

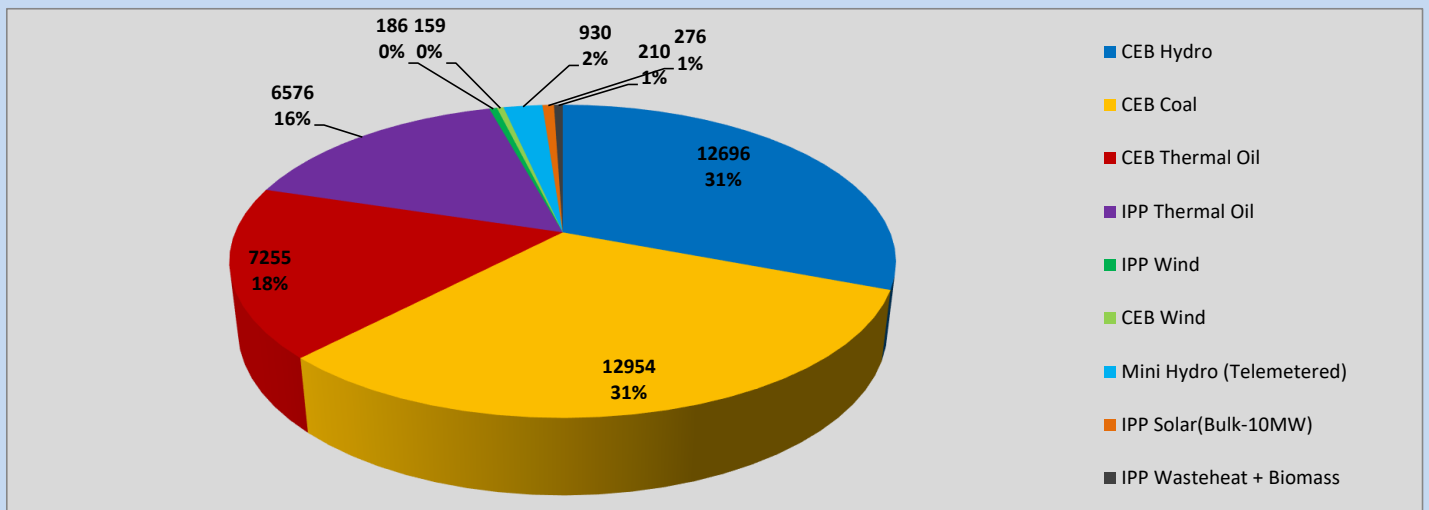
# Generation and Reservoirs Statistics

March 21, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

41,242 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 380 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

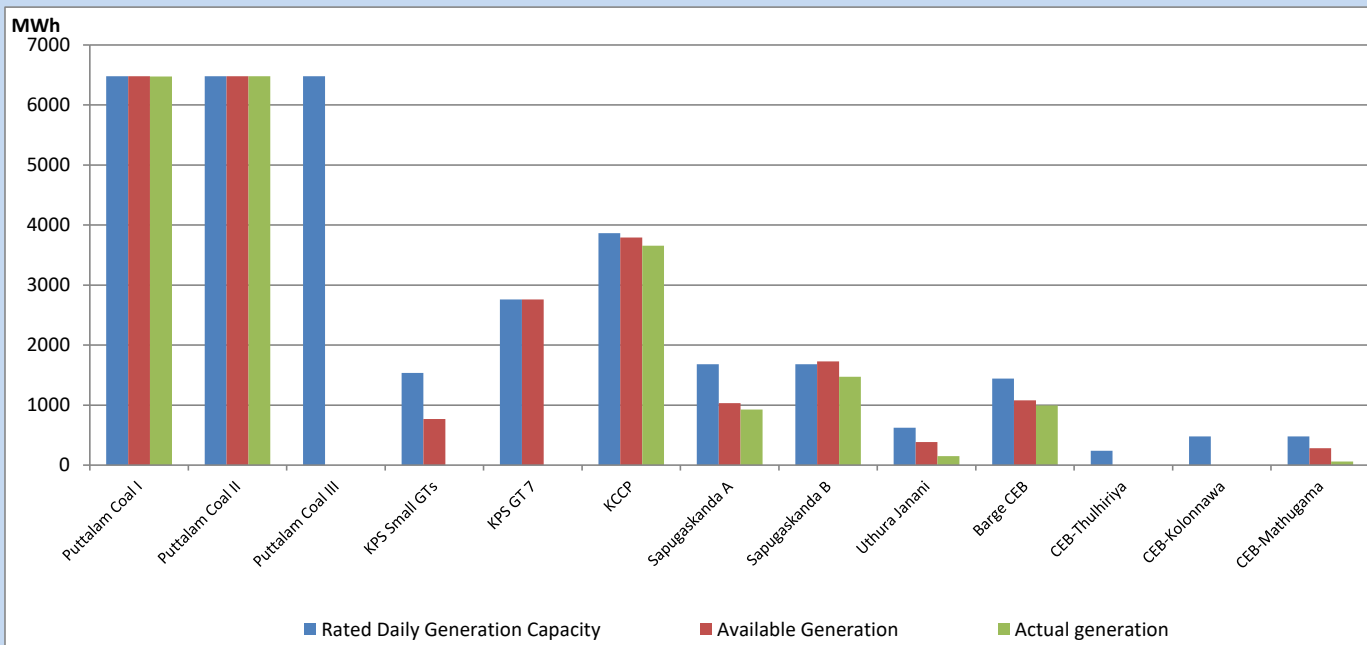
Category	Dispatch (GWh)	
CEB Hydro	186	22.52%
CEB Coal	389	47.19%
CEB Thermal Oil	118	14.33%
IPP Thermal	78	9.49%
SPP Wind	11	1.38%
CEB Wind	14	1.72%
Mini Hydro (Telemetered)	16	1.96%
IPP Solar(Bulk-10MW)	6	0.68%
IPP Wasteheat + BMP	6	0.74%
<b>Total</b>	<b>824</b>	

### For Current Year

Category	Dispatch (GWh)	
CEB Hydro	787	26.23%
CEB Coal	1,393	46.44%
CEB Thermal Oil	395	13.17%
IPP Thermal	209	6.97%
SPP Wind	49	1.65%
CEB Wind	59	1.95%
Mini Hydro (Telemetered)	62	2.07%
IPP Solar(Bulk-10MW)	22	0.74%
IPP Wasteheat	23	0.77%
<b>Total</b>	<b>3,000</b>	

## CEB owned Thermal Plant Dispatch

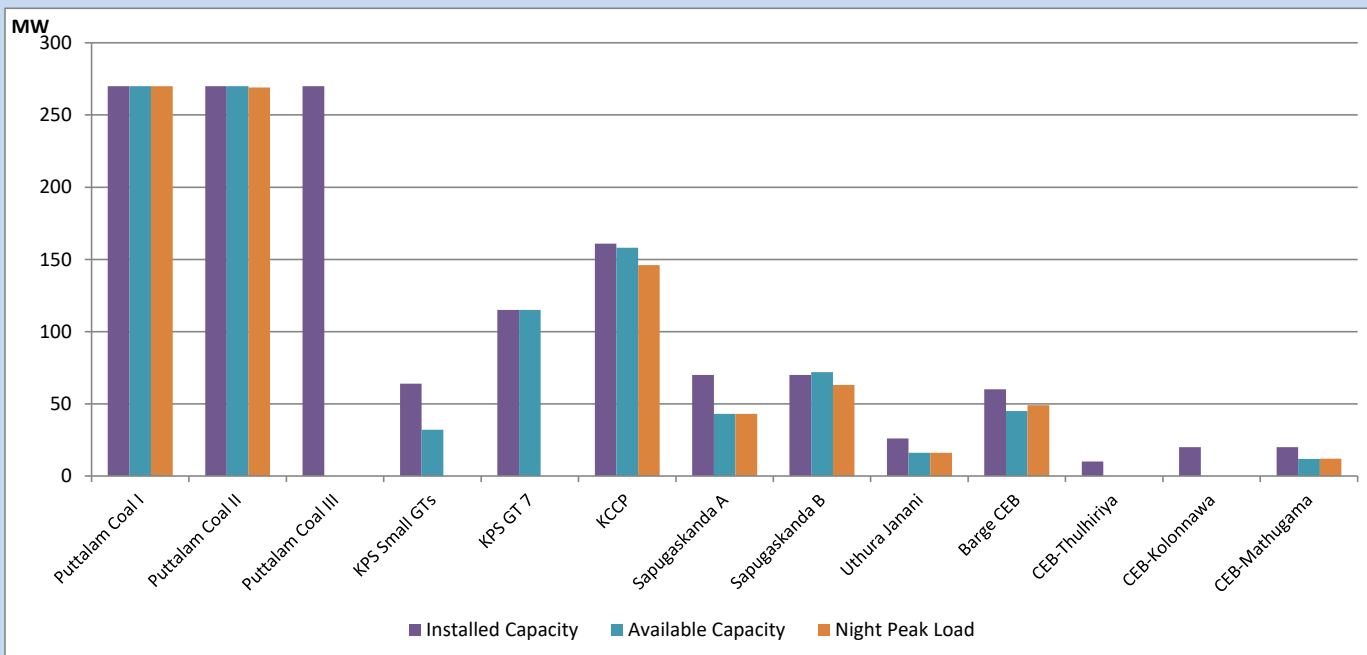
March 21, 2023



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

March 22, 2023

## CEB owned Thermal Plant Loading at the Night Peak

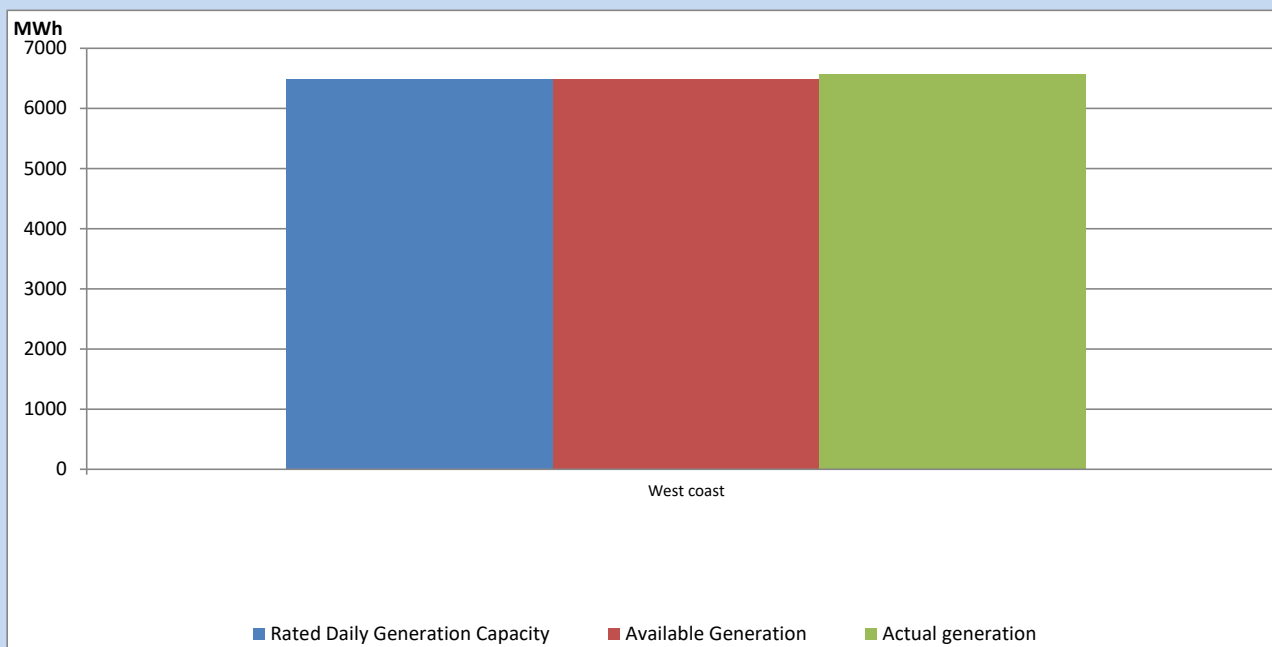


Note- Plant availability is recorded at 6.00 am on

March 22, 2023

## IPP owned Thermal Plant Dispatch

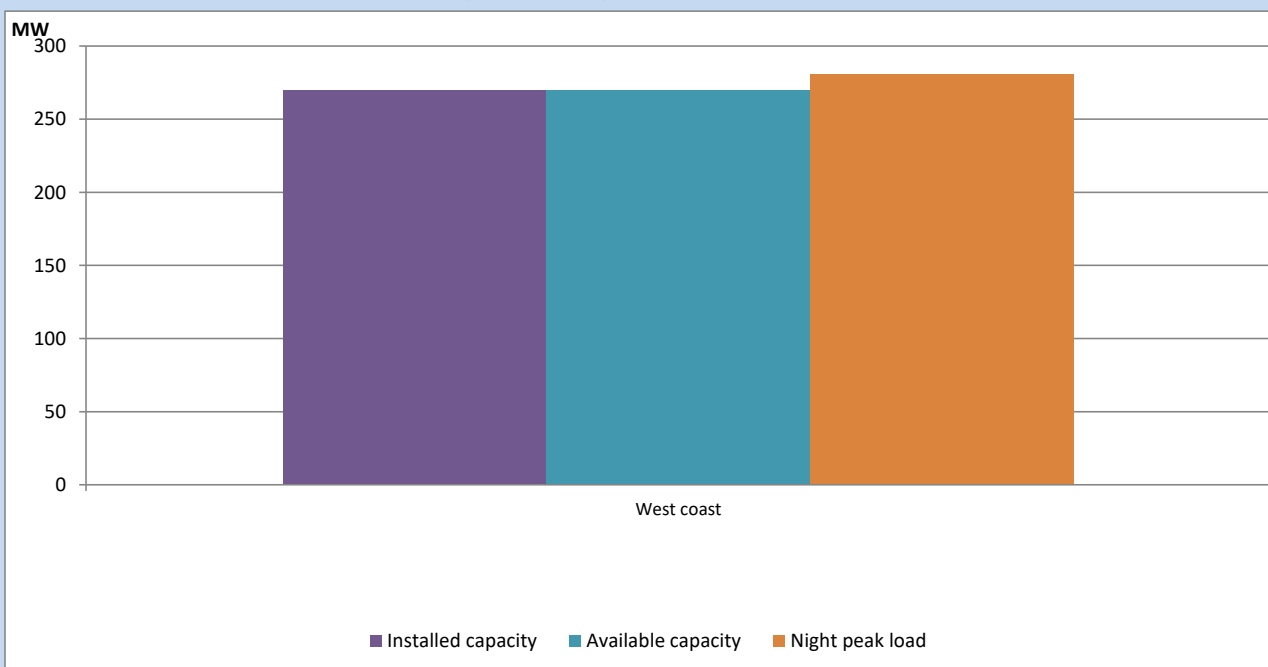
March 21, 2023



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

March 22, 2023

## IPP owned Thermal Plant Loading at the Night Peak

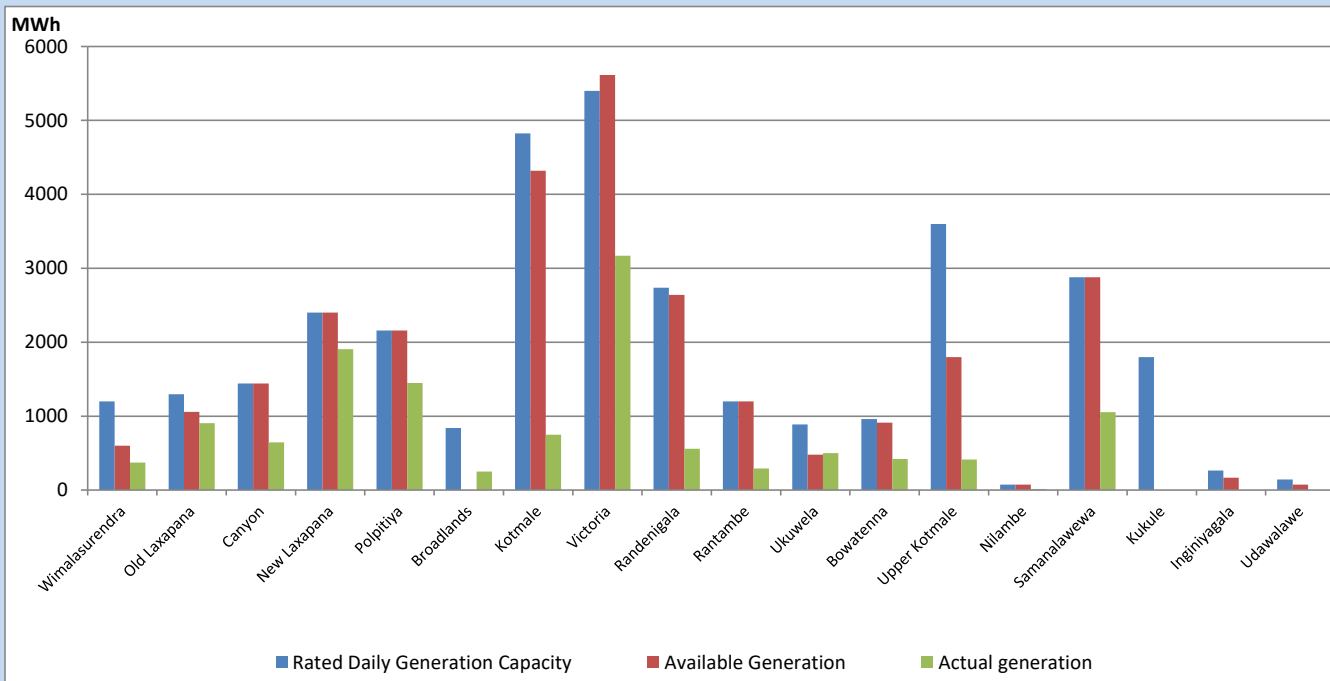


Note- Plant availability is recorded at 6.00 am on

March 22, 2023

## Major Hydro Plant Dispatch

March 21, 2023

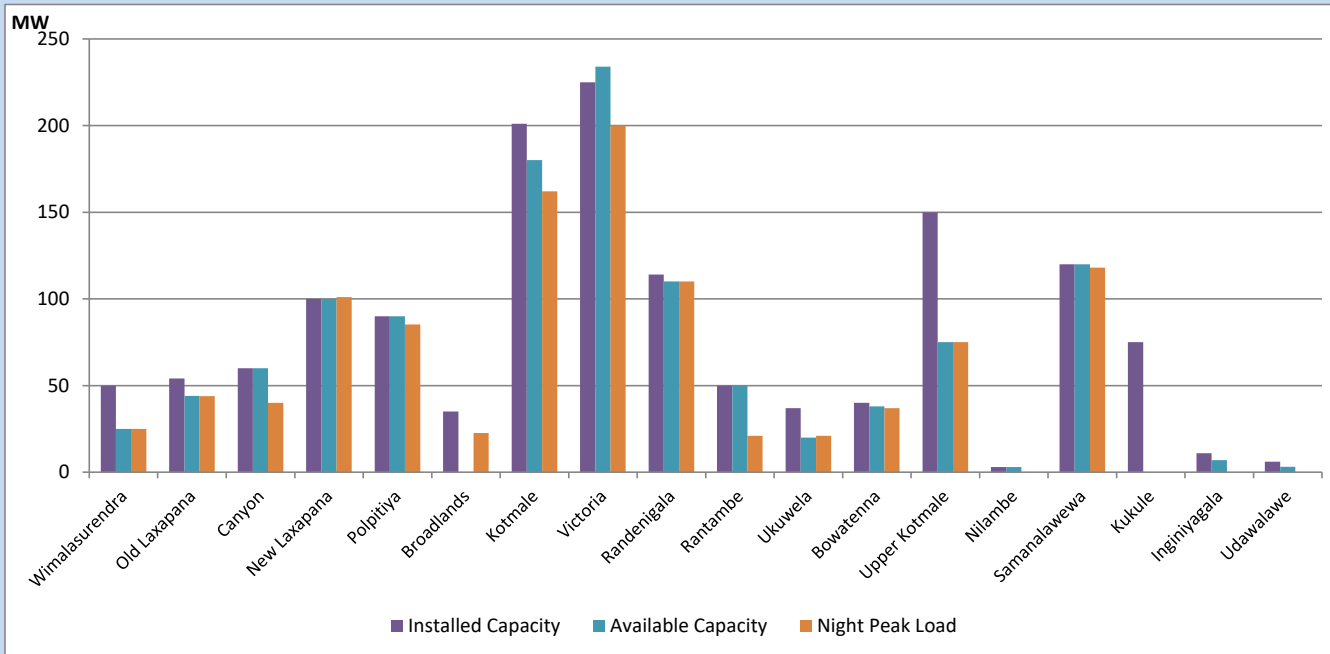


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 22, 2023

## Major Hydro Plant Loading at Night Peak

March 21, 2023



Note- Plant availability is recorded at 6.00 am on

March 22, 2023

Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

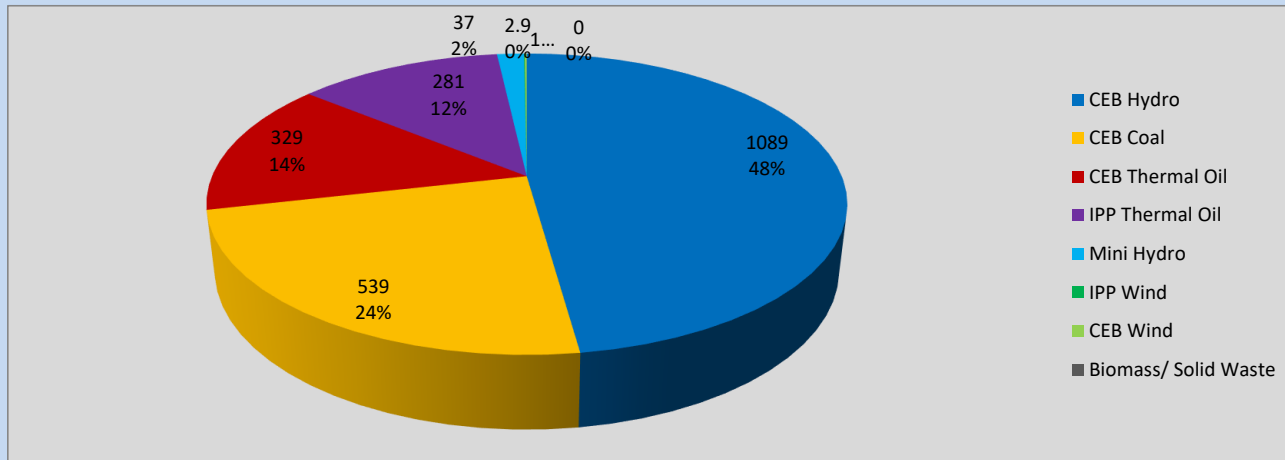
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	371
Old Laxapana	54	44	44	906
Canyon	60	60	40	646
New Laxapana	100	100	101	1,906
Polpitiya	90	90	85	1,449
Broadlands	35	0	23	250
Kotmale	201	180	162	750
Victoria	225	234	200	3,168
Randenigala	114	110	110	559
Rantambe	50	50	21	291
Ukuwela	37	20	21	500
Bowatenna	40	38	37	419
Upper Kotmale	150	75	75	412
Nilambe	3	3	0	15
Samanalawewa	120	120	118	1,054
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	270	6,474
Puttalam Coal II	270	270	269	6,480
Puttalam Coal III	270	0	0	0
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	146	3,655
Sapugaskanda A	70	43	43	927
Sapugaskanda B	70	72	63	1,471
Uthura Janani	26	16	16	148
Barge CEB	60	45	49	994
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	12	12	60
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	281	6,576
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,462</b>	<b>2,252</b>	<b>41,242</b>

Plant availability is the availability recorded at 6 am on

March 22, 2023

## Contribution to the Night Peak in MW

March 21, 2023

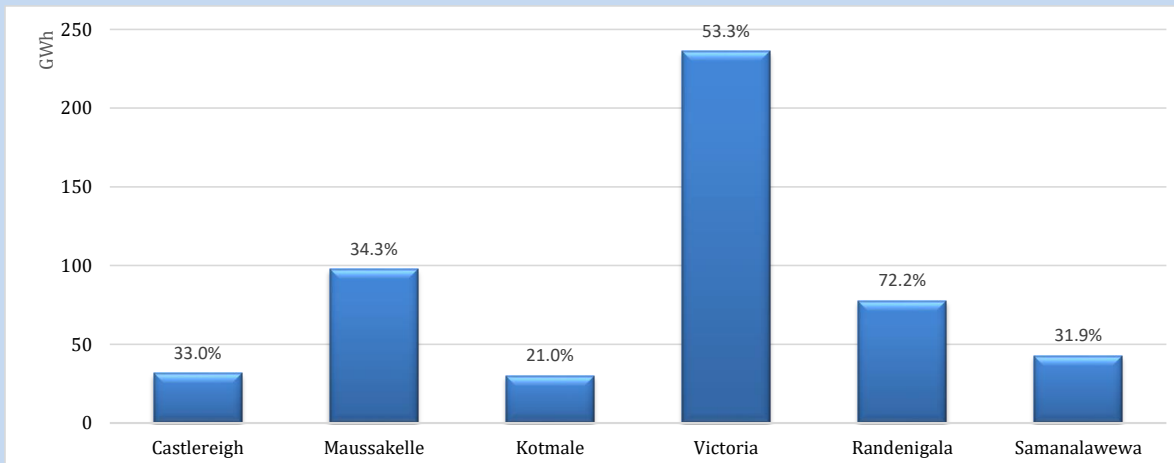


Night Peak*	2,279 MW
Day Peak	1,979 MW
Minimum Demand	1,217 MW

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

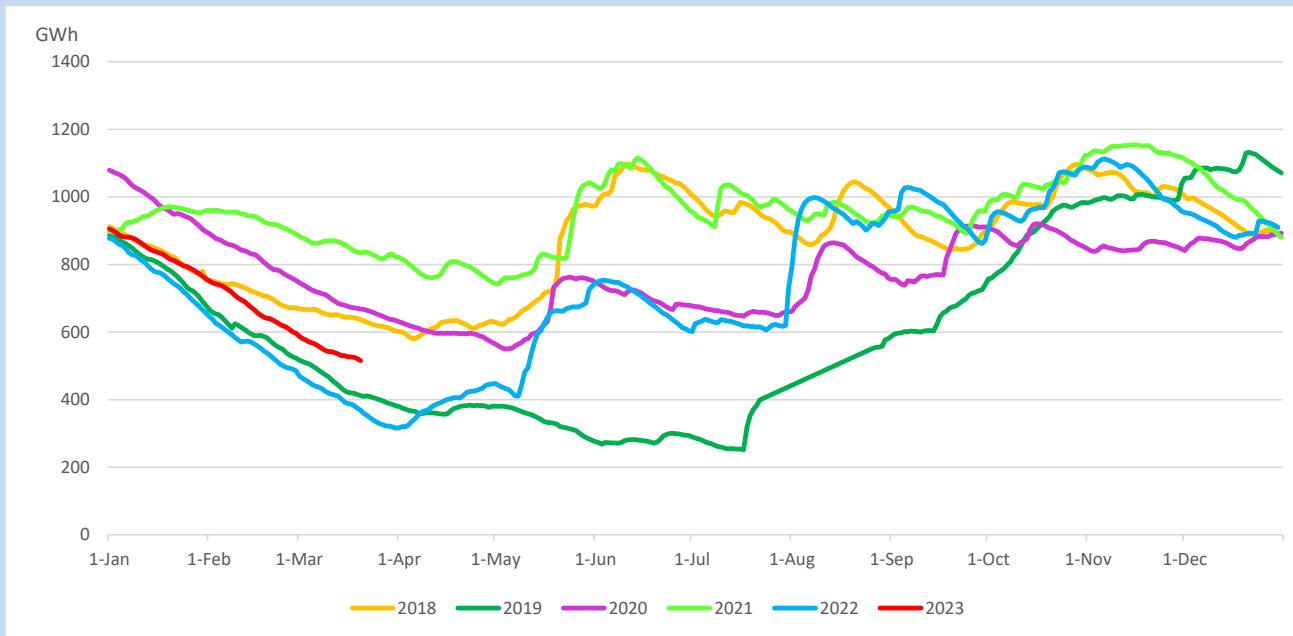
## Reservoir Levels -

as at 06.00 Hr on March 22, 2023

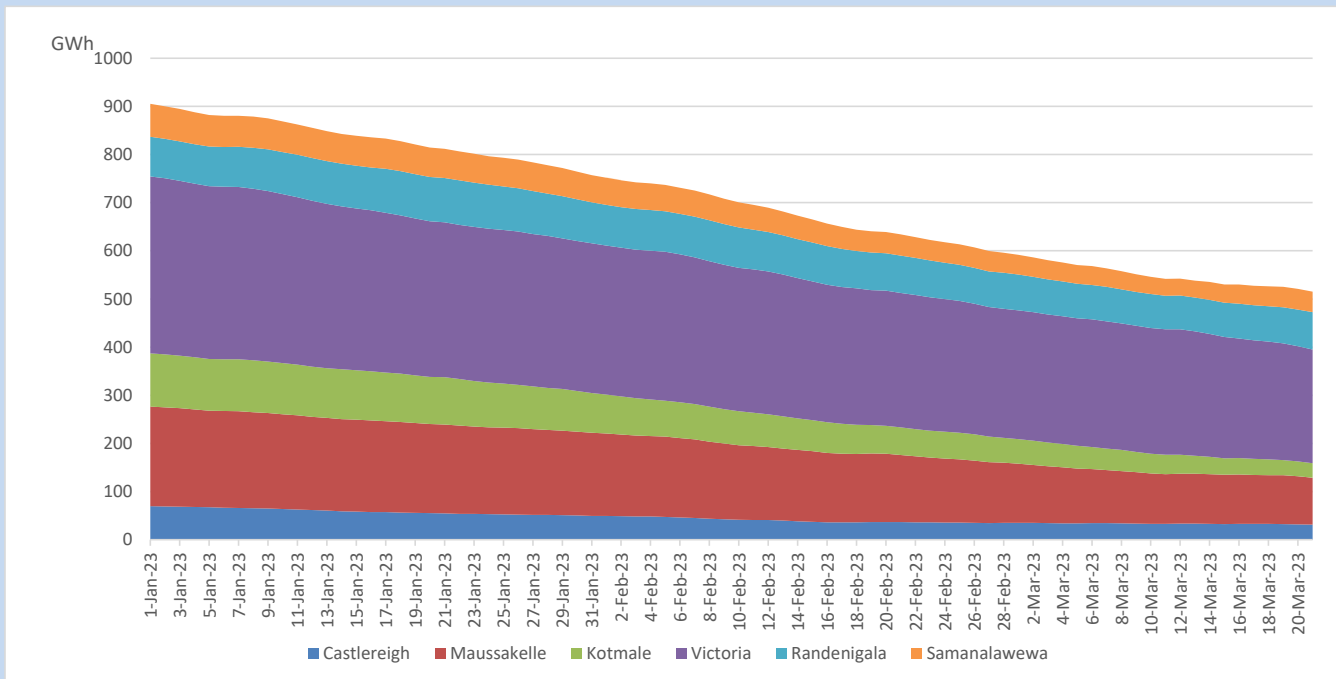


Total Reservoir Level	515.3 GWh
% of Total capacity	42.7%

## Comparison of Total Reservoir Storage Levels with Past Years

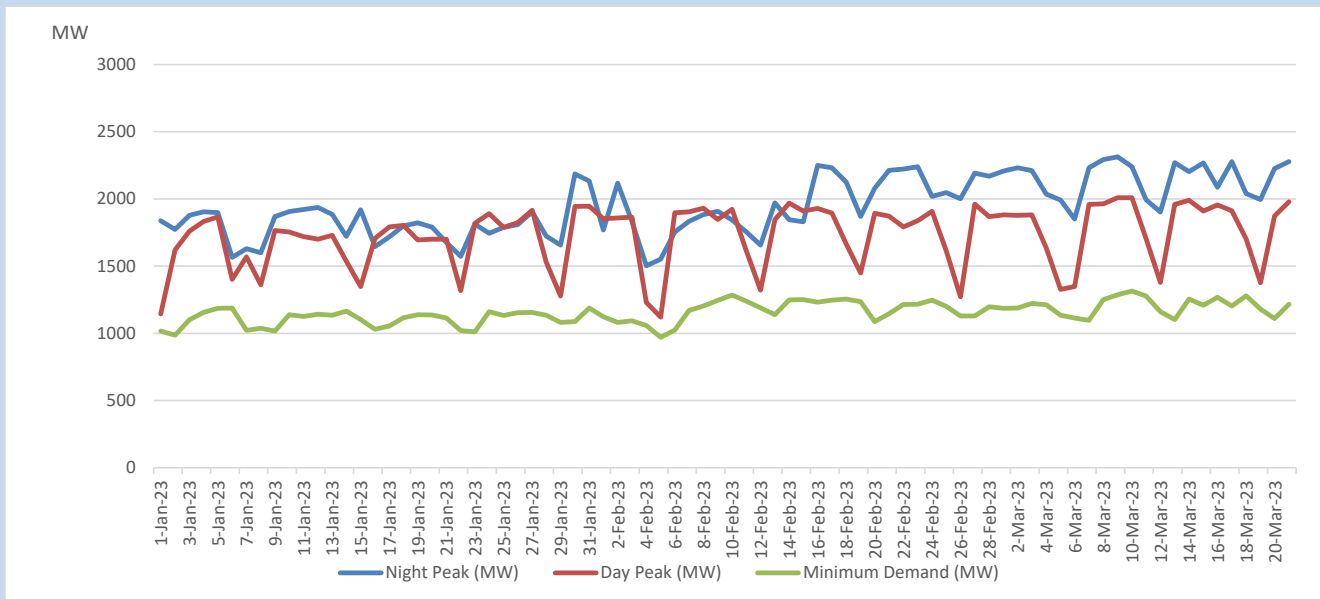


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

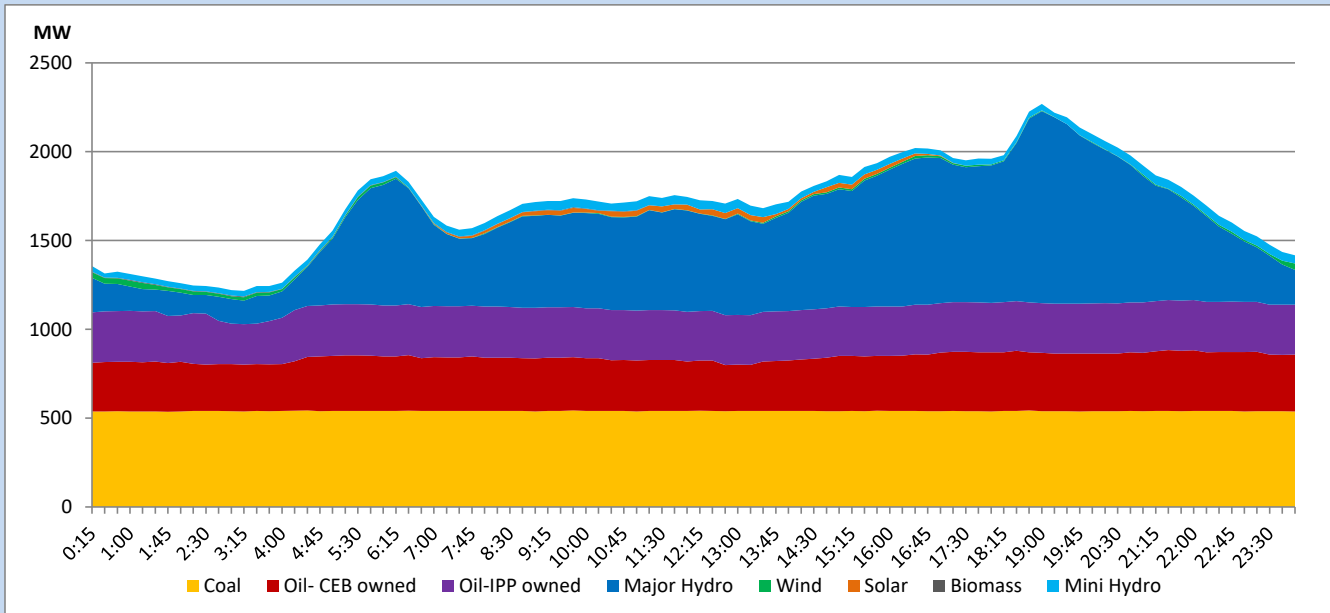


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

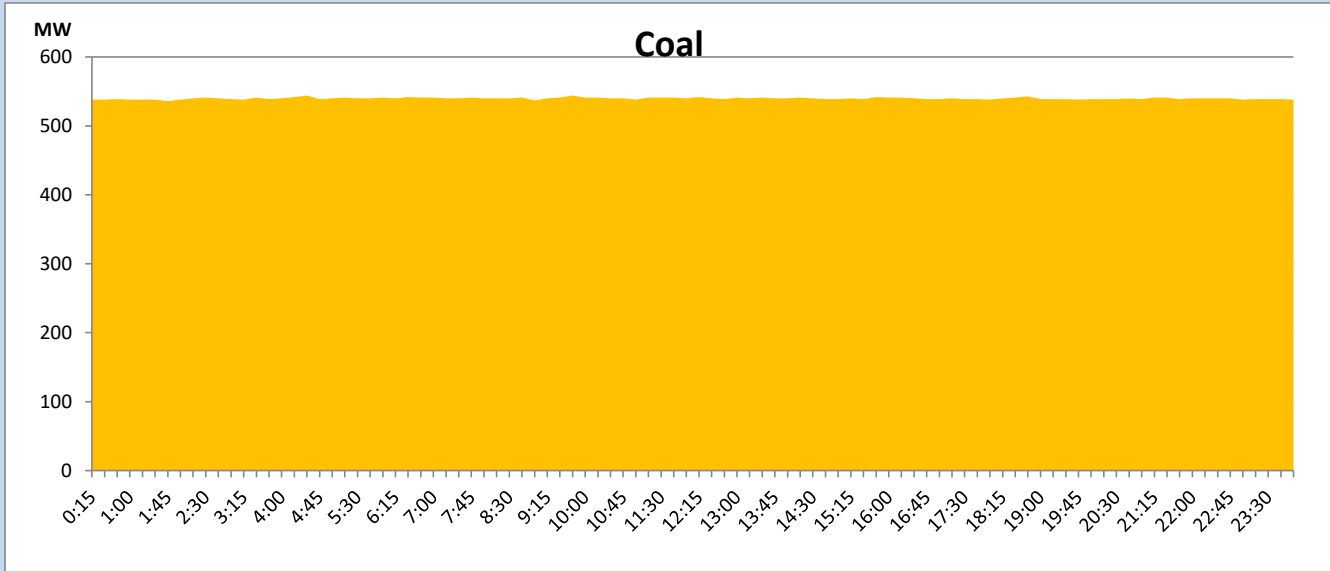
March 21, 2023

Solar and wind data is based on Telemetered Power Stations only



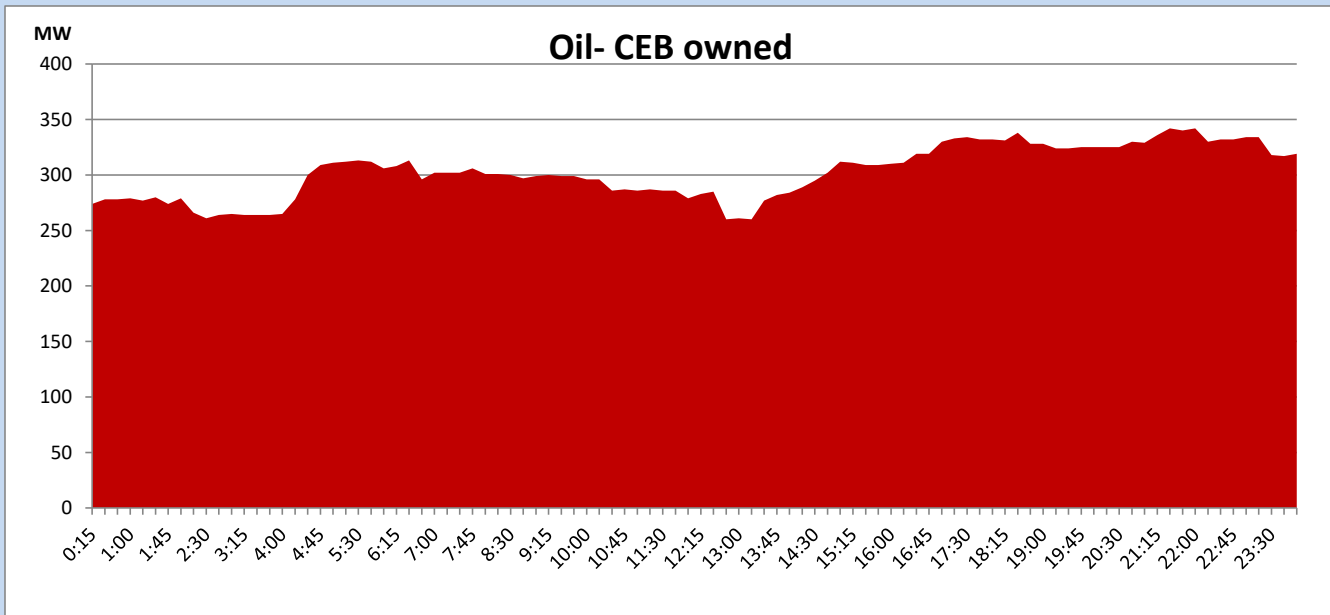
## Coal Generation during

March 21, 2023



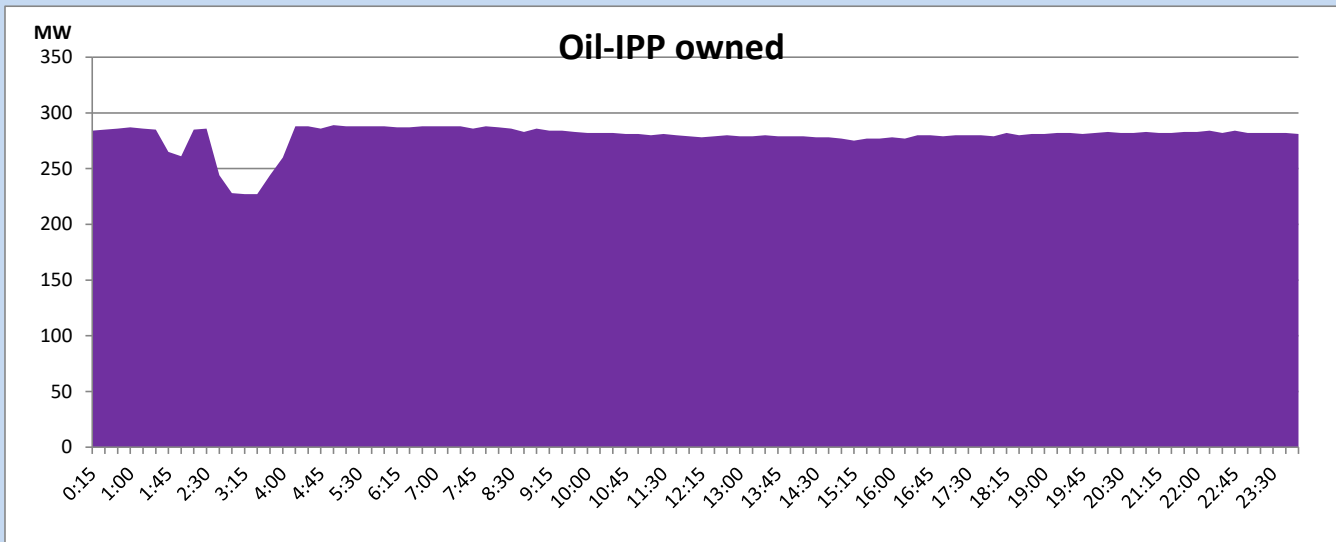
## CEB Oil Plant Generation during

March 21, 2023



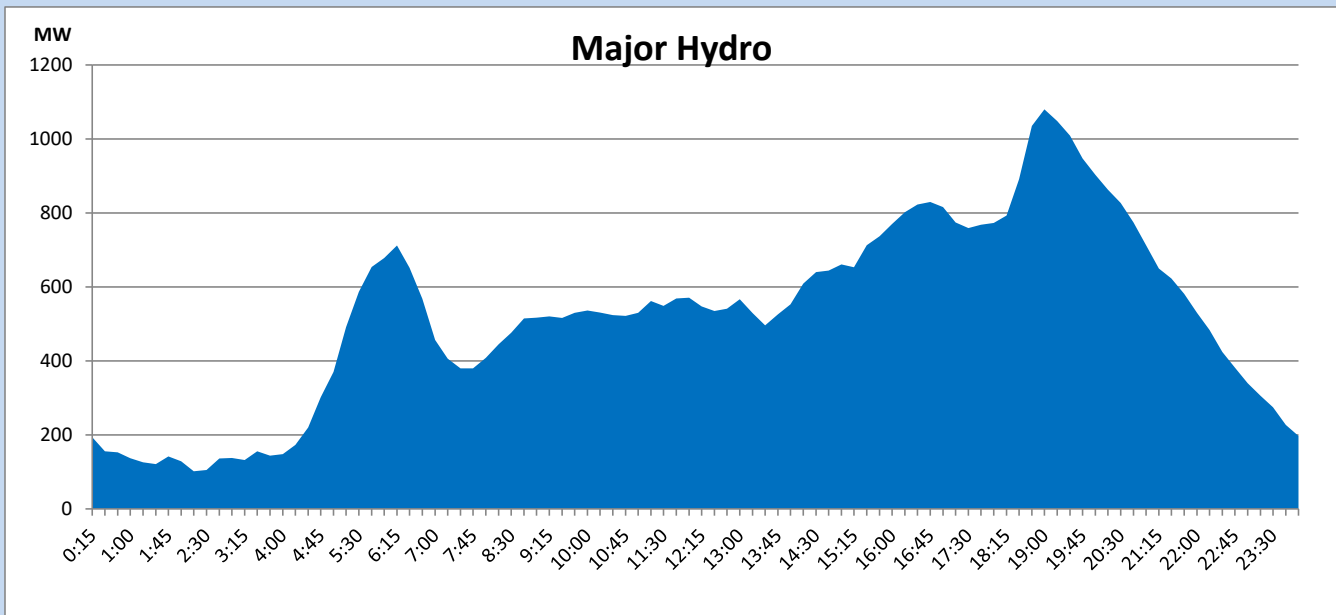
## IPP Oil Plant Generation during

March 21, 2023



## Major Hydro Generation during

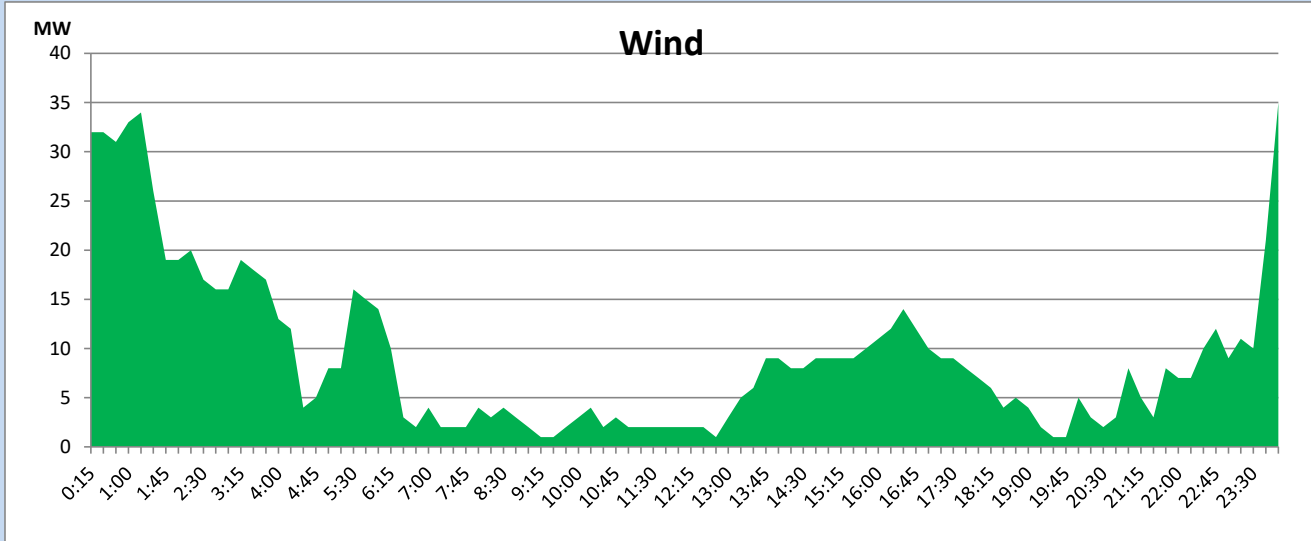
March 21, 2023



## Wind Generation during

March 21, 2023

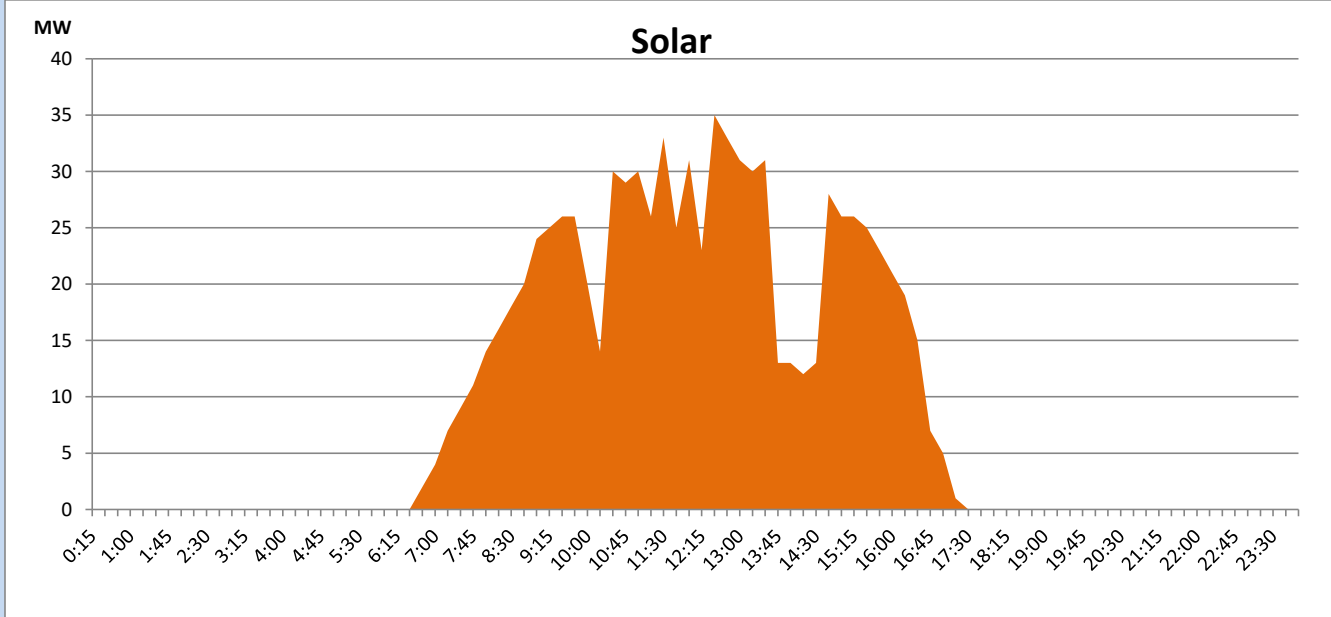
Based on Telemetered Power Stations only



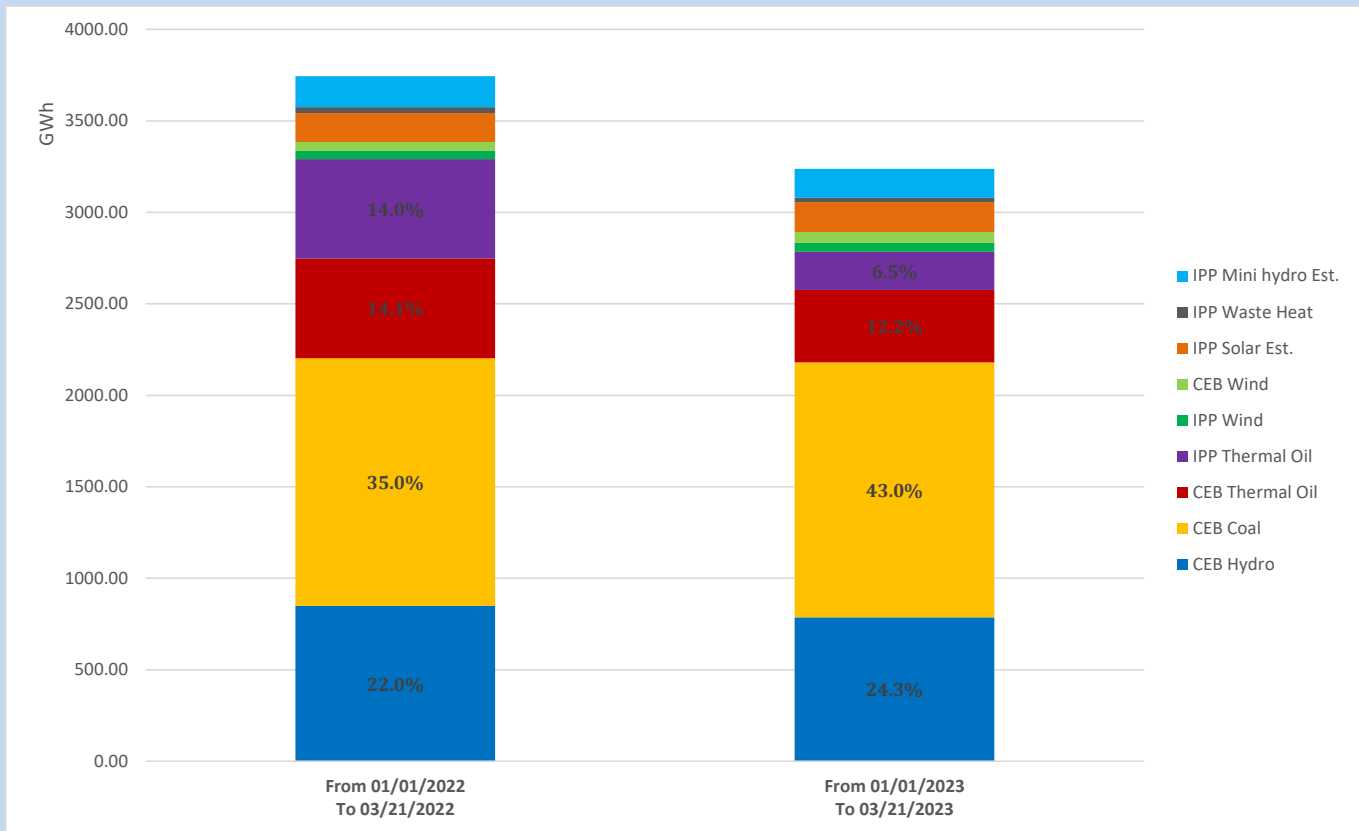
## Solar Generation during

March 21, 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 21, 2023

- 1) Victoria Unit 03 which tripped at 5:18hrs, resumed generation at 7:15hrs.
- 2) Old Laxapana – WPS GSS 132kV cct 02 tripped from both ends at 18:55hrs due to the operation of distance protection. The cct was restored at 19:38hrs.