

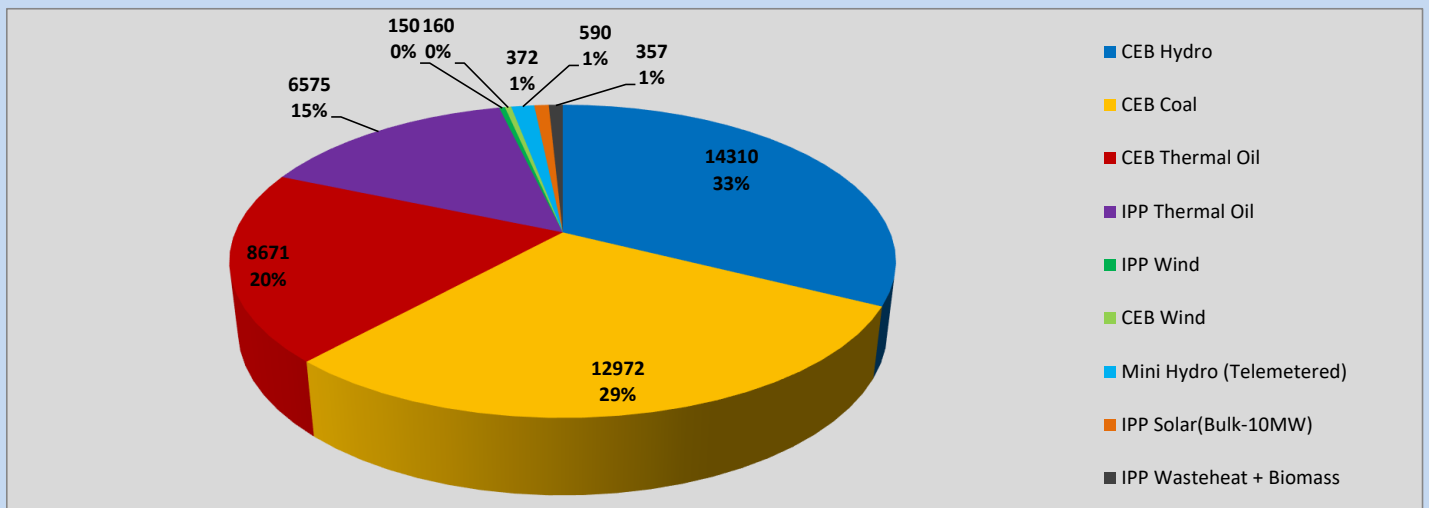
# Generation and Reservoirs Statistics

March 29, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =



**44,157 MWh**

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh  
 Estimated Mini Hydro (Non telemetered) = 720 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

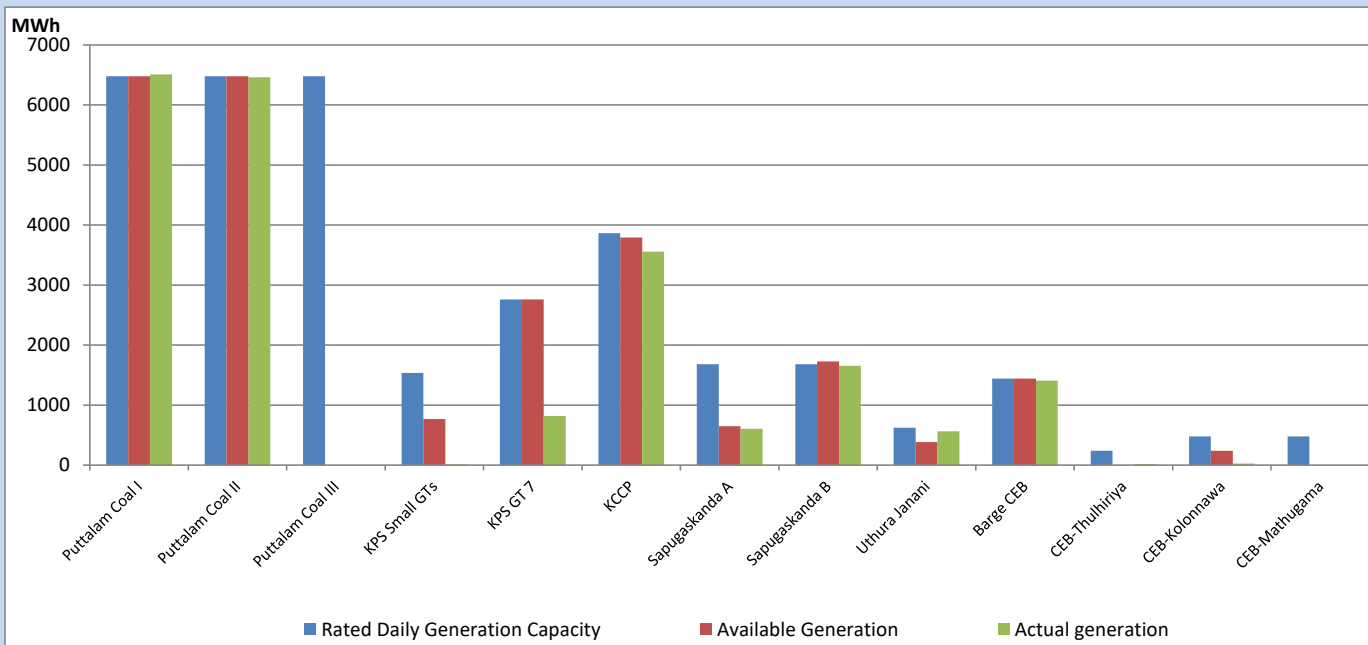
Category	Dispatch (GWh)	
CEB Hydro	295	25.54%
CEB Coal	489	42.42%
CEB Thermal Oil	177	15.34%
IPP Thermal	126	10.92%
SPP Wind	13	1.08%
CEB Wind	16	1.35%
Mini Hydro (Telemetered)	22	1.88%
IPP Solar(Bulk-10MW)	8	0.72%
IPP Wasteheat + BMP	9	0.75%
<b>Total</b>	<b>1,153</b>	

### For Current Year

Category	Dispatch (GWh)	
CEB Hydro	896	26.91%
CEB Coal	1,494	44.86%
CEB Thermal Oil	454	13.64%
IPP Thermal	257	7.72%
SPP Wind	51	1.52%
CEB Wind	60	1.80%
Mini Hydro (Telemetered)	68	2.03%
IPP Solar(Bulk-10MW)	25	0.75%
IPP Wasteheat	26	0.77%
<b>Total</b>	<b>3,330</b>	

## CEB owned Thermal Plant Dispatch

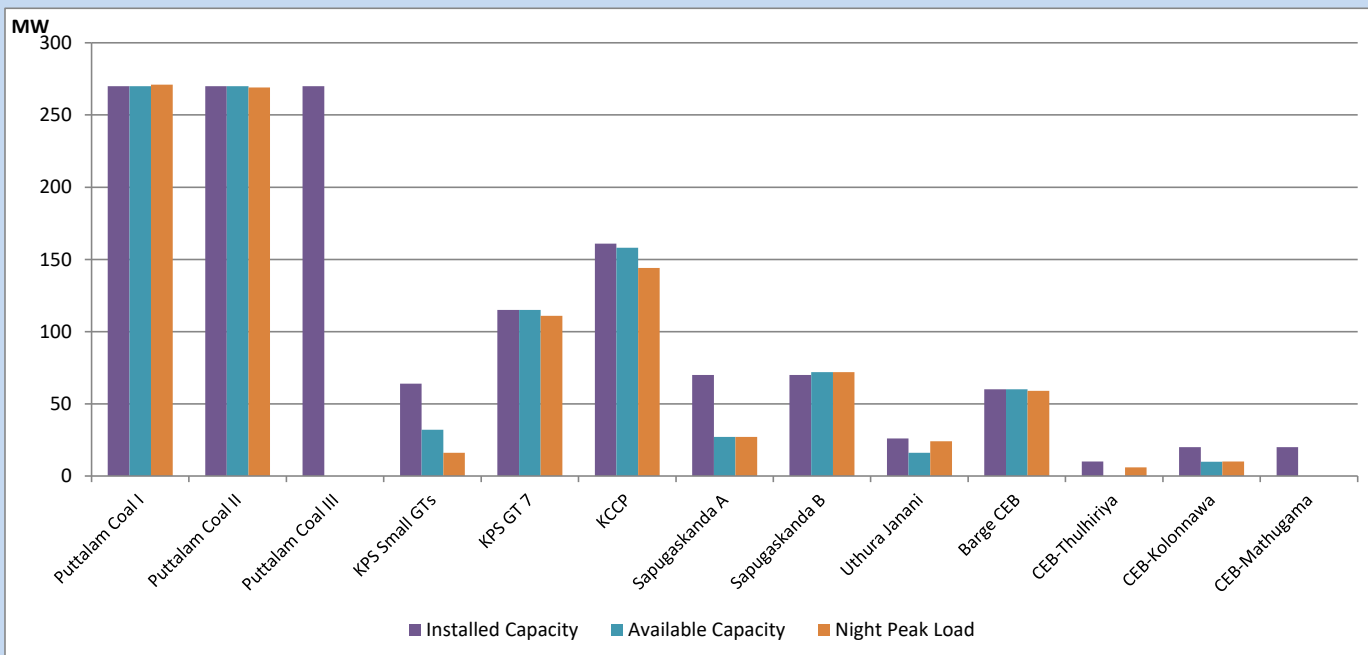
March 29, 2023



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

March 30, 2023

## CEB owned Thermal Plant Loading at the Night Peak

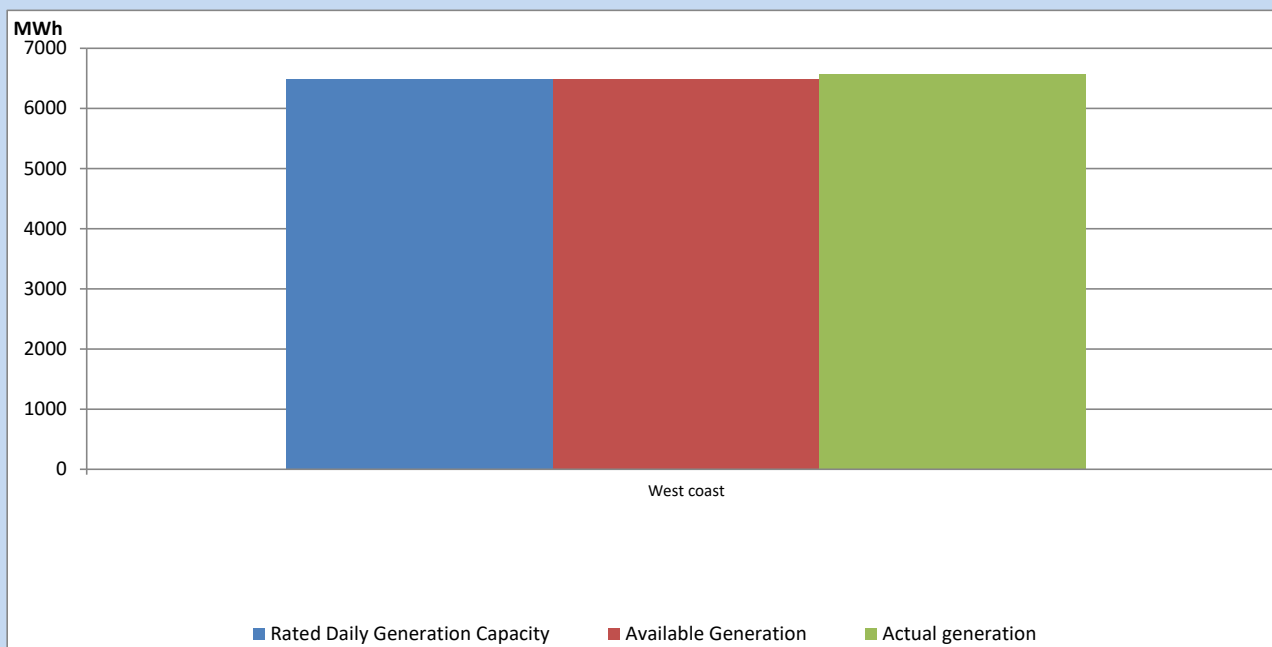


Note- Plant availability is recorded at 6.00 am on

March 30, 2023

## IPP owned Thermal Plant Dispatch

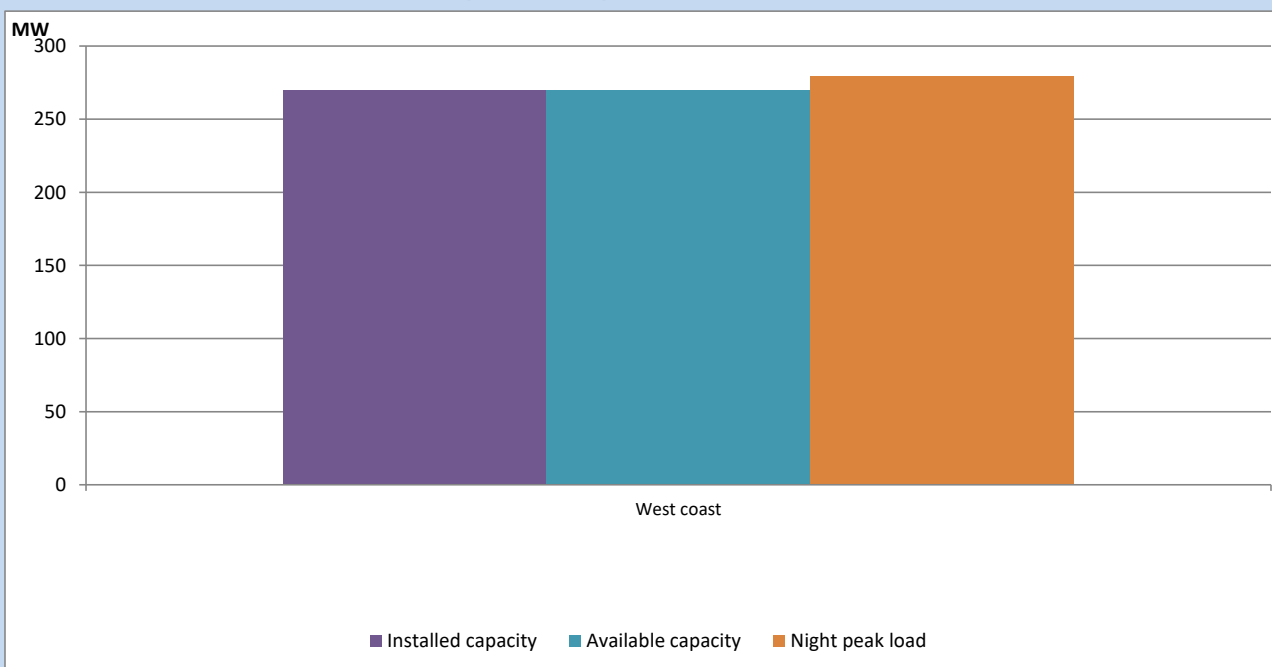
March 29, 2023



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

March 30, 2023

## IPP owned Thermal Plant Loading at the Night Peak

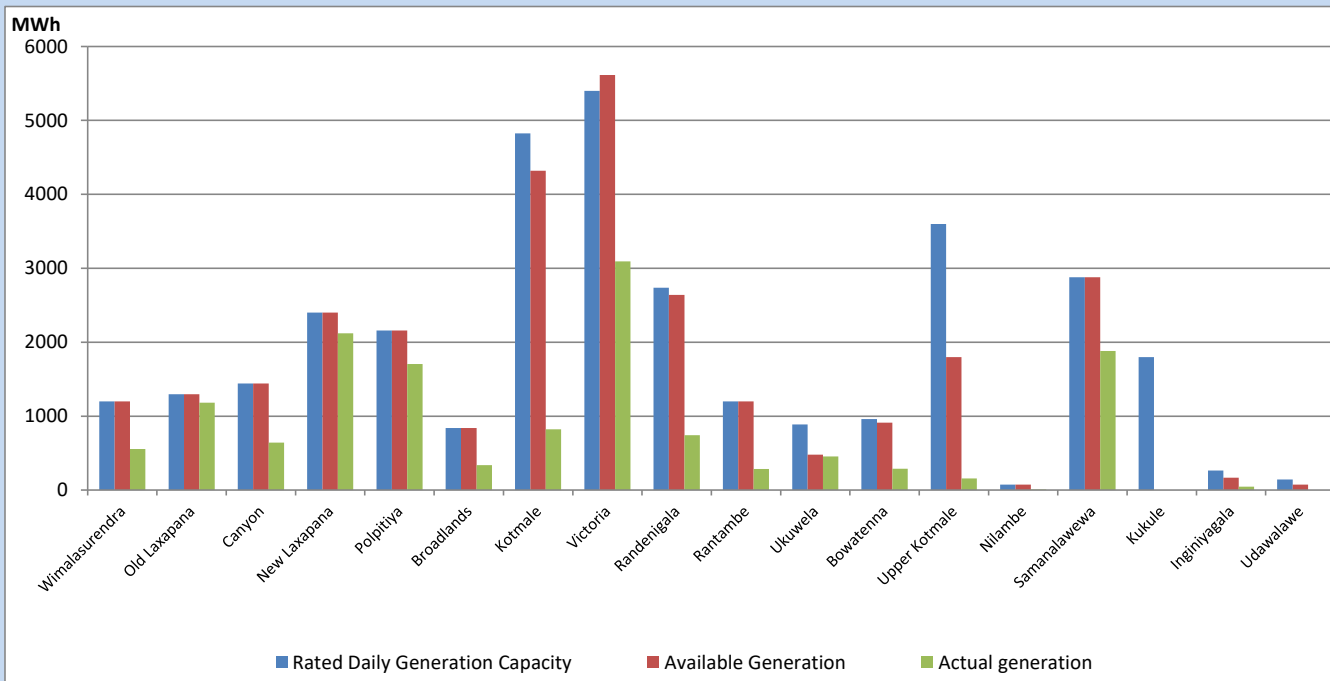


Note- Plant availability is recorded at 6.00 am on

March 30, 2023

## Major Hydro Plant Dispatch

March 29, 2023

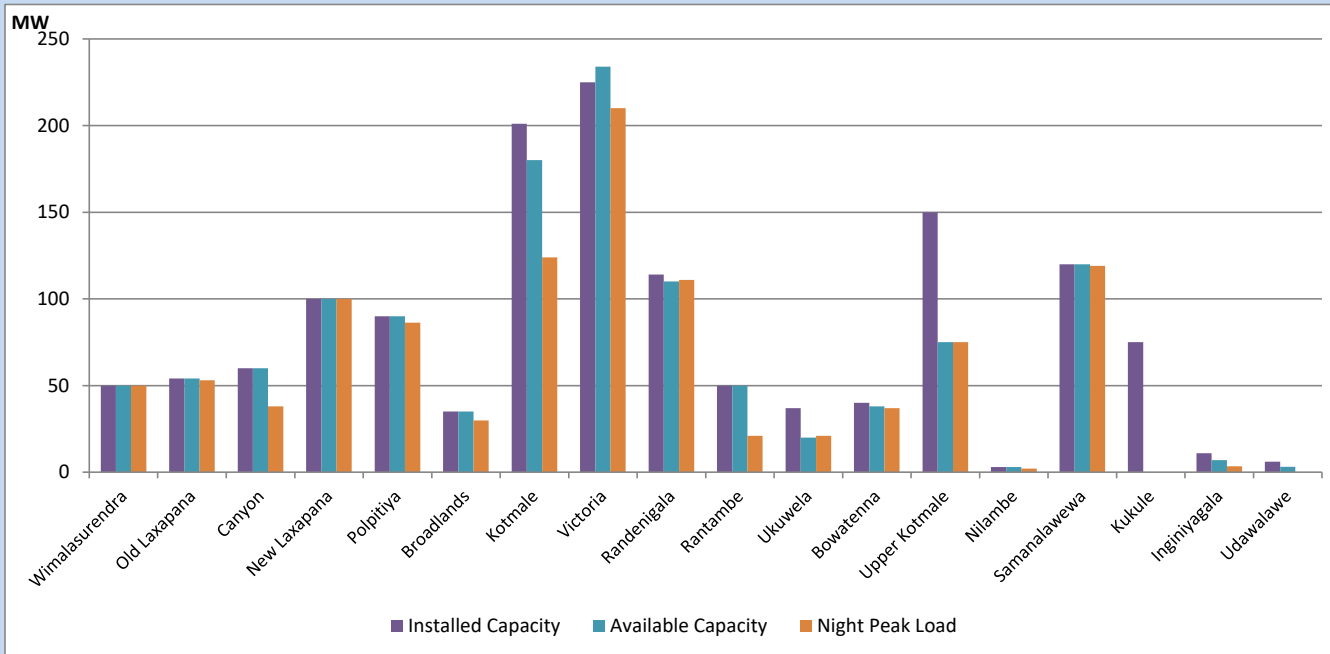


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 30, 2023

## Major Hydro Plant Loading at Night Peak

March 29, 2023



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

March 30, 2023

## Summary of Major Plant performance

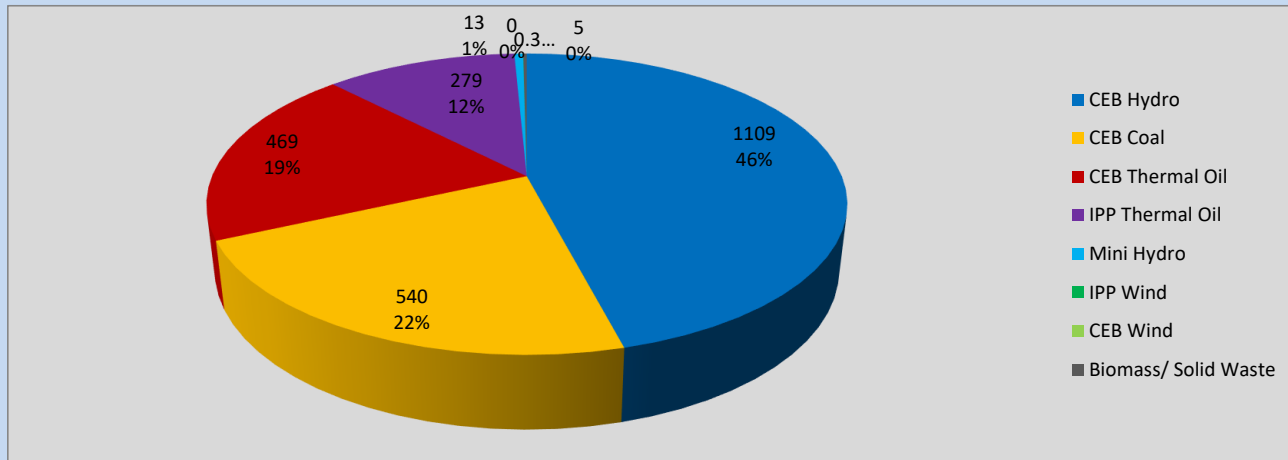
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	554
Old Laxapana	54	54	53	1,182
Canyon	60	60	38	641
New Laxapana	100	100	100	2,119
Polpitiya	90	90	86	1,706
Broadlands	35	35	30	336
Kotmale	201	180	124	820
Victoria	225	234	210	3,093
Randenigala	114	110	111	742
Rantambe	50	50	21	284
Ukuwela	37	20	21	453
Bowatenna	40	38	37	288
Upper Kotmale	150	75	75	156
Nilambe	3	3	2	8
Samanalawewa	120	120	119	1,883
Kukule	75	0	0	0
Inginiyagala	11	7	3	45
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	271	6,508
Puttalam Coal II	270	270	269	6,464
Puttalam Coal III	270	0	0	0
KPS Small GTs	64	32	16	12
KPS GT 7	115	115	111	821
KCCP	161	158	144	3,558
Sapugaskanda A	70	27	27	606
Sapugaskanda B	70	72	72	1,656
Uthura Janani	26	16	24	562
Barge CEB	60	60	59	1,410
CEB-Thulhiriya	10	0	6	18
CEB-Kolonnawa	20	10	10	28
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	279	6,575
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,529</b>	<b>2,387</b>	<b>44,157</b>

Plant availability is the availability recorded at 6 am on

March 30, 2023

## Contribution to the Night Peak in MW

March 29, 2023

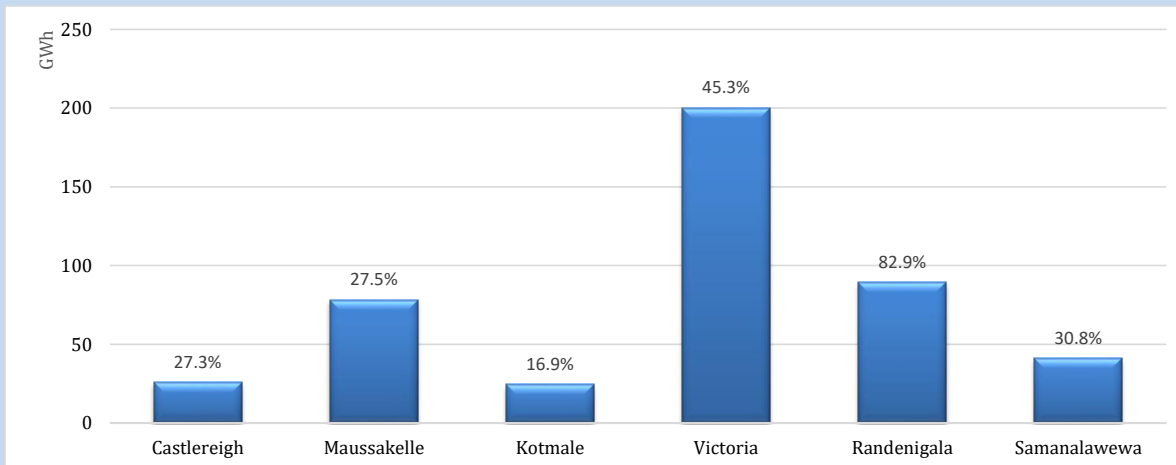


Night Peak*	2,415 MW
Day Peak	2,081 MW
Minimum Demand	1,343 MW

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

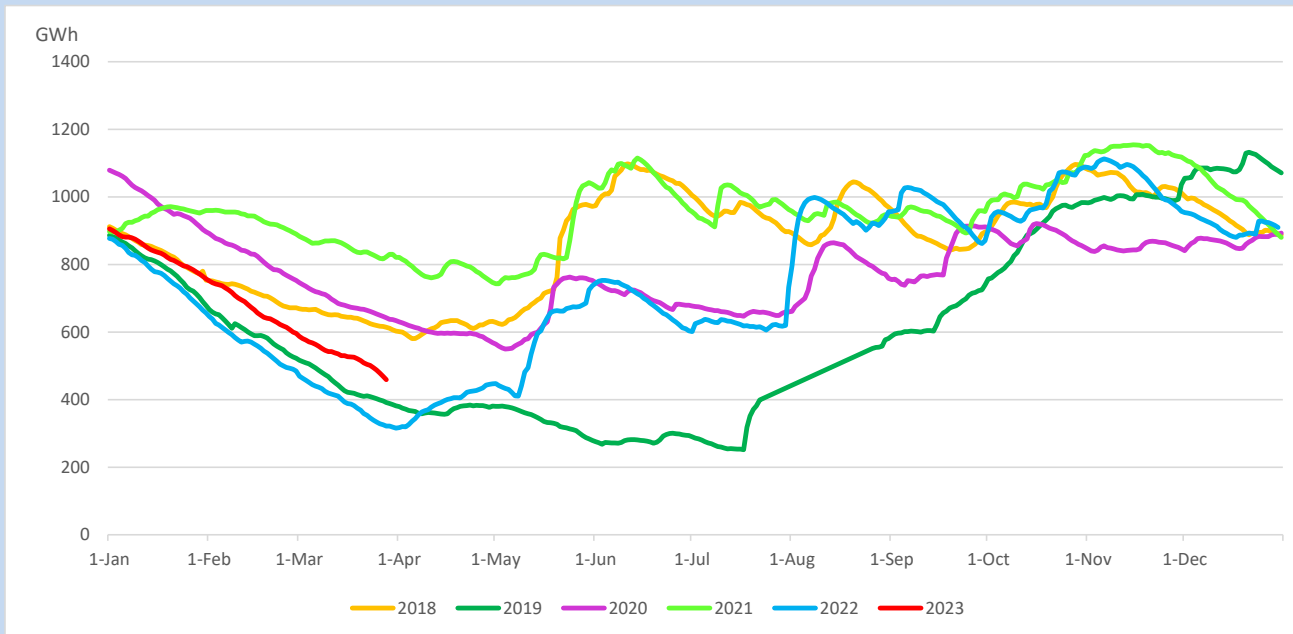
## Reservoir Levels -

as at 06.00 Hr on March 30, 2023

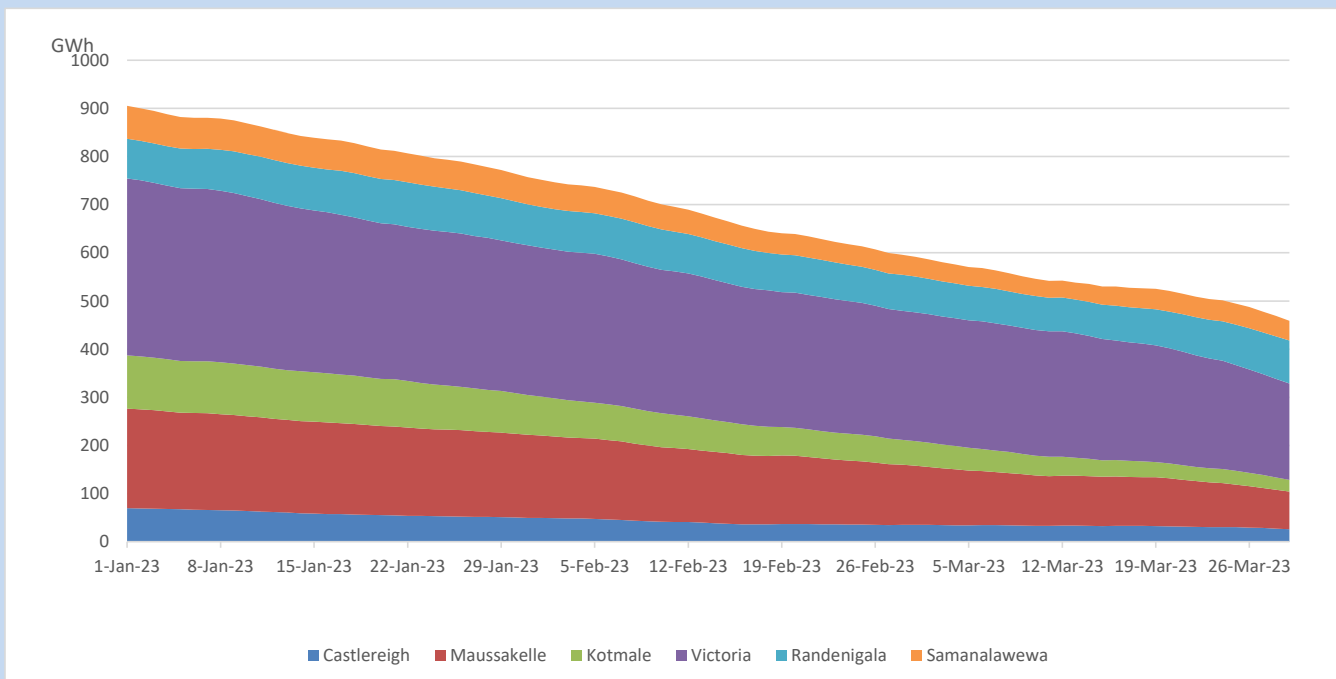


Total Reservoir Level	458.9 GWh
% of Total capacity	38.1%

## Comparison of Total Reservoir Storage Levels with Past Years

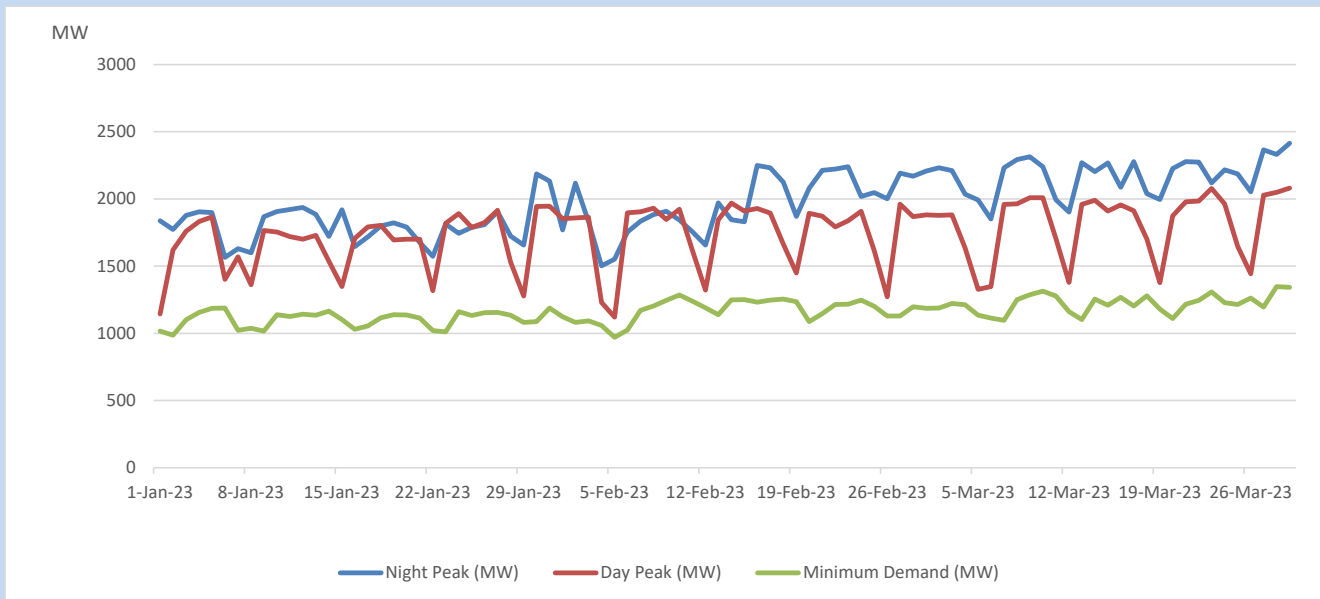


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

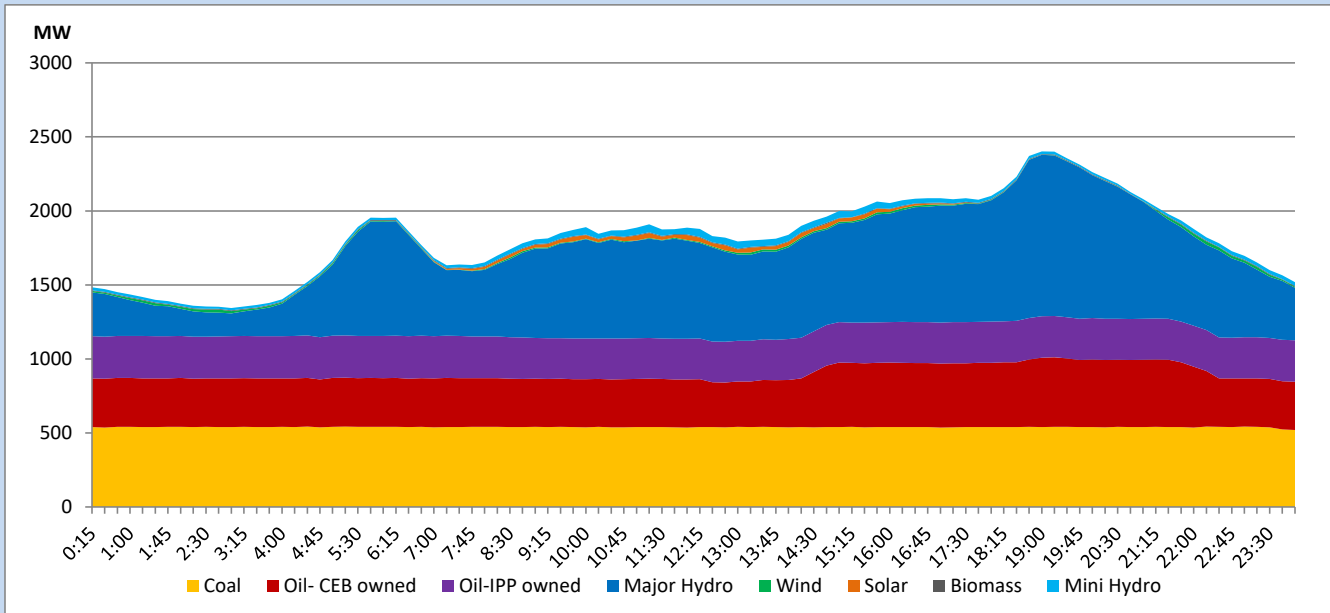


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

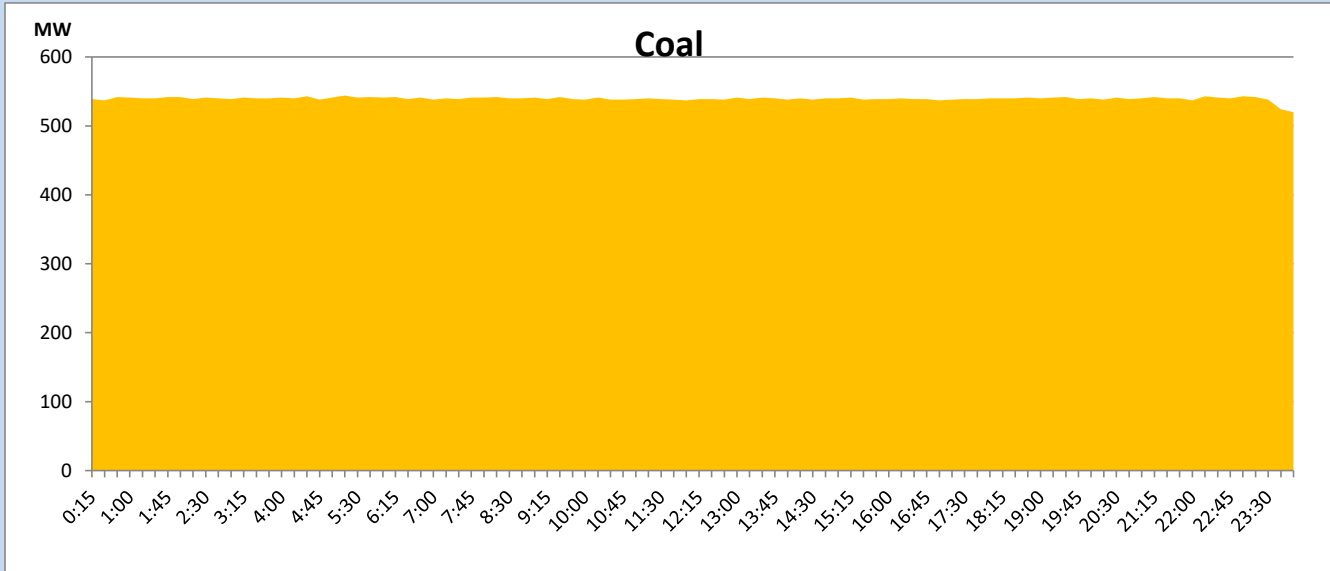
March 29, 2023

Solar and wind data is based on Telemetered Power Stations only



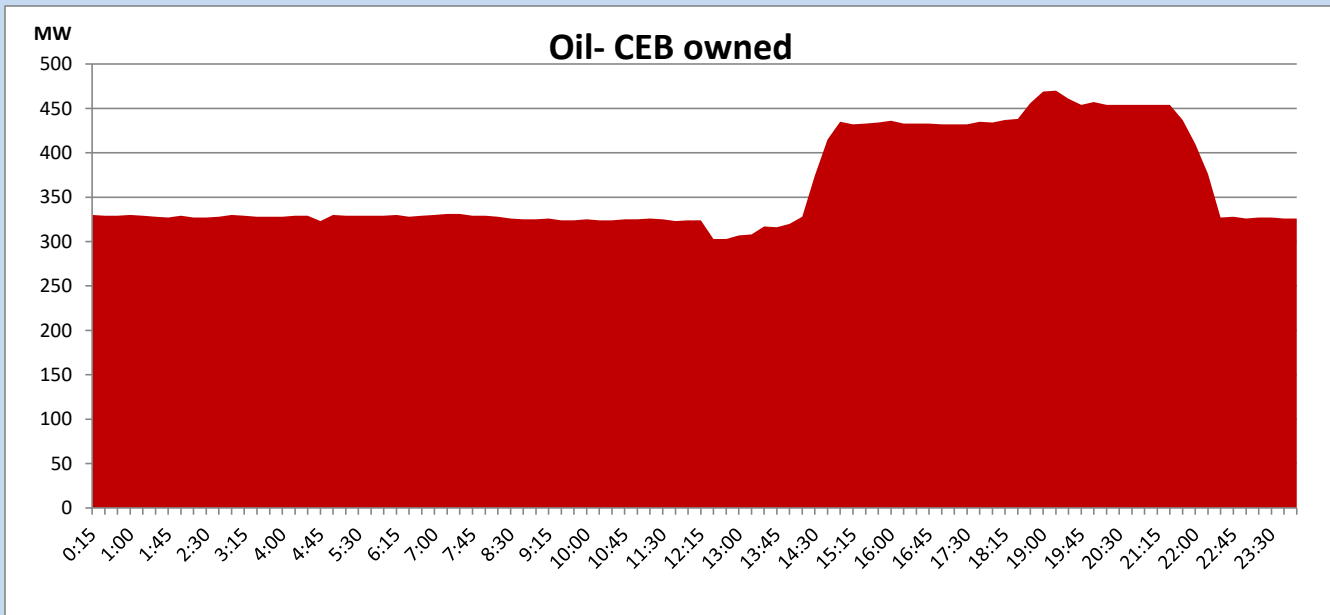
## Coal Generation during

March 29, 2023



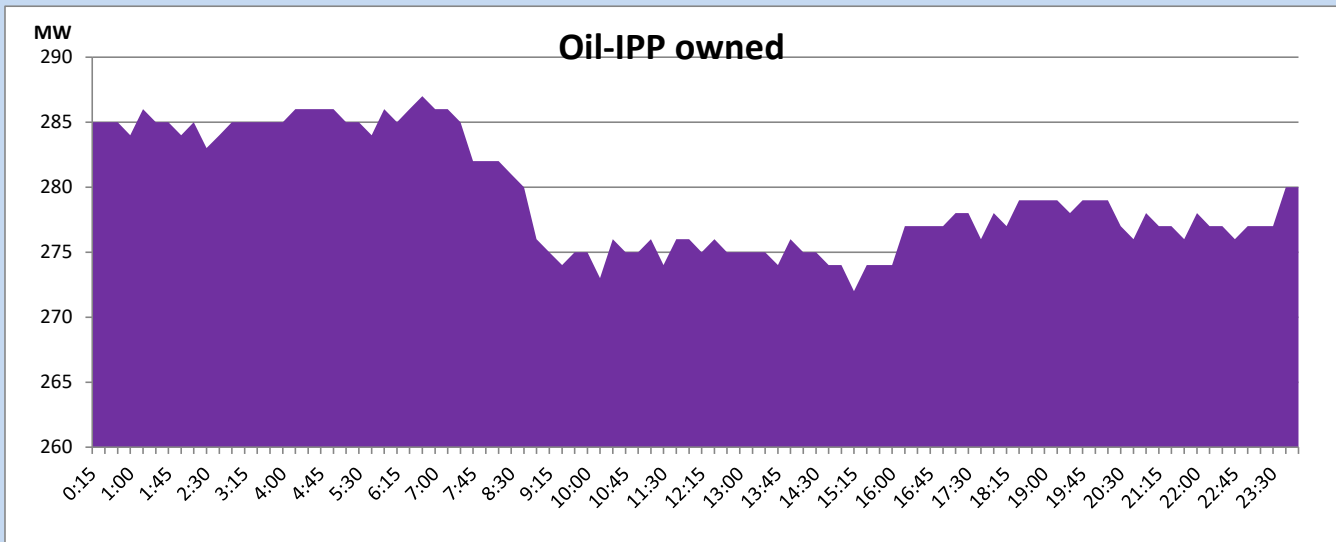
## CEB Oil Plant Generation during

March 29, 2023



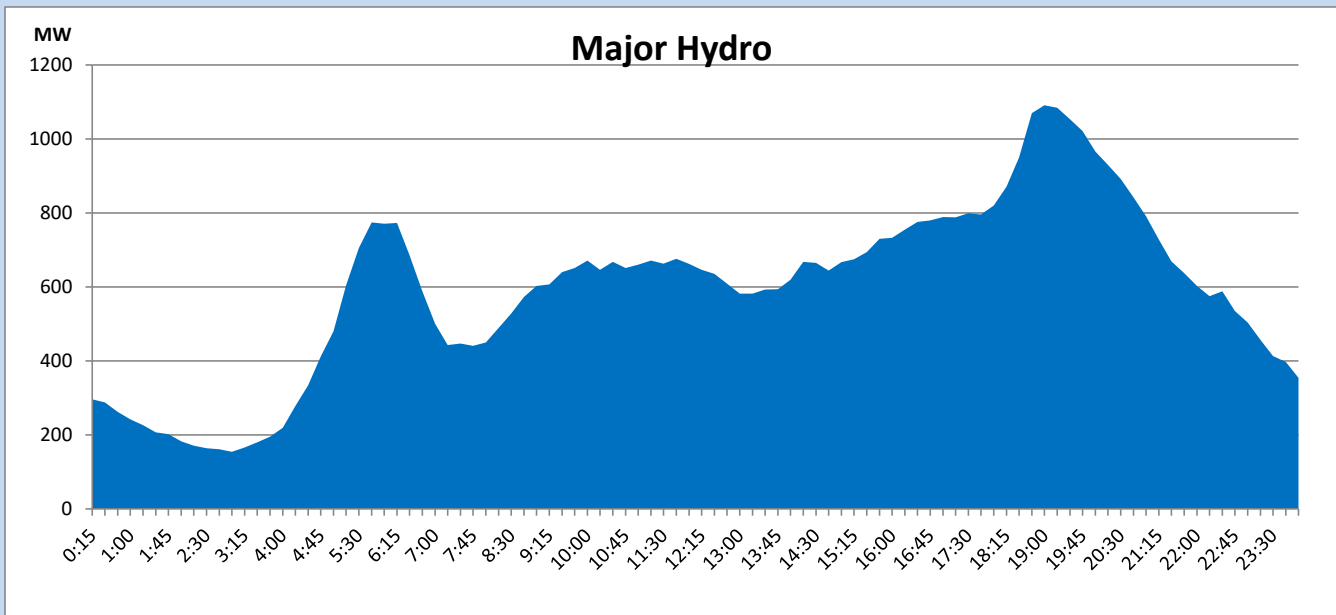
## IPP Oil Plant Generation during

March 29, 2023



## Major Hydro Generation during

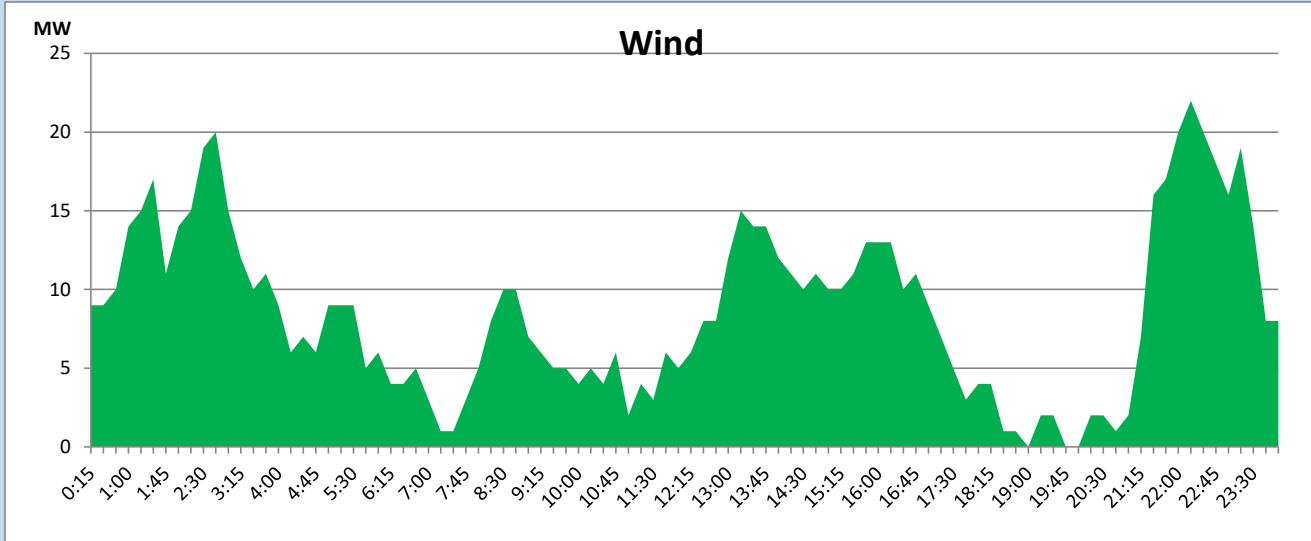
March 29, 2023



## Wind Generation during

March 29, 2023

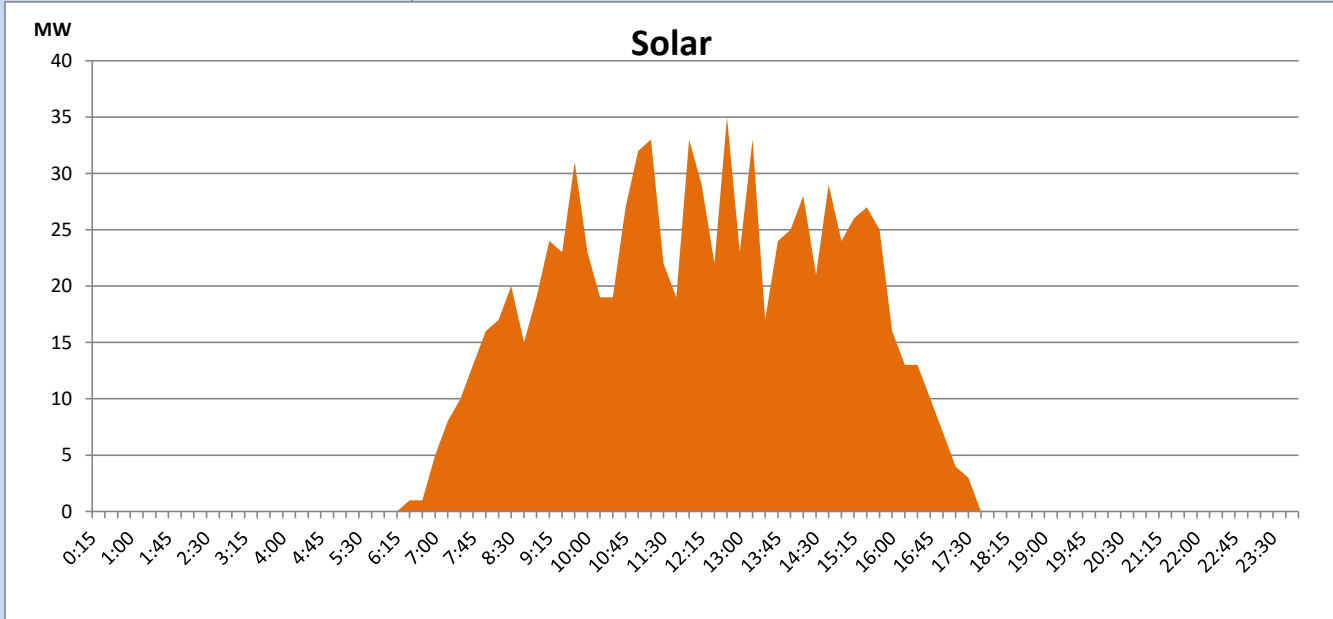
Based on Telemetered Power Stations only



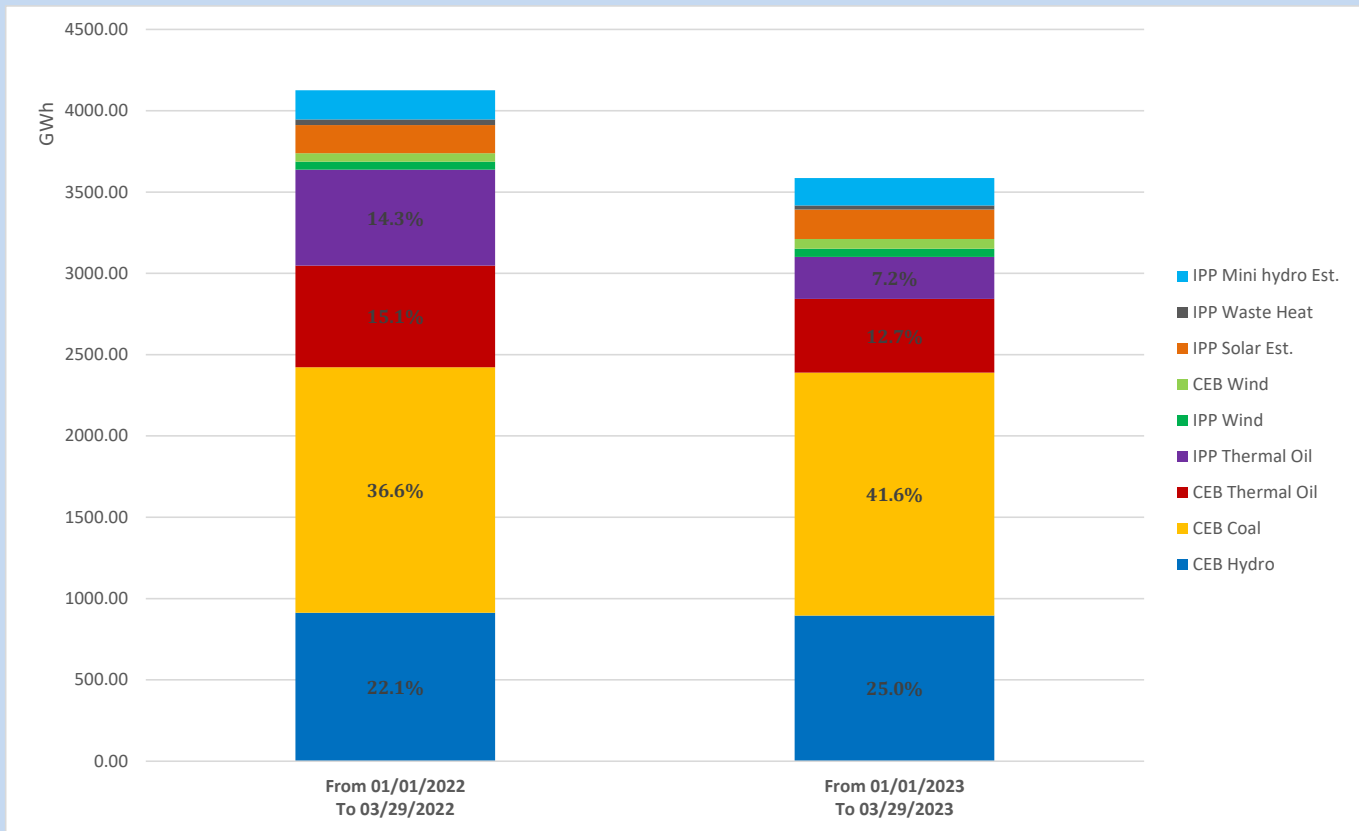
## Solar Generation during

March 29, 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 29, 2023

- 1) KPS GT-04 was unable to synchronize at 18.30hrs for night peak.
- 2) LVPS unit 02 deloaded to 190MW (net) from 00.00hrs to 03:00hrs (on 30.03.2023) due to cooling water pumps intake cleaning.
- 3) New Habarana - Old Habarana 132kV cct 2 was energized for first time at 19:25hrs for soak test.