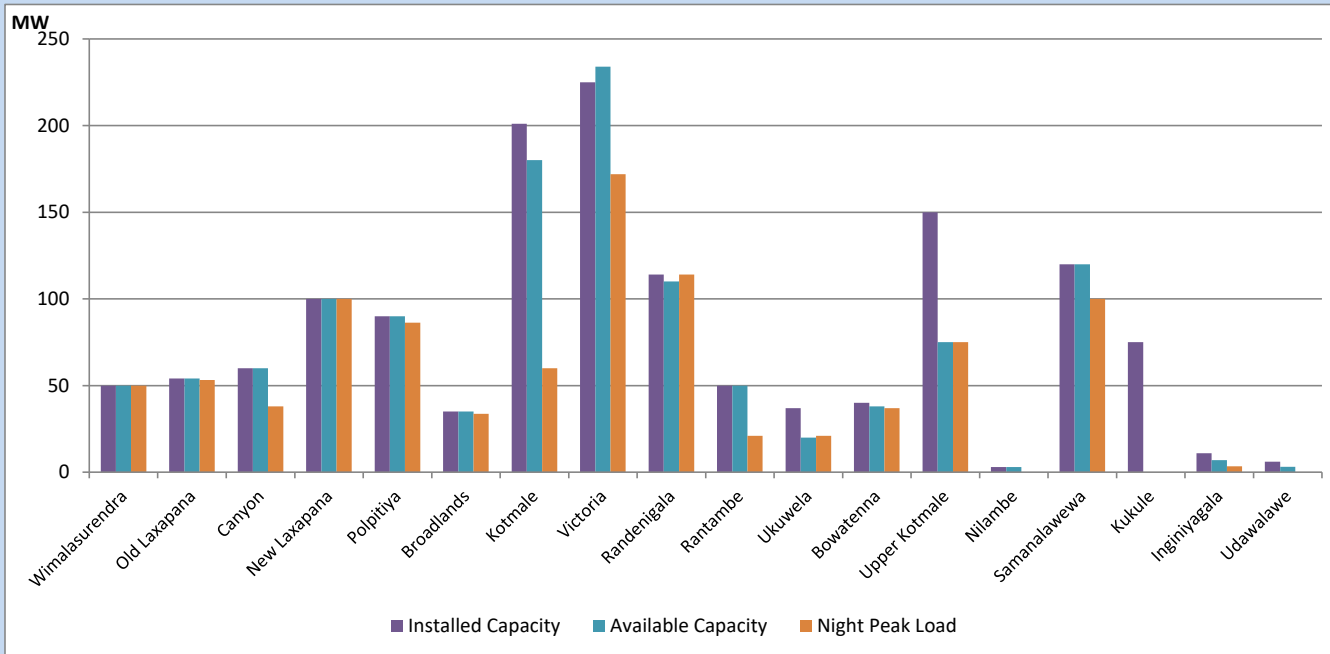


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

March 31, 2023

Major Hydro Plant Loading at Night Peak

March 30, 2023



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

March 31, 2023

Summary of Major Plant performance

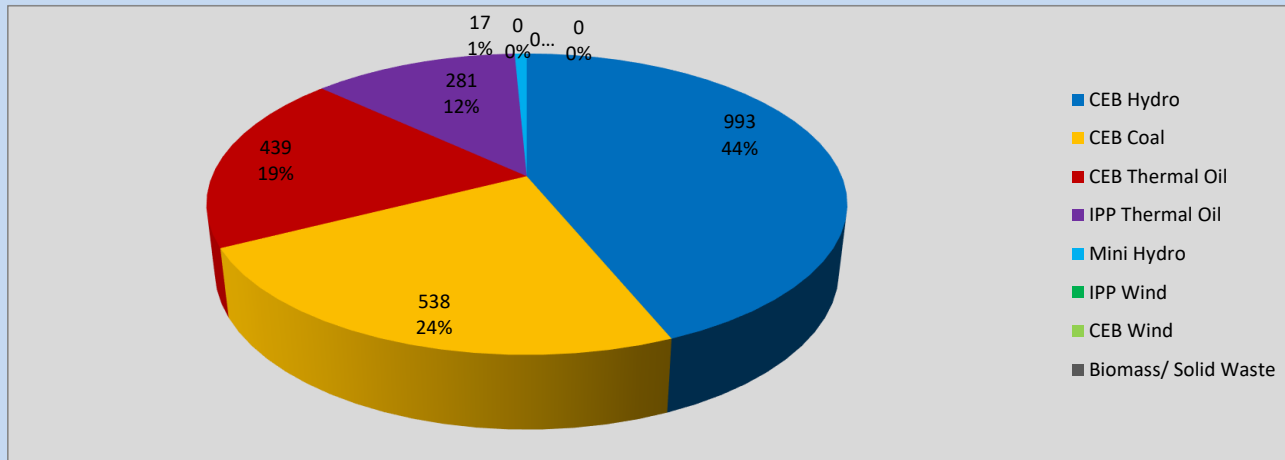
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	519
Old Laxapana	54	54	53	1,245
Canyon	60	60	38	689
New Laxapana	100	100	100	2,010
Polpitiya	90	90	86	1,728
Broadlands	35	35	34	340
Kotmale	201	180	60	650
Victoria	225	234	172	3,109
Randenigala	114	110	114	477
Rantambe	50	50	21	261
Ukuwela	37	20	21	397
Bowatenna	40	38	37	261
Upper Kotmale	150	75	75	328
Nilambe	3	3	0	15
Samanalawewa	120	120	100	1,560
Kukule	75	0	0	27
Inginiyagala	11	7	3	80
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	269	6,451
Puttalam Coal II	270	270	269	6,236
Puttalam Coal III	270	190	0	0
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	111	783
KCCP	161	158	147	3,589
Sapugaskanda A	70	27	27	620
Sapugaskanda B	70	72	63	1,542
Uthura Janani	26	16	16	477
Barge CEB	60	60	59	1,408
CEB-Thulhiriya	10	0	6	16
CEB-Kolonnawa	20	10	10	16
CEB-Mathugama	20	0	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	281	6,595
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,719	2,239	42,894

Plant availability is the availability recorded at 6 am on

March 31, 2023

Contribution to the Night Peak in MW

March 30, 2023

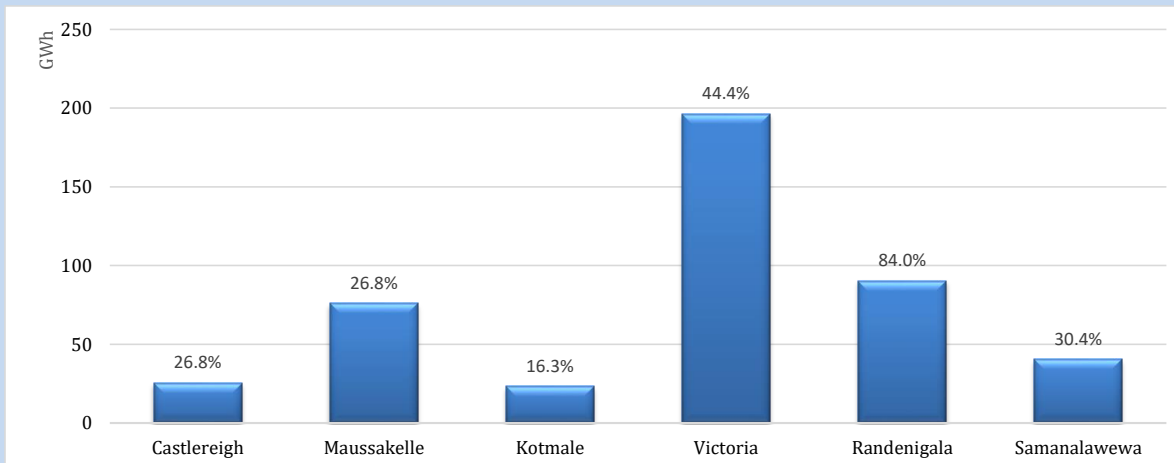


Night Peak*	2,267 MW
Day Peak	2,060 MW
Minimum Demand	1,299 MW

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

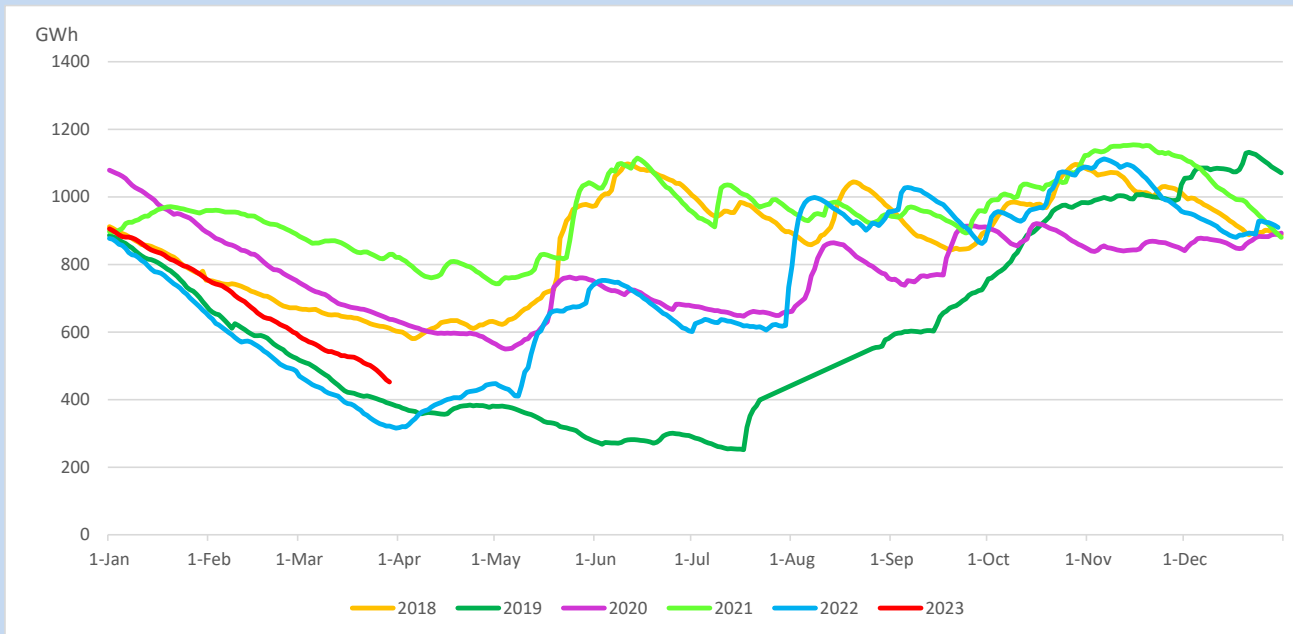
Reservoir Levels -

as at 06.00 Hr on March 31, 2023

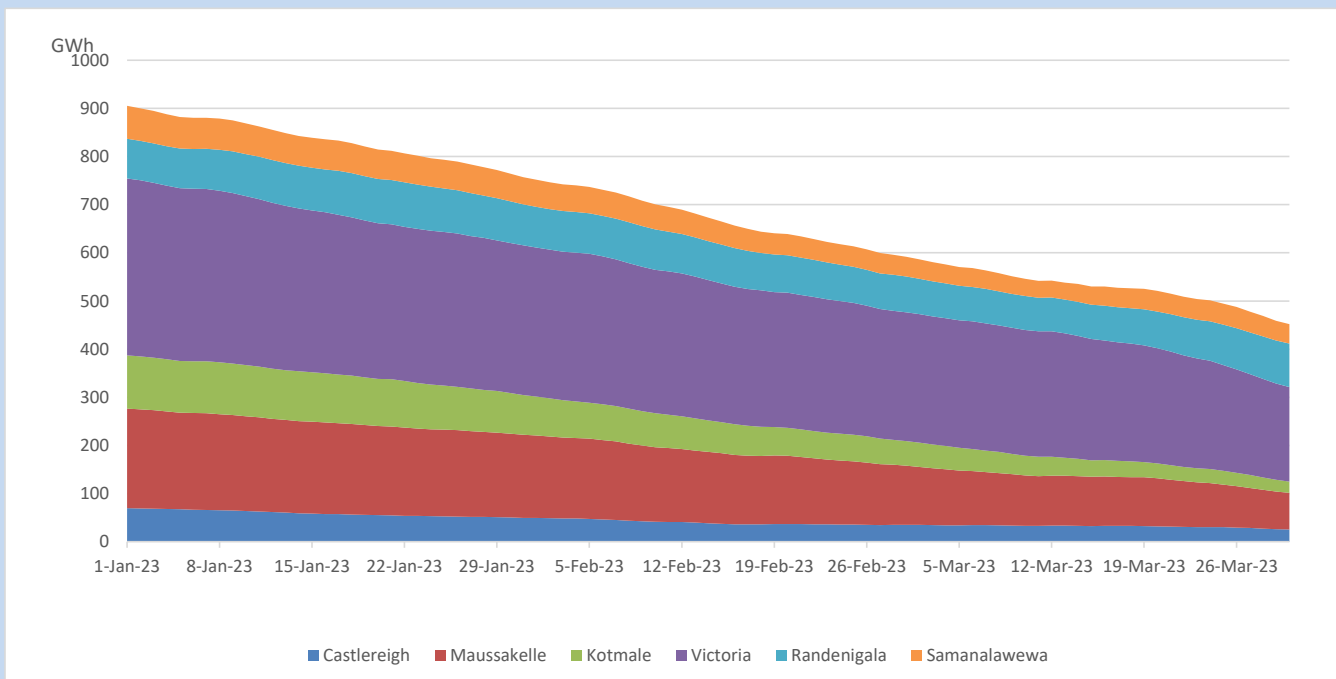


Total Reservoir Level	452.1 GWh
% of Total capacity	37.5%

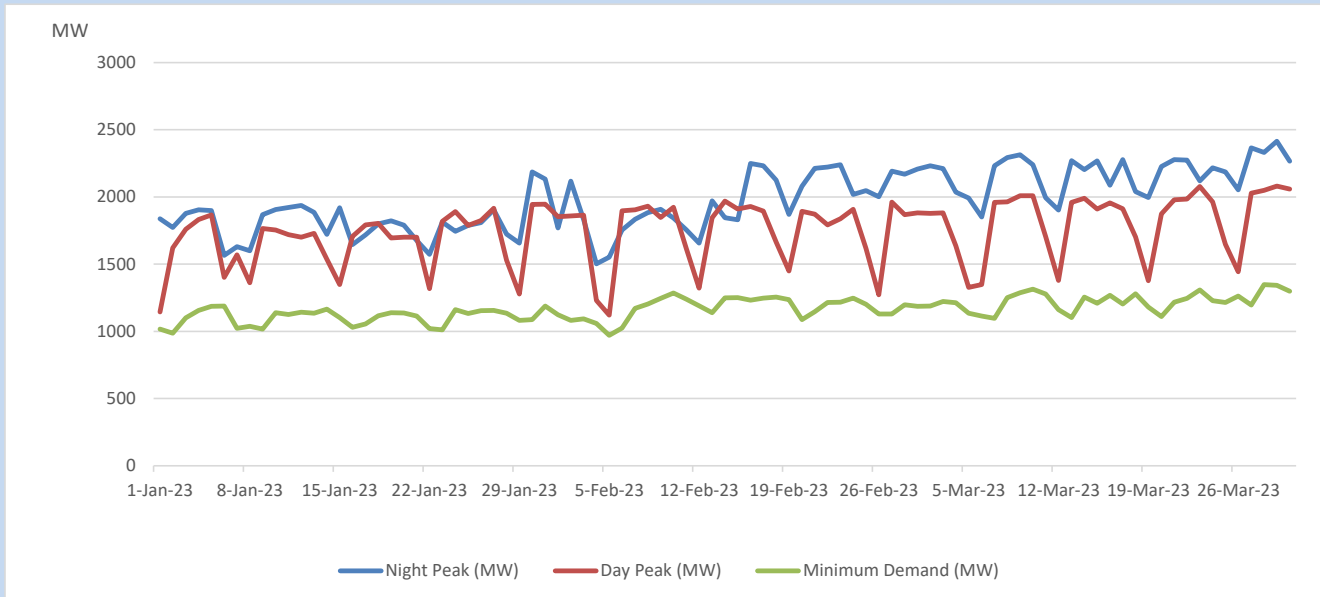
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

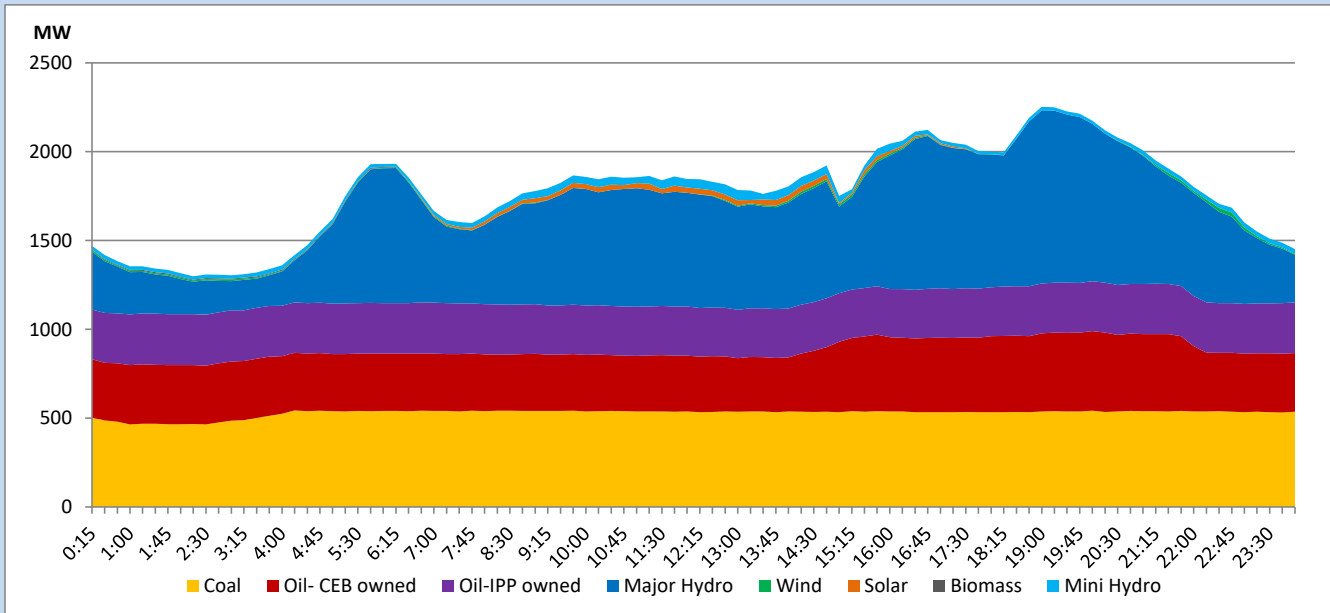


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

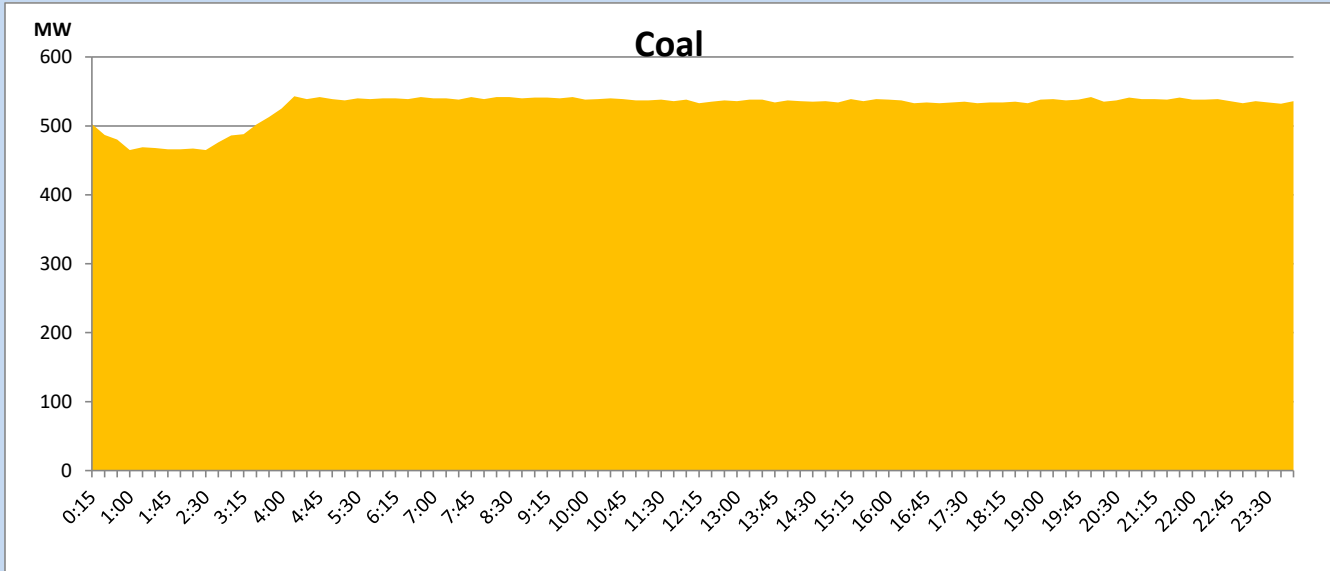
March 30, 2023

Solar and wind data is based on Telemetered Power Stations only



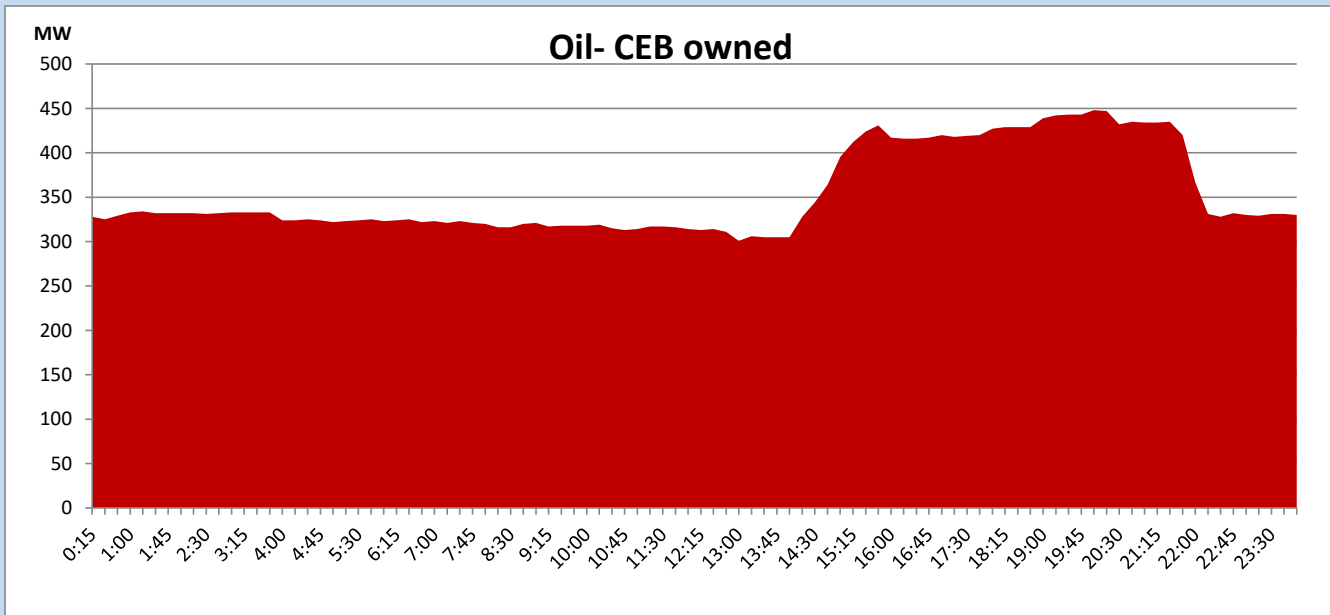
Coal Generation during

March 30, 2023



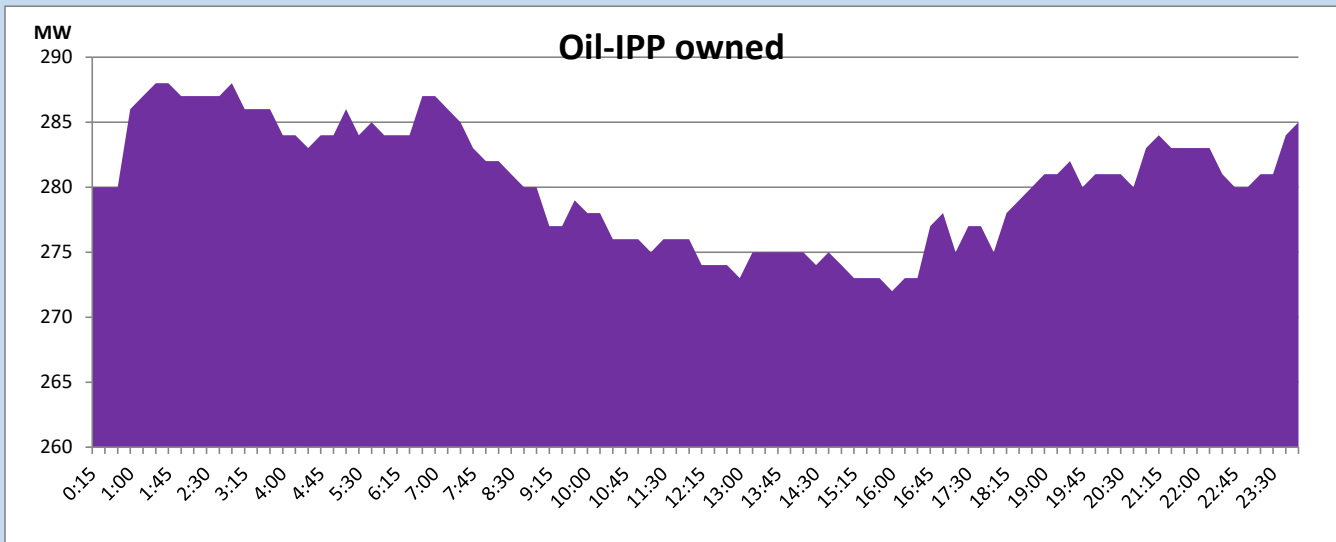
CEB Oil Plant Generation during

March 30, 2023



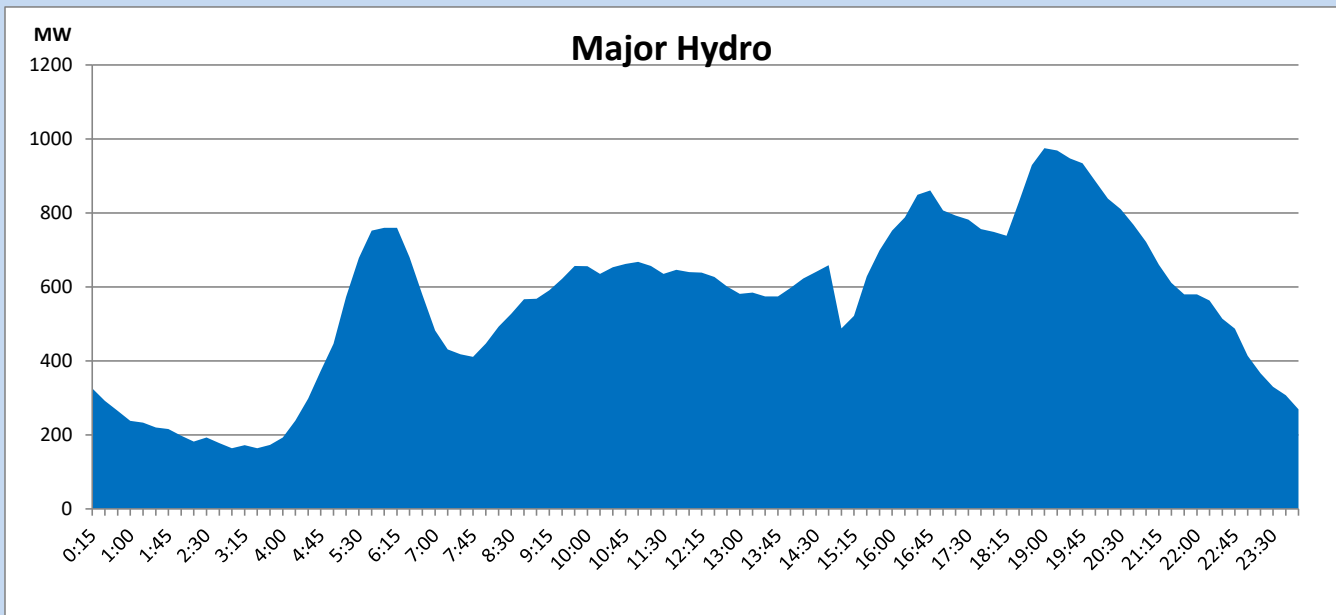
IPP Oil Plant Generation during

March 30, 2023



Major Hydro Generation during

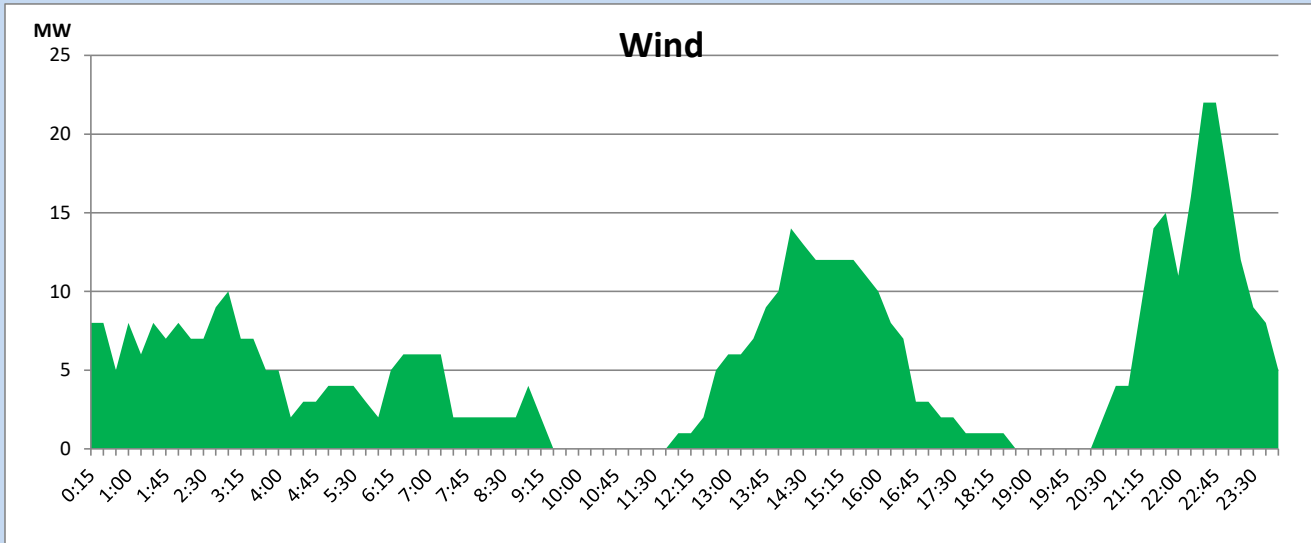
March 30, 2023



Wind Generation during

March 30, 2023

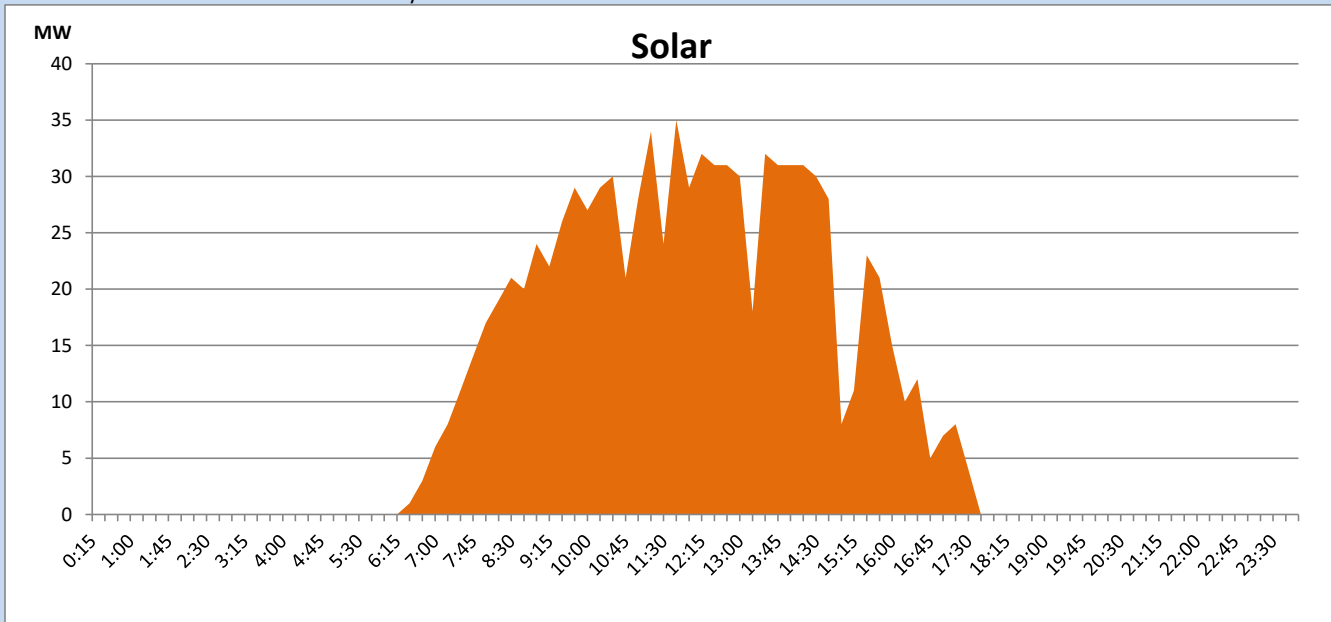
Based on Telemetered Power Stations only



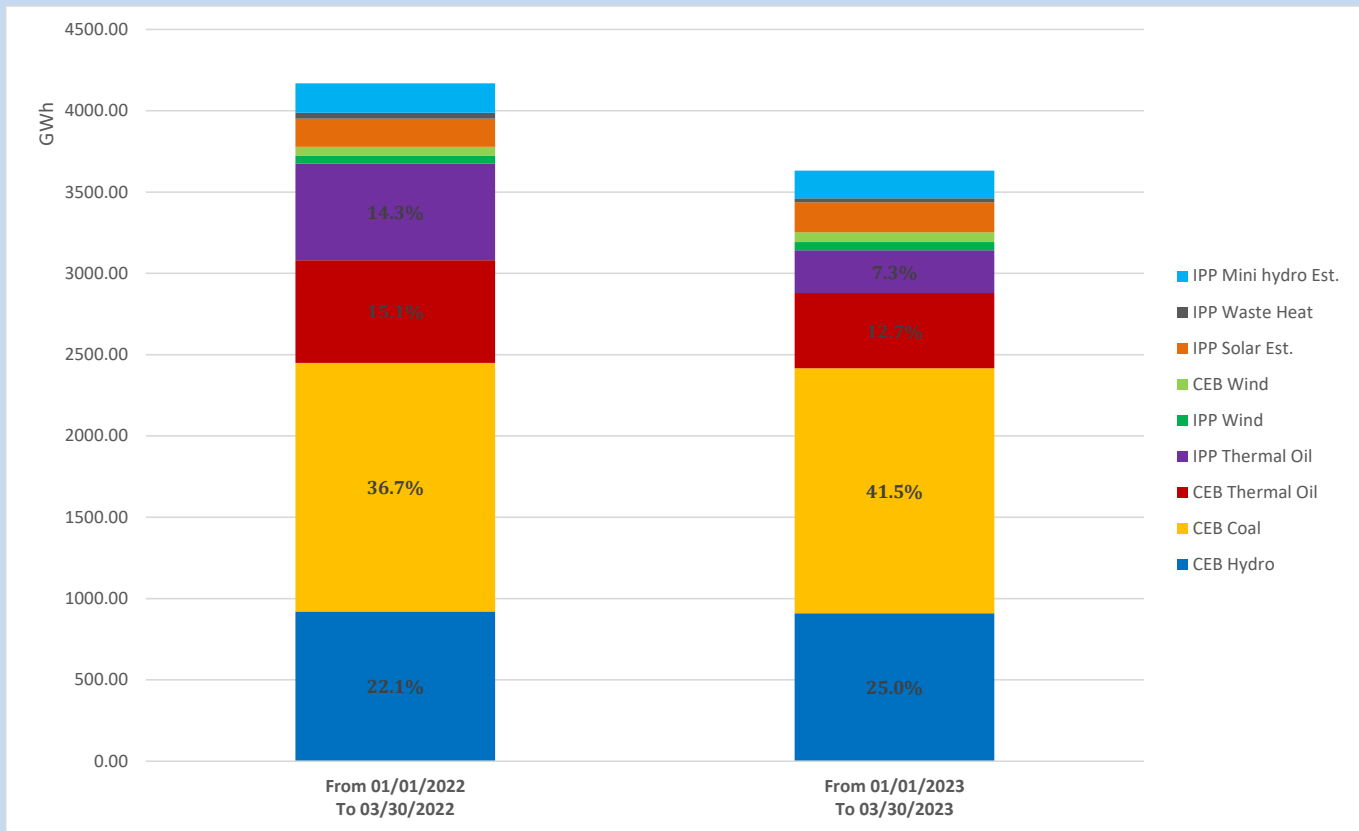
Solar Generation during

March 30, 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 30, 2023

- 1) N'Laxapana –Balangoda both ccts tripped from N'Laxapana end and tripped & A/R from Balangoda end at 14:49 hrs with the operation of distance protection, resulting in Hambanthota, Beliatta, Matara, Embilipitiya, Balangoda, Wewelwatte, Ratnapura, Deniyaya and New Galle(T/F 02 & 03) to be dead. S'wewa both generators also tripped at the same time rejecting 60MWx2 from the system. All GSS were energized by 15:04 hrs via Ambalangoda – New Galle ccts. S'wewa resumed generation by 15:19 hrs. N'Laxapana– Balangoda both ccts and all affected feeders were normalized by 15:25 hrs.
- 2) Polpitiya-Kosgama cct tripped & A/R from both ends at 17:03 hrs due to the operation of distance protection. At the same time, Broadlands-Seethawaka cct tripped & A/R from both ends due to the operation of distance protection.
- 3) LVPS Unit 03 synchronized at 3:44 hrs(31.03.2023) and currently in starting sequence.