

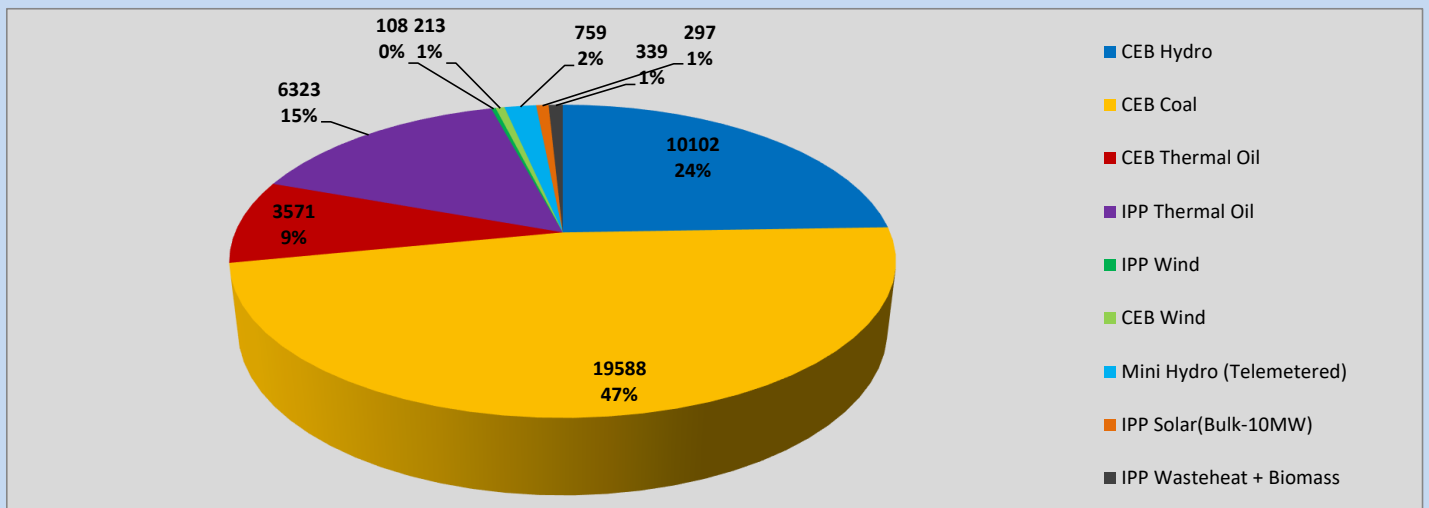
# Generation and Reservoirs Statistics

March 15, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =



**41,300 MWh**

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh  
 Estimated Mini Hydro (Non telemetered) = 551 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

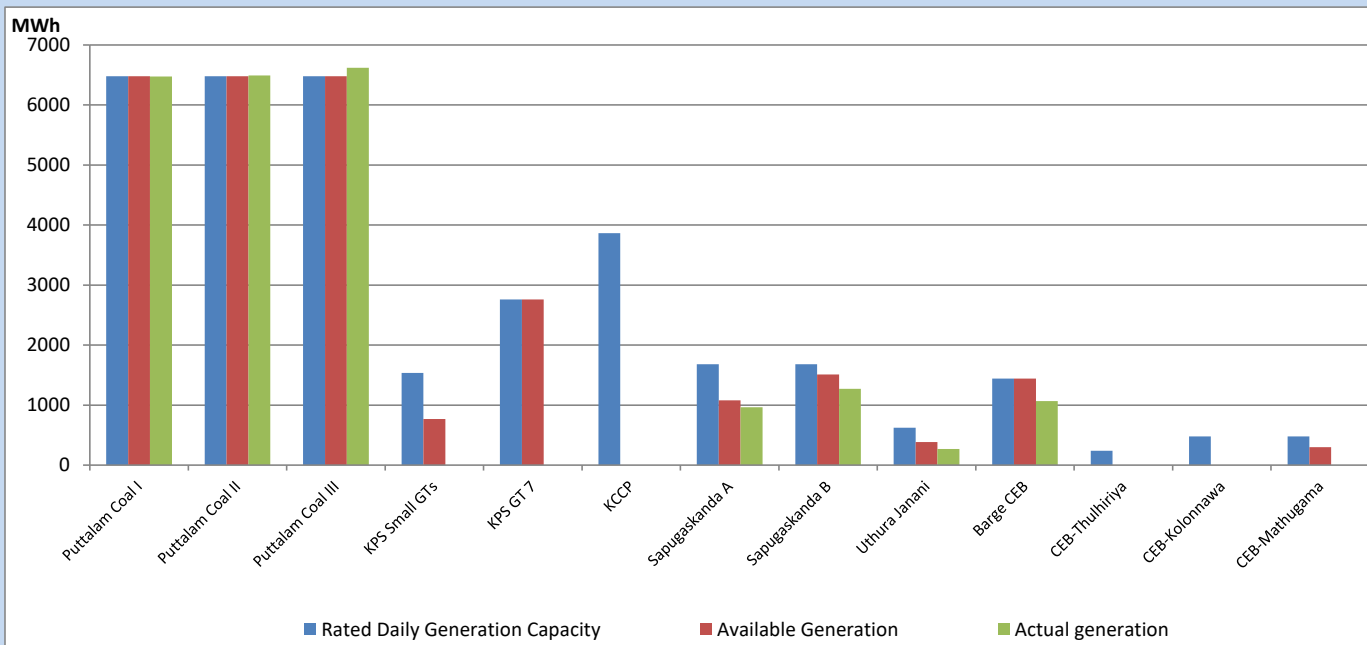
Category	Dispatch (GWh)	Percentage
CEB Hydro	125	21.18%
CEB Coal	290	49.18%
CEB Thermal Oil	90	15.20%
IPP Thermal	44	7.52%
SPP Wind	9	1.61%
CEB Wind	12	2.05%
Mini Hydro (Telemetered)	11	1.87%
IPP Solar (Bulk-10MW)	4	0.67%
IPP Wasteheat + BMP	4	0.73%
<b>Total</b>	<b>589</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	726	26.26%
CEB Coal	1,294	46.80%
CEB Thermal Oil	367	13.26%
IPP Thermal	175	6.34%
SPP Wind	48	1.72%
CEB Wind	56	2.04%
Mini Hydro (Telemetered)	57	2.06%
IPP Solar (Bulk-10MW)	21	0.74%
IPP Wasteheat	21	0.77%
<b>Total</b>	<b>2,765</b>	

## CEB owned Thermal Plant Dispatch

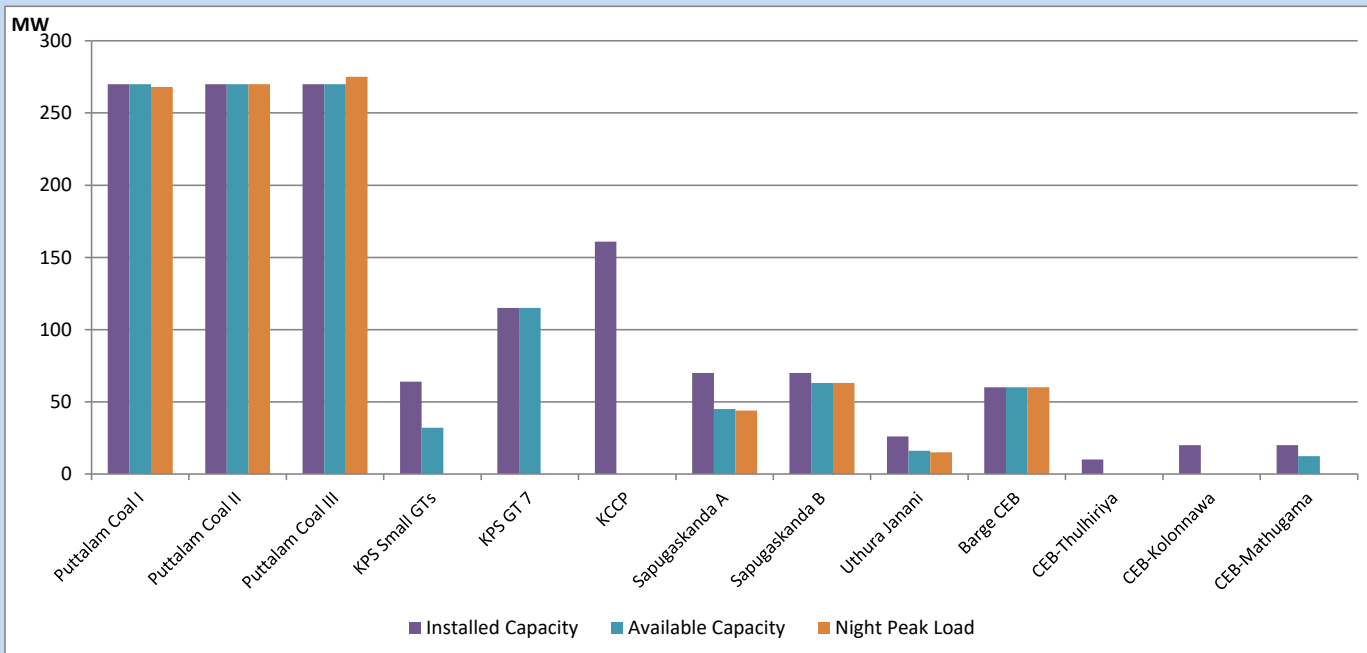
March 15, 2023



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

March 16, 2023

## CEB owned Thermal Plant Loading at the Night Peak

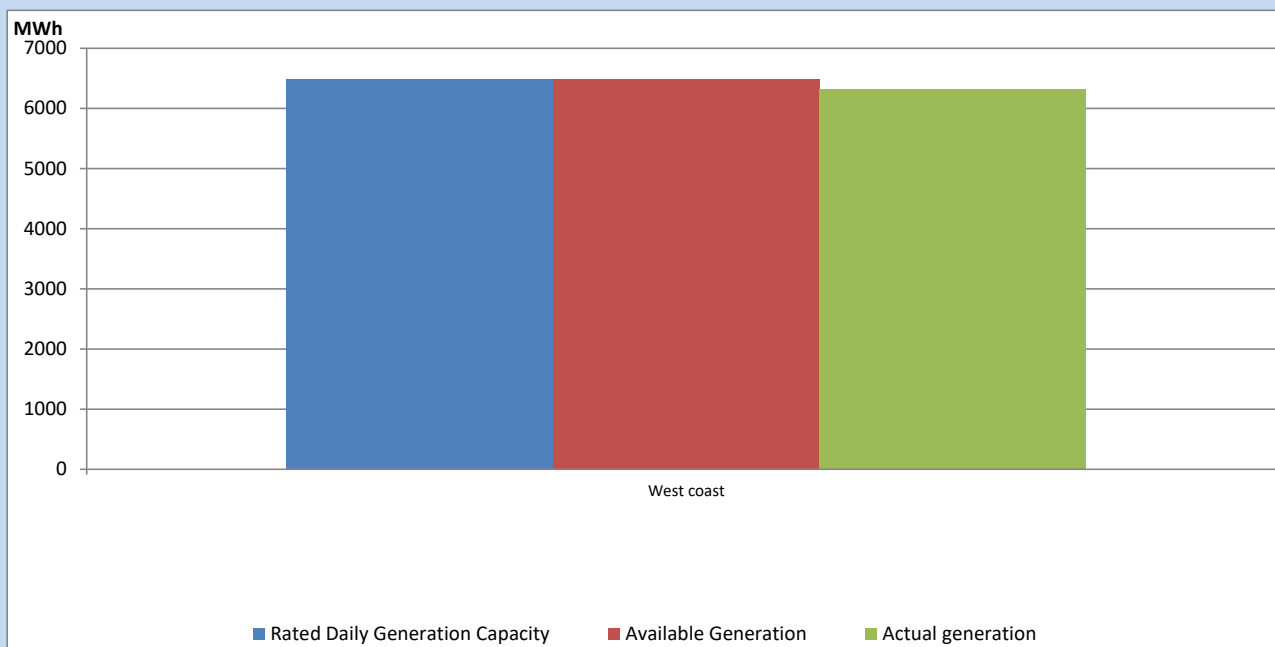


Note- Plant availability is recorded at 6.00 am on

March 16, 2023

## IPP owned Thermal Plant Dispatch

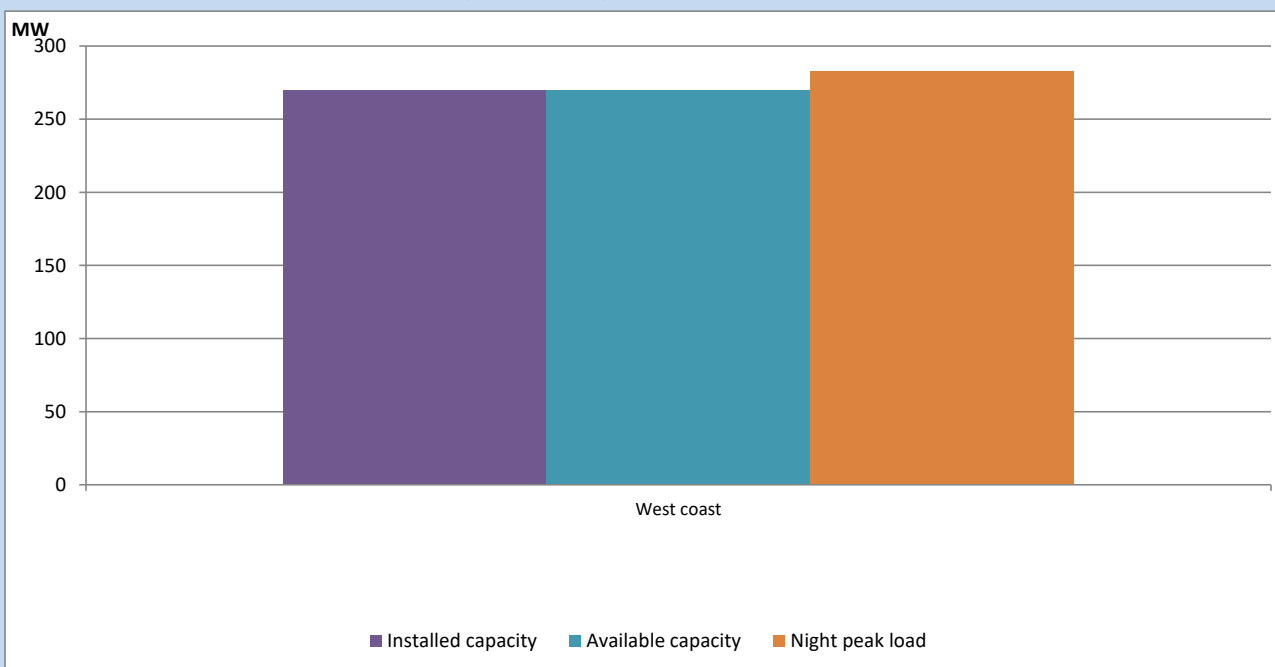
March 15, 2023



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

March 16, 2023

## IPP owned Thermal Plant Loading at the Night Peak

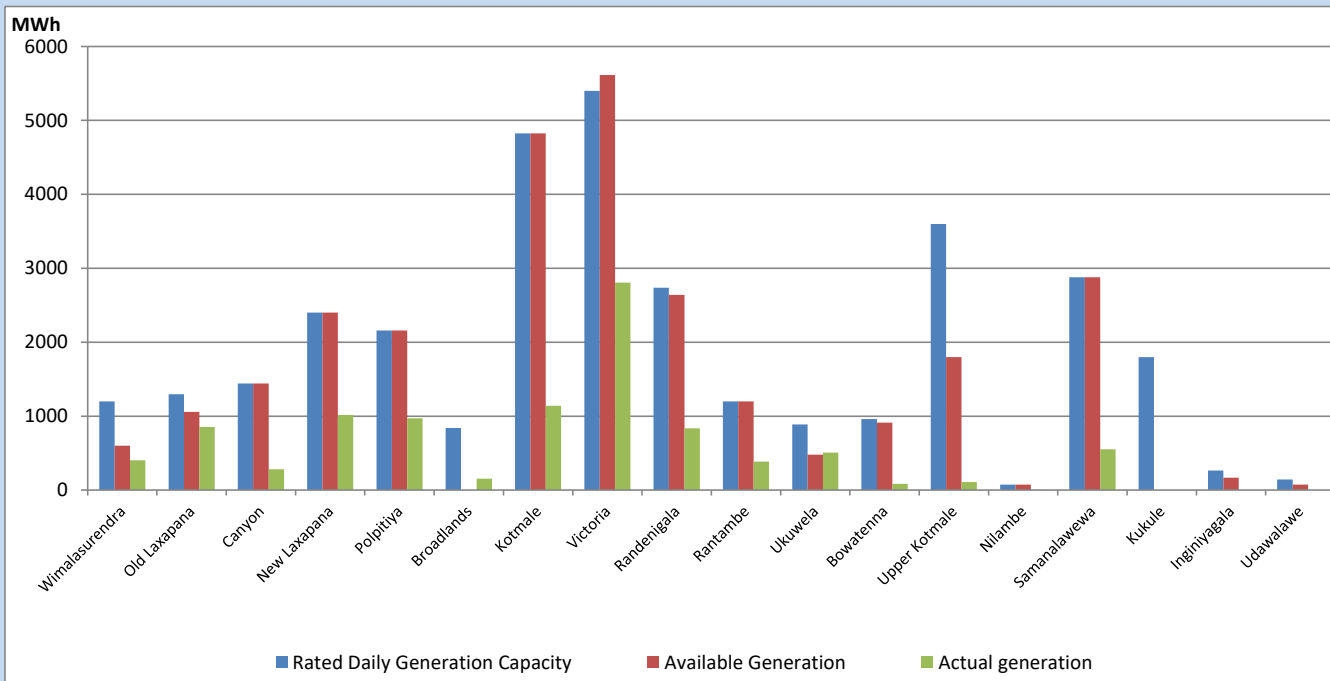


Note- Plant availability is recorded at 6.00 am on

March 16, 2023

## Major Hydro Plant Dispatch

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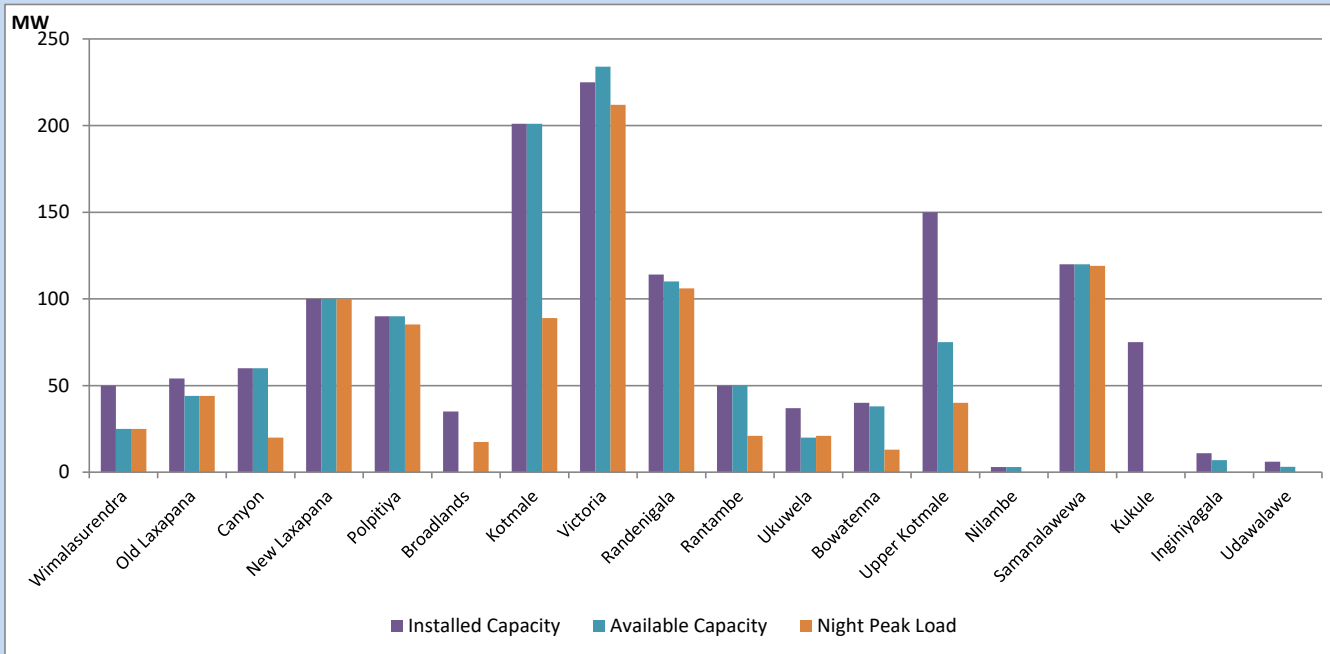


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 16, 2023

## Major Hydro Plant Loading at Night Peak

March 15, 2023



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

March 16, 2023

## Summary of Major Plant performance

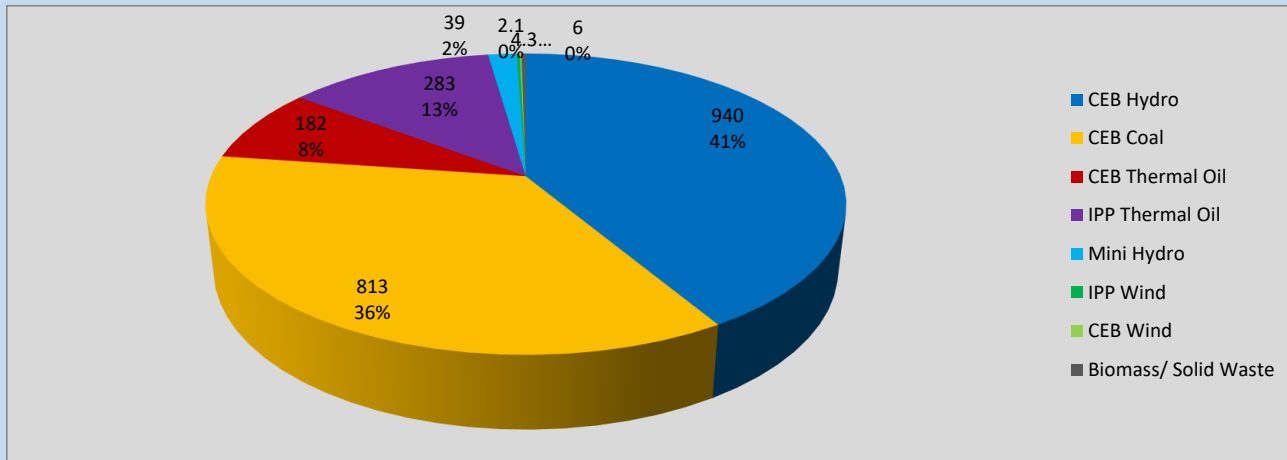
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	404
Old Laxapana	54	44	44	852
Canyon	60	60	20	282
New Laxapana	100	100	100	1,016
Polpitiya	90	90	85	971
Broadlands	35	0	17	153
Kotmale	201	201	89	1,140
Victoria	225	234	212	2,806
Randenigala	114	110	106	835
Rantambe	50	50	21	384
Ukuwela	37	20	21	508
Bowatenna	40	38	13	85
Upper Kotmale	150	75	40	107
Nilambe	3	3	0	6
Samanalawewa	120	120	119	553
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	268	6,476
Puttalam Coal II	270	270	270	6,493
Puttalam Coal III	270	270	275	6,619
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	44	966
Sapugaskanda B	70	63	63	1,270
Uthura Janani	26	16	15	268
Barge CEB	60	60	60	1,067
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	283	6,323
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,604</b>	<b>2,242</b>	<b>41,300</b>

Plant availability is the availability recorded at 6 am on

March 16, 2023

## Contribution to the Night Peak in MW

March 15, 2023

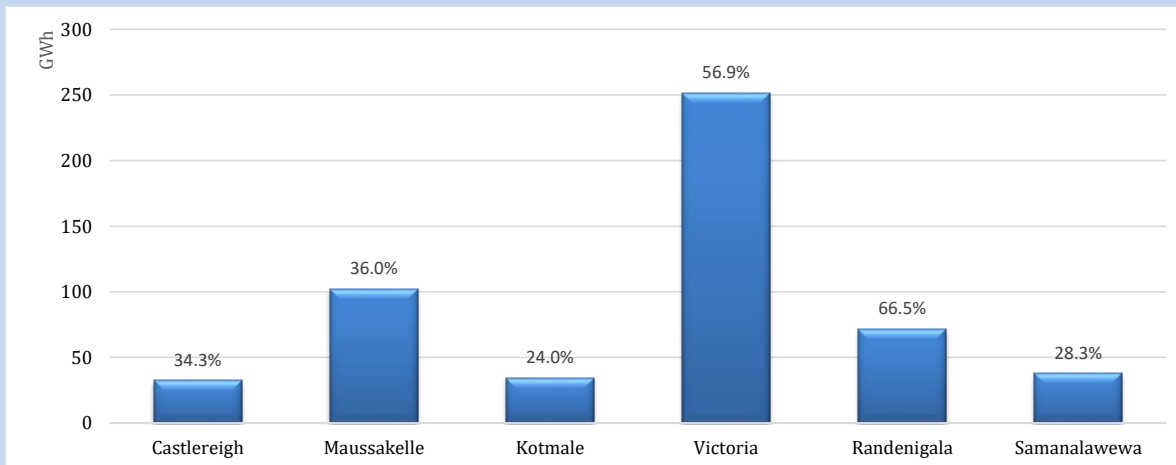


Night Peak*	2,269 MW
Day Peak	1,910 MW
Minimum Demand	1,210 MW

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

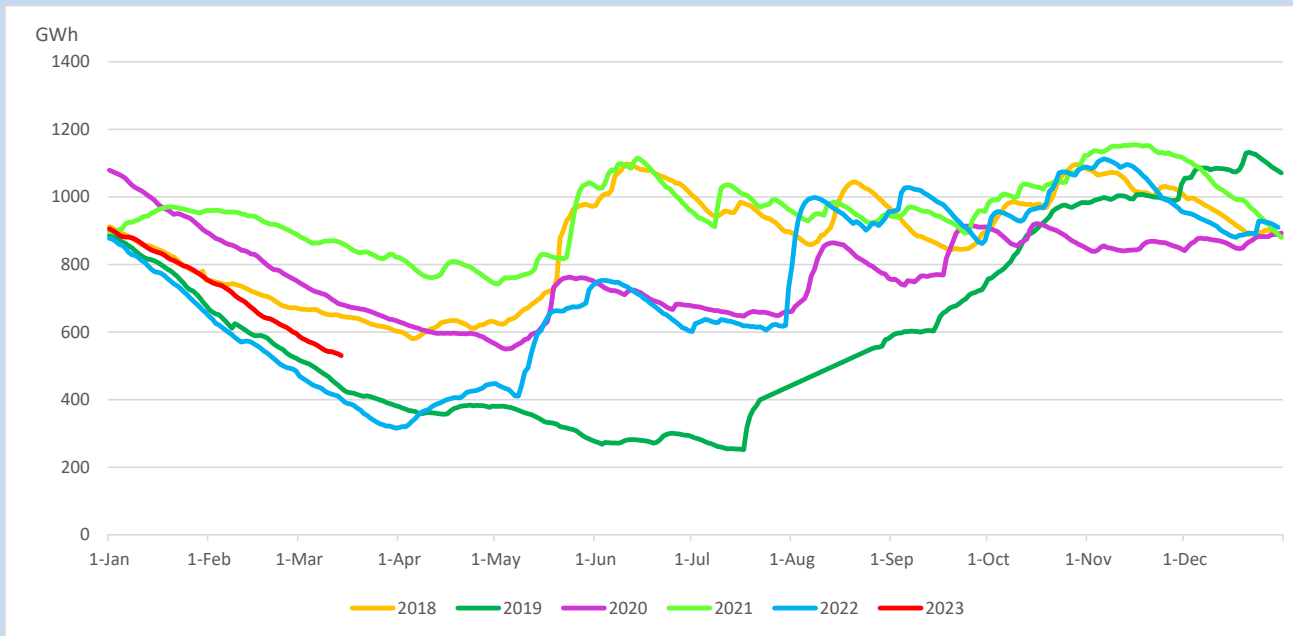
## Reservoir Levels -

as at 06.00 Hr on March 16, 2023

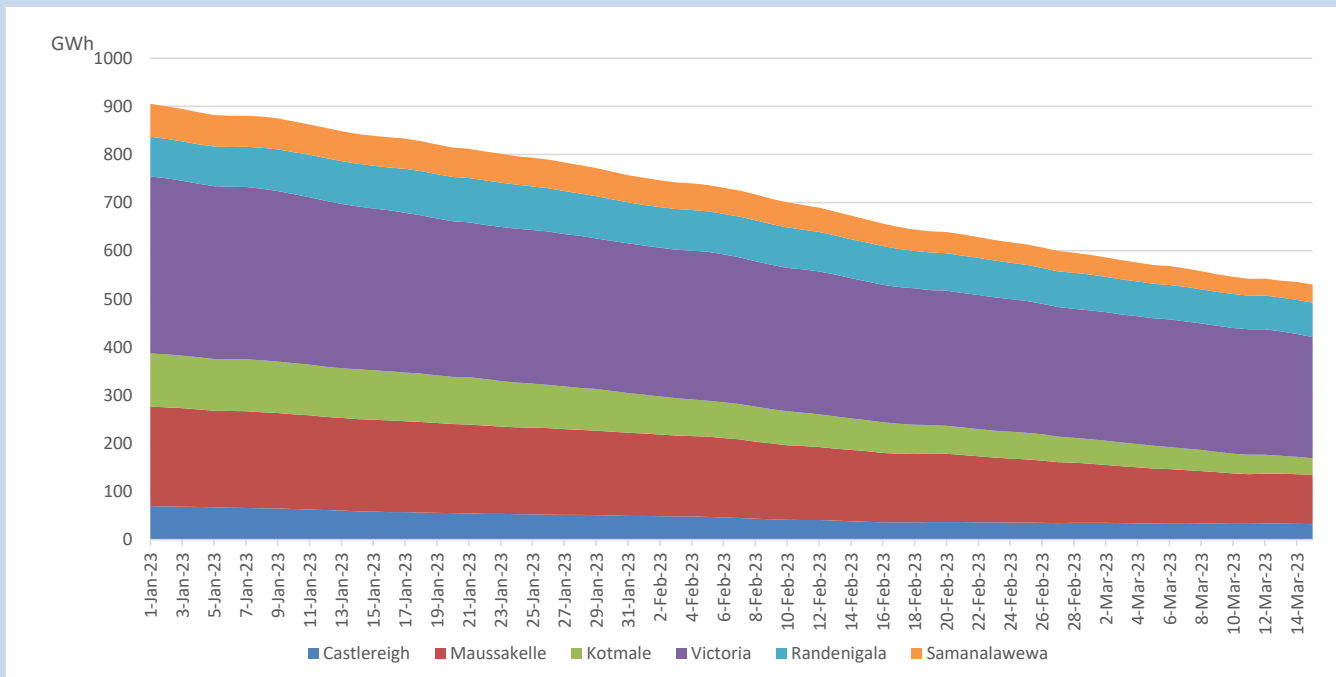


Total Reservoir Level	530.1 GWh
% of Total capacity	44.0%

## Comparison of Total Reservoir Storage Levels with Past Years

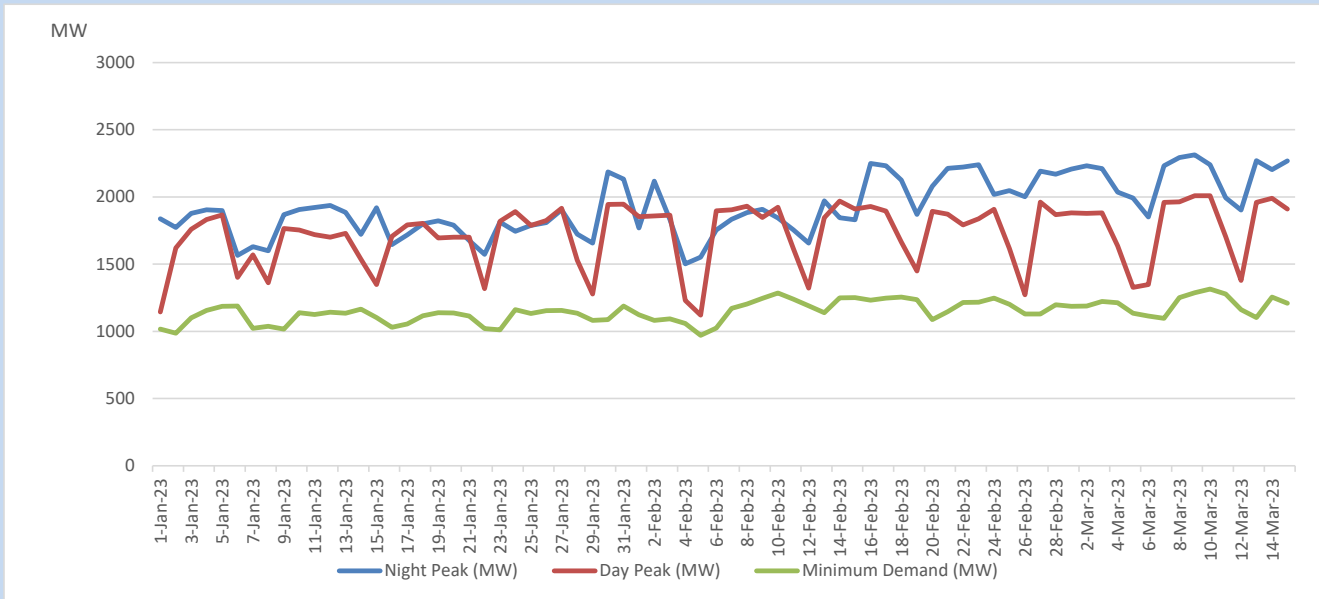


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

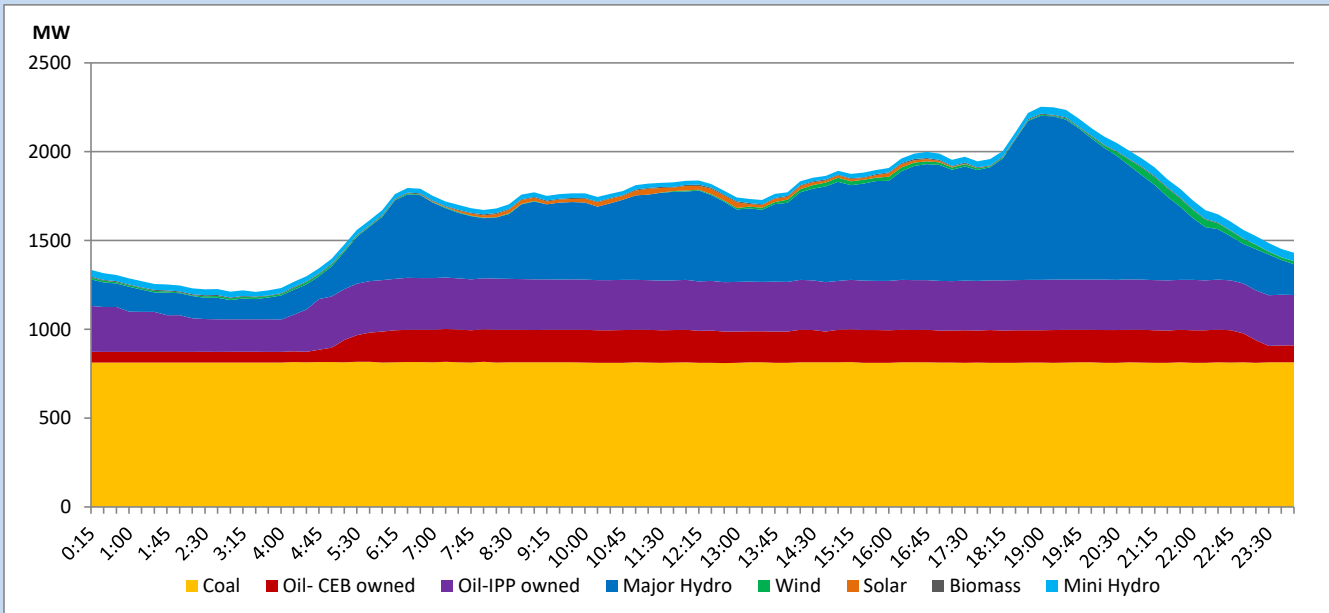


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

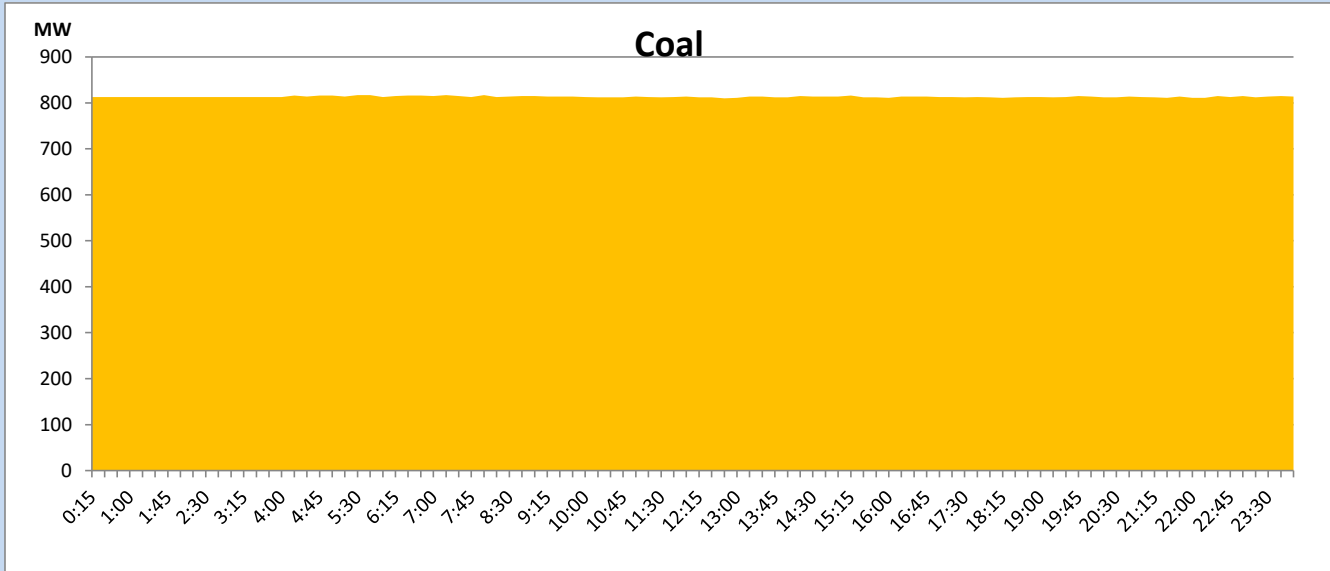
March 15, 2023

Solar and wind data is based on Telemetered Power Stations only



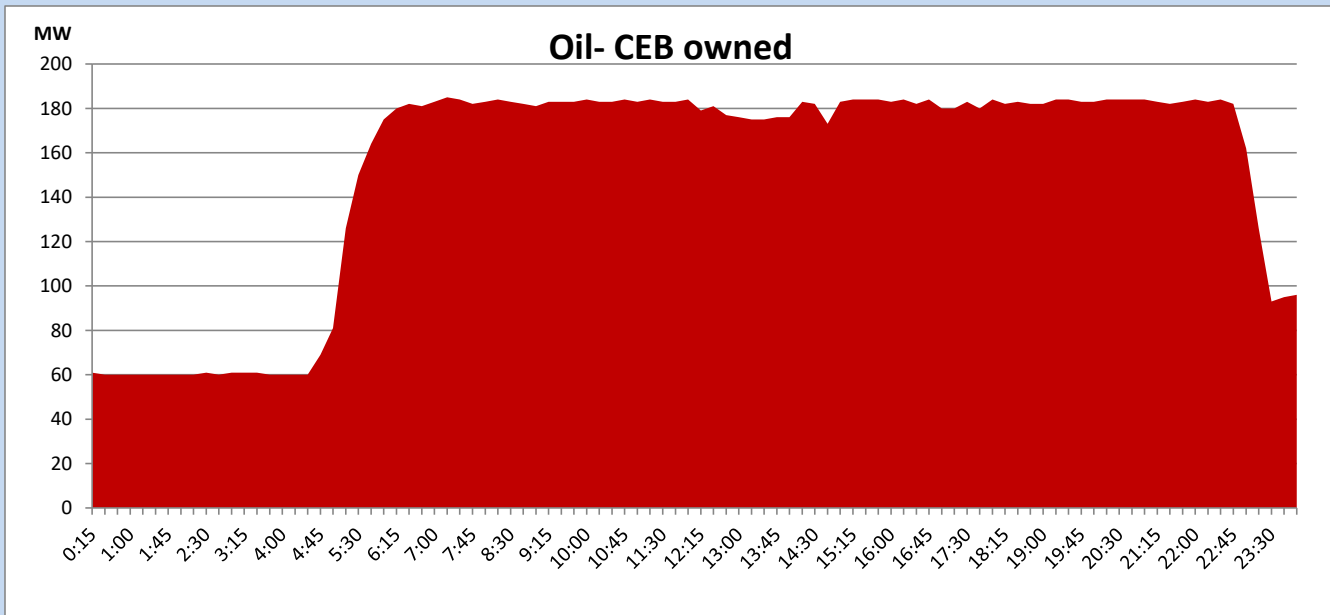
## Coal Generation during

March 15, 2023



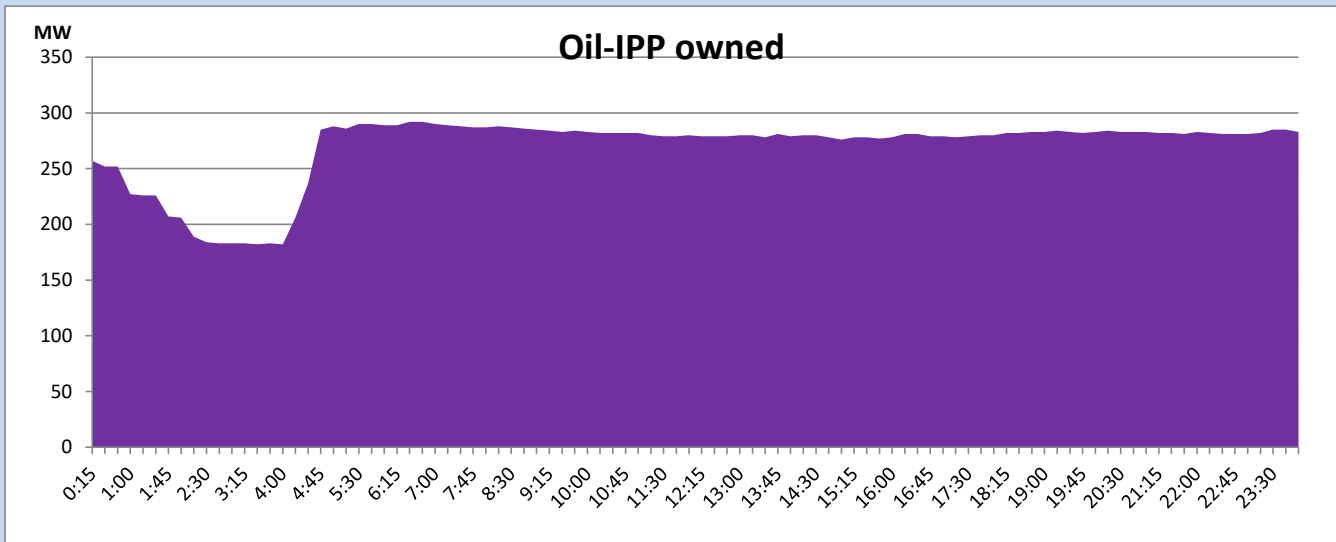
## CEB Oil Plant Generation during

March 15, 2023



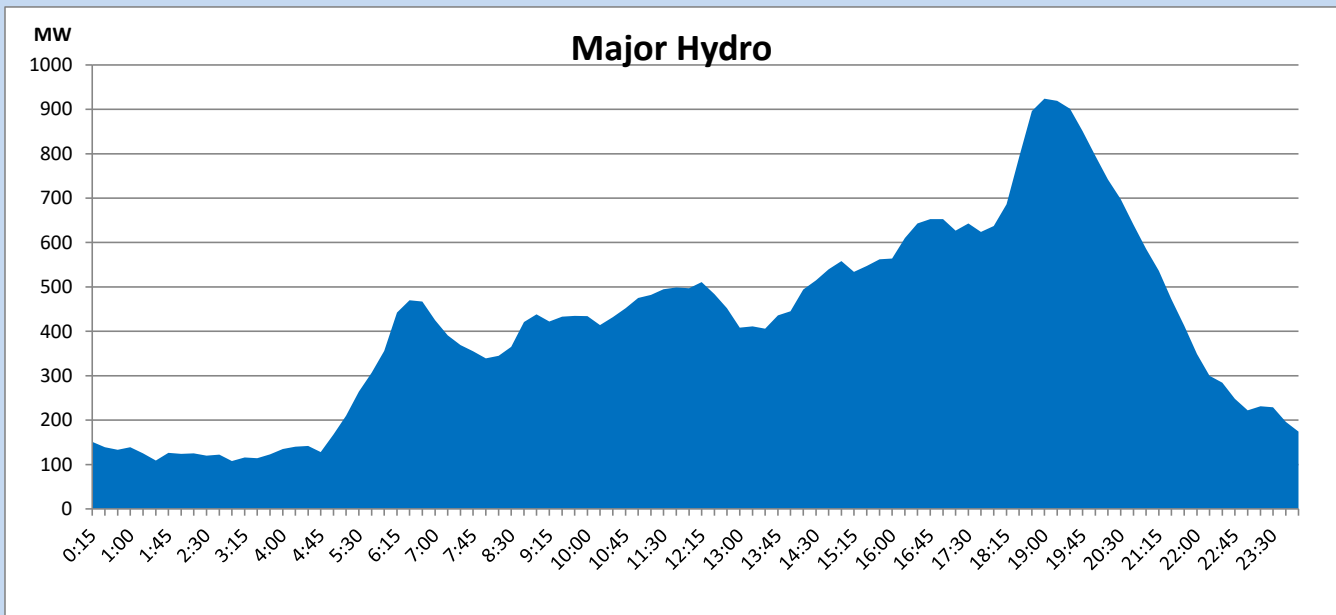
IPP Oil Plant Generation during

March 15, 2023



Major Hydro Generation during

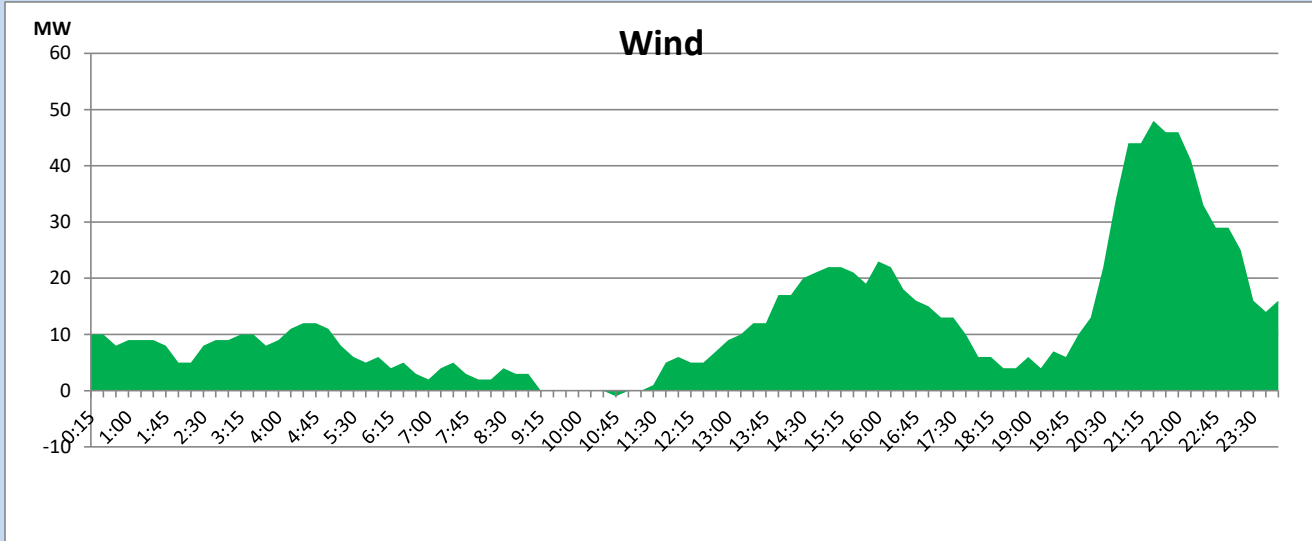
March 15, 2023



## Wind Generation during

March 15, 2023

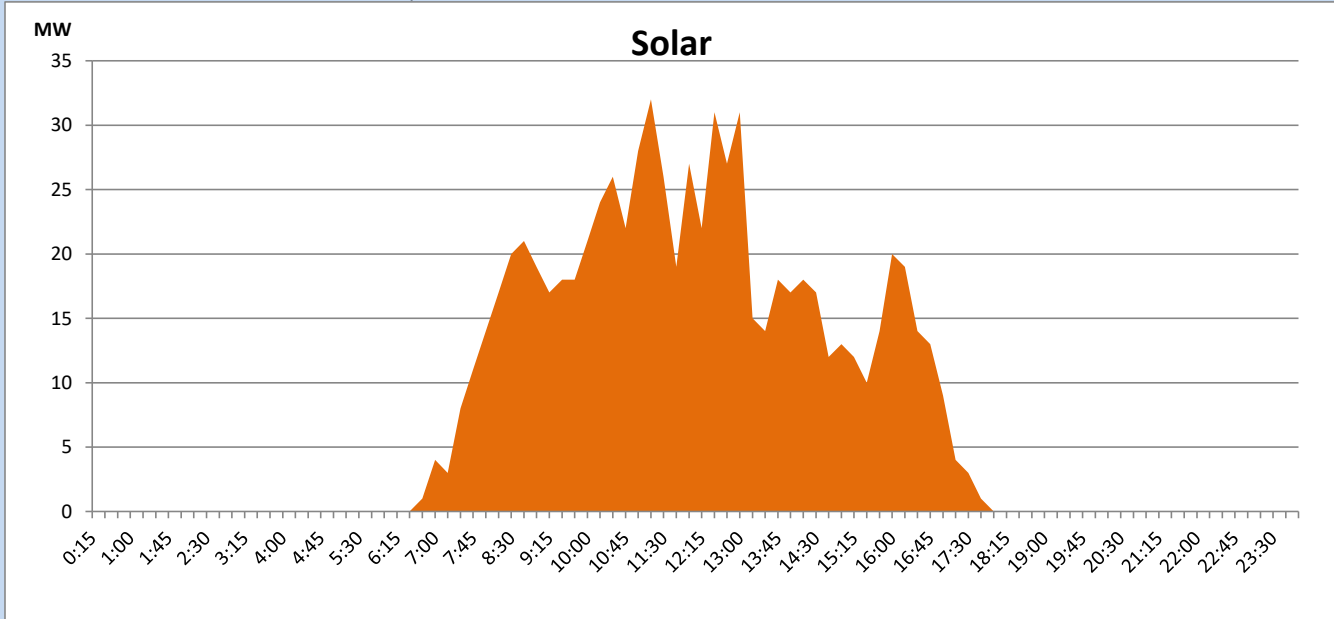
Based on Telemetered Power Stations only



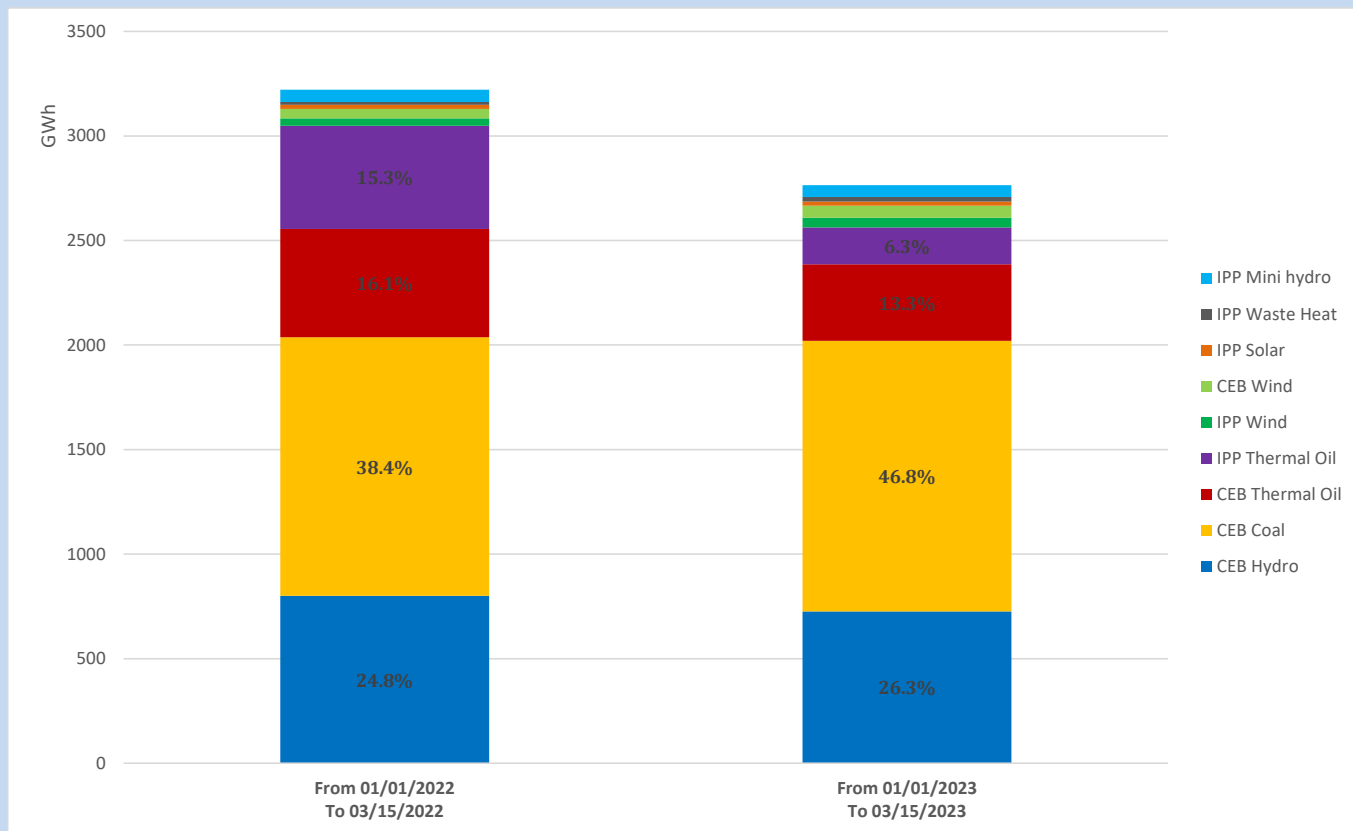
## Solar Generation during

March 15, 2023

Based on Telemetered Power Stations only



## Cumulative Dispatch Comparison with Last Year



### 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 15, 2023

1) Polpitiya unit 2 tripped at 19.52hrs rejecting 45MW from the system due to lower guide bearing oil level low alarm and Polpitiya Unit 2 resumed generation at 21.16hrs.