

Generation and Reservoirs Statistics

January 15, 2024



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix in MWh

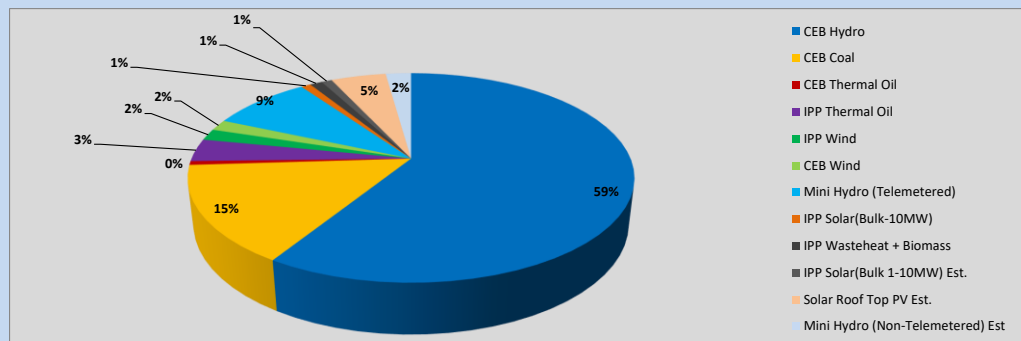


Table 01

	Generation (MWh)
CEB Hydro	20,367
CEB Coal	5,224
CEB Thermal Oil	202
IPP Thermal Oil	1,210
IPP Wind	607
CEB Wind	585
Mini Hydro (Telemetered)	3,000
IPP Solar (Bulk)	293
IPP Waste heat + Biomass	366
Total Generation (Excluding estimated figures)	31,854
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	758
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	1650
Total Generation (Including estimated figures)	34,566

* Estimated figures of CEB generation report

Table 02

	Installed Capacity (MW)
CEB Hydro	1409
CEB Coal	810
CEB Thermal Oil	781
IPP Thermal Oil (West Coast, ACE Matara and ACE Embilipitiya)	387
IPP Wind	148
CEB Wind	100
Mini Hydro	422
IPP Waste heat + Biomass	50
IPP Solar	136
Rooftop Solar (Ordinary)	277
Rooftop Solar (LT Bulk)	263
Rooftop Solar (HT Bulk)	70

Data Source - Monthly Review Report [Aug-2023]

2. Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

Table 03 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	373	60.74%
CEB Coal	87	14.17%
CEB Thermal Oil	10	1.69%
IPP Thermal	21	3.39%
SPP Wind	8	1.36%
CEB Wind	11	1.85%
Mini Hydro *	66	10.68%
IPP Solar *	33	5.33%
IPP Waste heat + BMP	5	0.79%
Total	615	

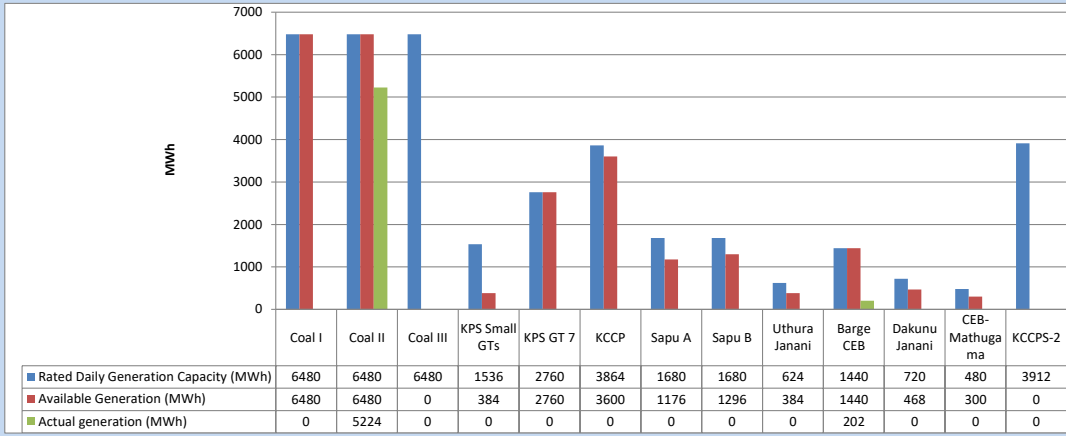
Table 04 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	373	60.74%
CEB Coal	87	14.17%
CEB Thermal Oil	10	1.69%
IPP Thermal	21	3.39%
SPP Wind	8	1.36%
CEB Wind	11	1.85%
Mini Hydro *	66	10.68%
IPP Solar *	33	5.33%
IPP Waste heat	5	0.79%
Total	615	

*Including estimated contribution from non telemetered plants

3. CEB owned Thermal Plant Dispatch

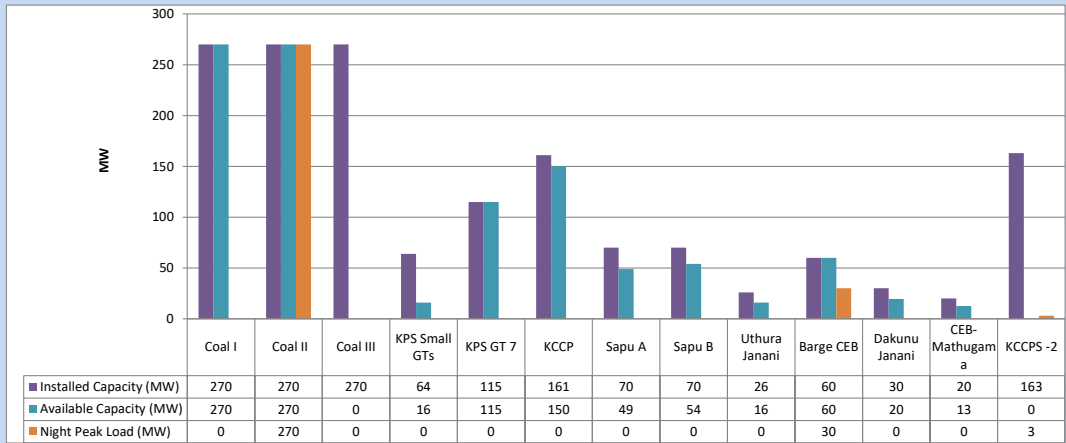
January 15, 2024



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

January 16, 2024

4. CEB owned Thermal Plant Loading at the Night Peak

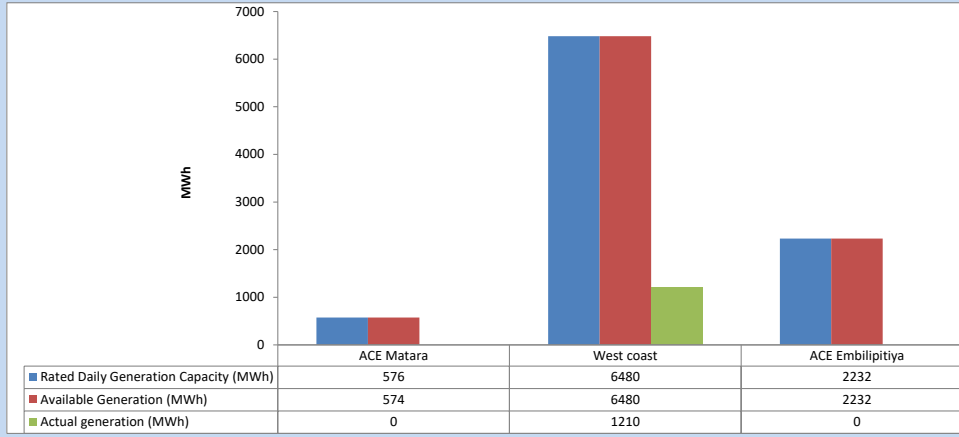


Plant availability is recorded at 6.00 am on

January 16, 2024

5. IPP owned Thermal Plant Dispatch

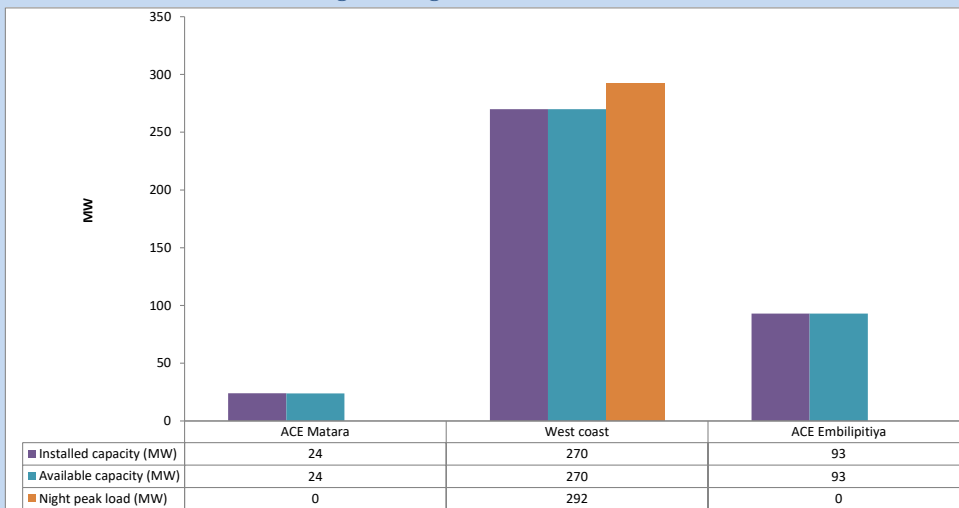
January 15, 2024



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

January 16, 2024

6. IPP owned Thermal Plant Loading at the Night Peak

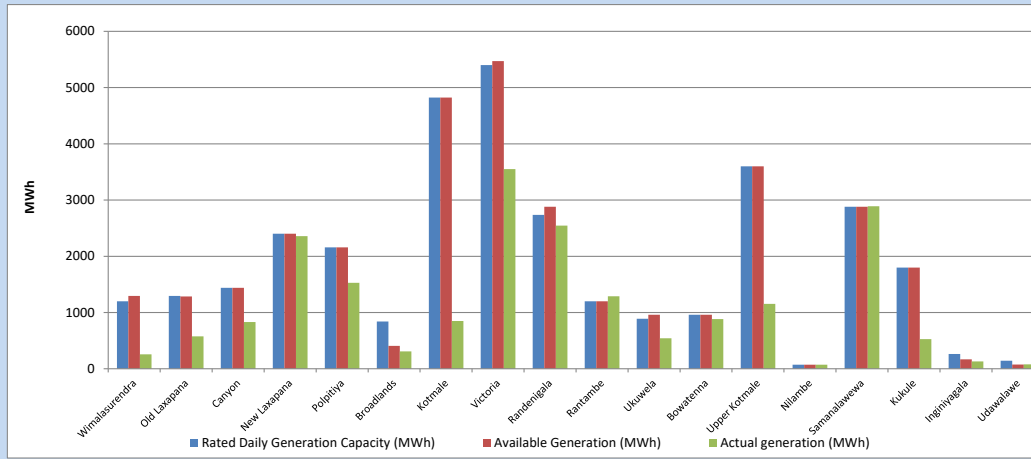


Plant availability is recorded at 6.00 am on

January 16, 2024

7. Major Hydro Plant Dispatch

January 15, 2024

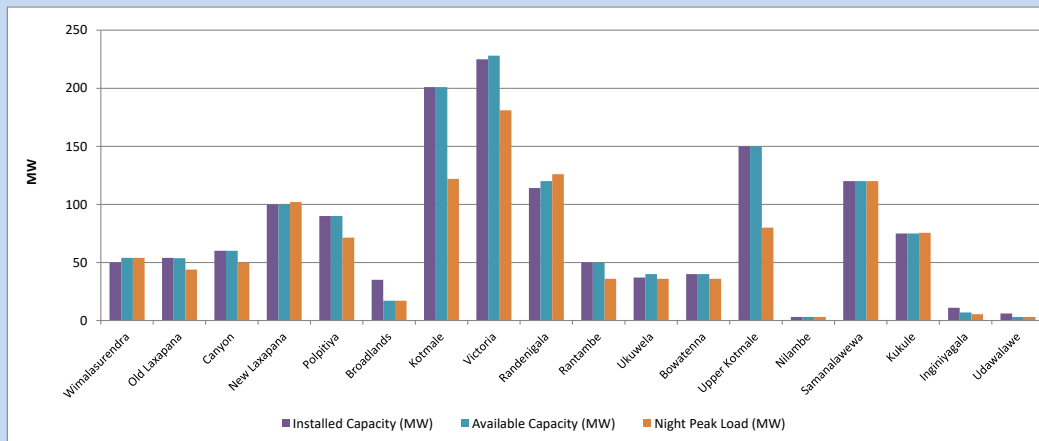


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 16, 2024

8. Major Hydro Plant Loading at Night Peak

January 15, 2024



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

January 16, 2024

9. Summary of Major Plant performance

Table 05

Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	54	54	256
Old Laxapana	54	54	44	576
Canyon	60	60	50	831
New Laxapana	100	100	102	2,357
Polpitiya	90	90	71	1,530
Broadlands	35	17	17	309
Kotmale	201	201	122	850
Victoria	225	228	181	3,549
Randenigala	114	120	126	2,545
Rantambe	50	50	36	1,288
Ukuwela	37	40	36	542
Bowatenna	40	40	36	882
Upper Kotmale	150	150	80	1,155
Nilambe	3	3	3	71
Samanalawewa	120	120	120	2,891
Kukule	75	75	76	528
Inginiyagala	11	7	6	129
Udawalawe	6	3	3	78
Puttalam Coal I	270	270	0	0
Puttalam Coal II	270	270	270	5,224
Puttalam Coal III	270	0	0	0
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	150	0	0
Sapugaskanda A	70	49	0	0
Sapugaskanda B	70	54	0	0
Uthura Janani	26	16	0	0
Barge CEB	60	60	30	202
CEB-Hambantota	30	20	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	24	0	0
Asia Power	50	0	0	0
KCCPS -2	163	0	3	0
West Coast	270	270	292	1,210
Nothern Power	36	0	0	0
ACE Embilipitiya	93	93	0	0
Total	3,483	2,831	1,908	31,854

Plant availability is the availability recorded at 6 am on

January 16, 2024

10. Contribution to the Night Peak in MW

January 15, 2024

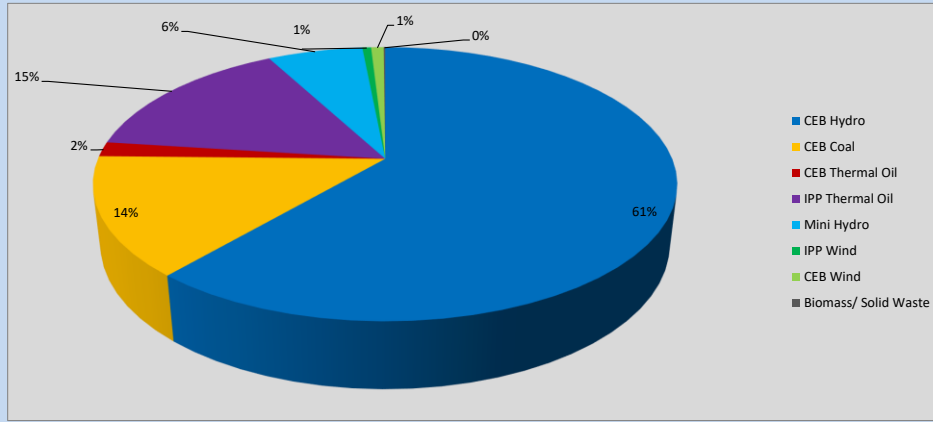


Table 06

CEB Hydro	1180	MW
CEB Coal	270	MW
CEB Thermal Oil	33	MW
IPP Thermal Oil	292	MW
Mini Hydro (Telemetered)	121	MW
IPP Wind	11.1	MW
CEB Wind	16	MW
Biomass/ Solid Waste	2	MW

Recorded Peak Demand Data

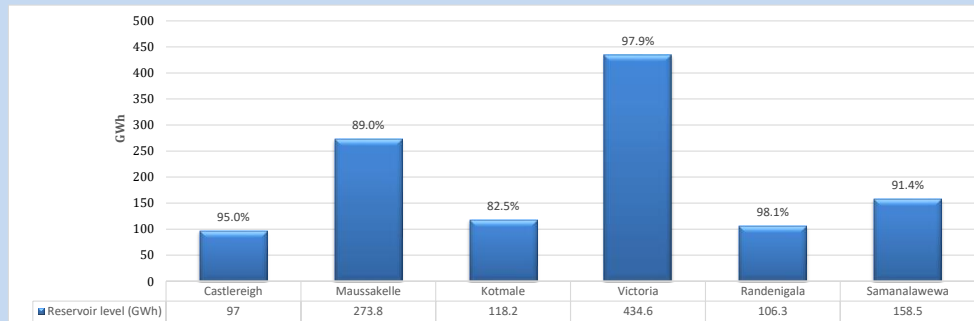
Table 07

Night Peak*	1,925	MW
Day Peak Maximum Demand	1,490	MW
Day Peak Minimum Demand	1,071	MW
Off Peak Minimum Demand	1,076	MW

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

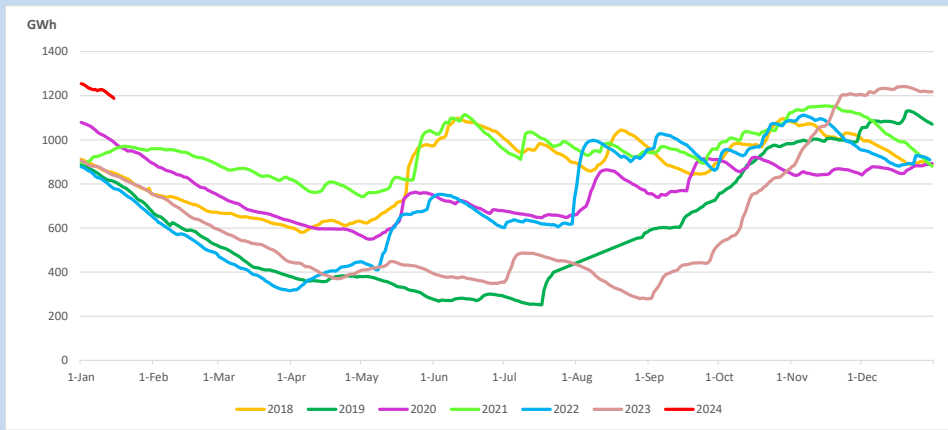
Reservoir Levels -

as at 06.00 Hr on January 16, 2024

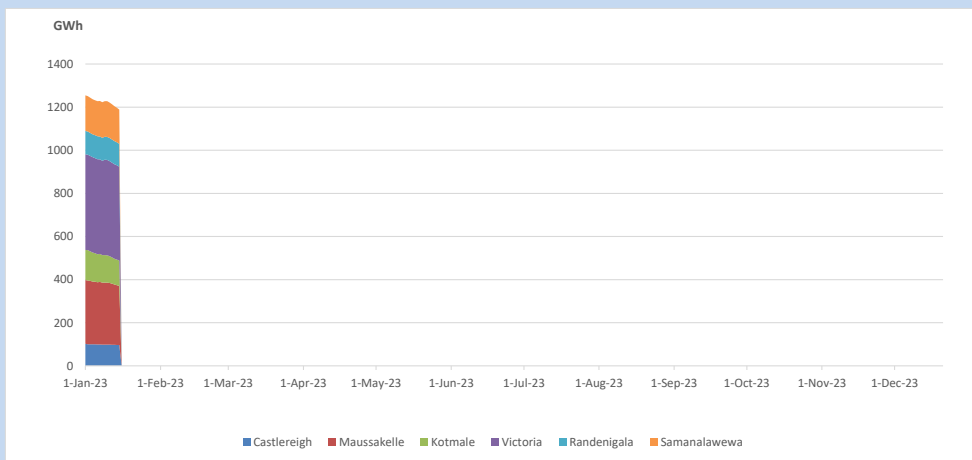


Total Reservoir Level 1188.4 GWh
% of Total capacity 92.9%

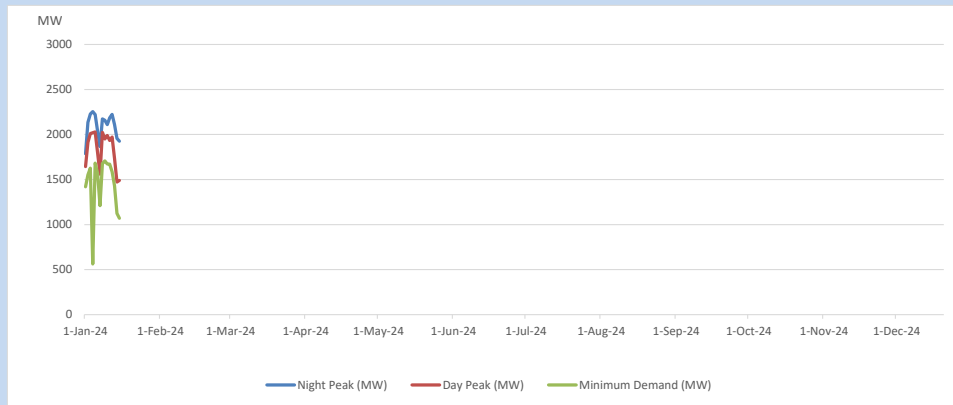
11. Comparison of Total Reservoir Storage Levels with Past Years



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



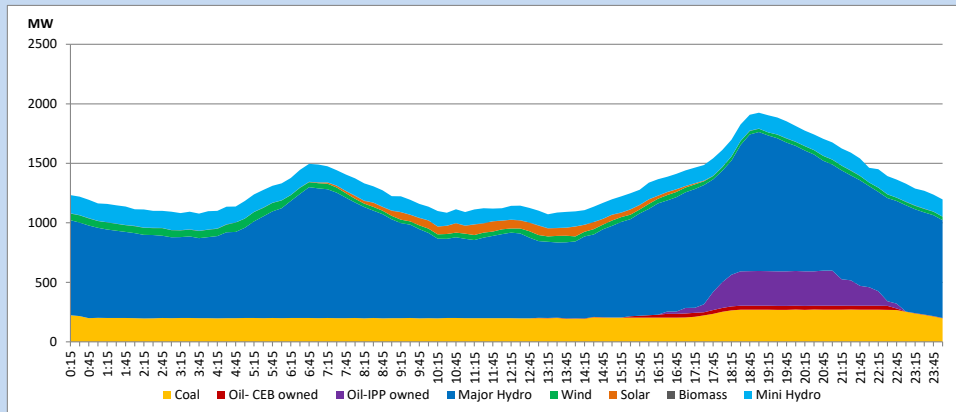
13. Variation of Demand during the current year



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

14. Daily Load Curve

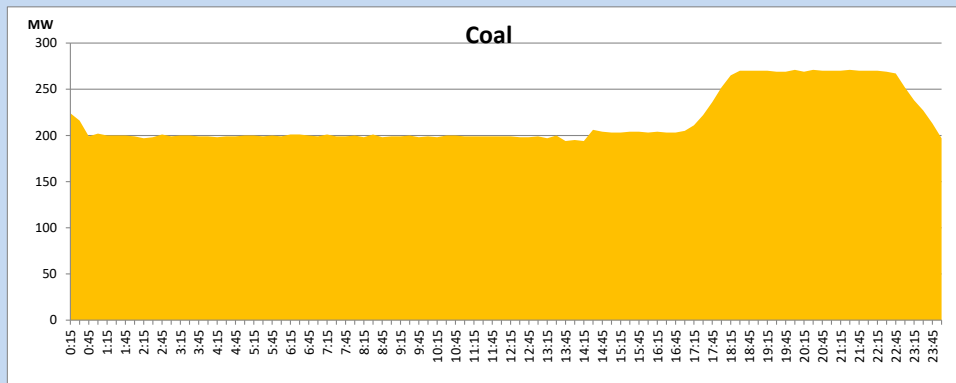
January 15, 2024



Solar and wind data is based on Telemetered Power Stations only

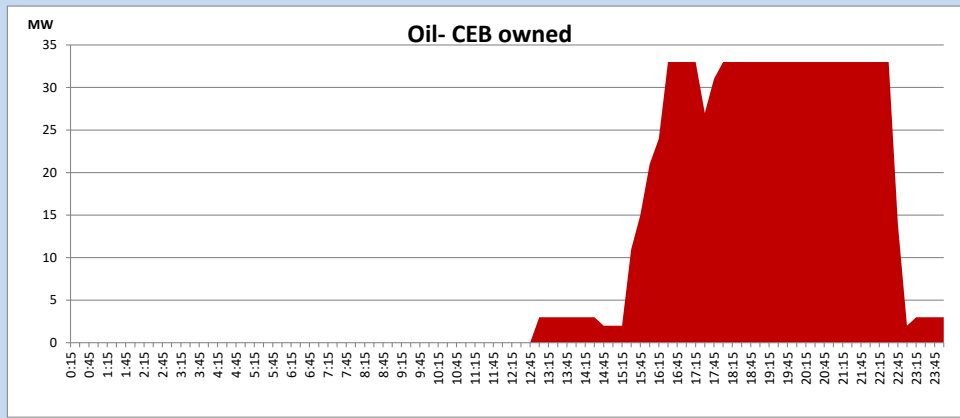
Coal Generation during

January 15, 2024



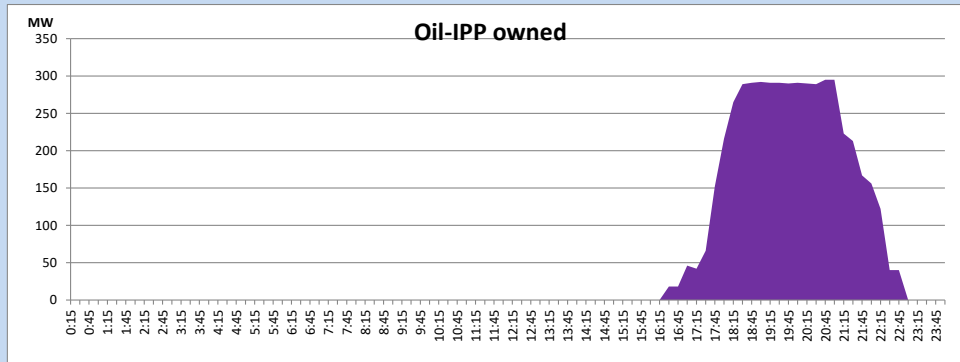
CEB Oil Plant Generation during

January 15, 2024



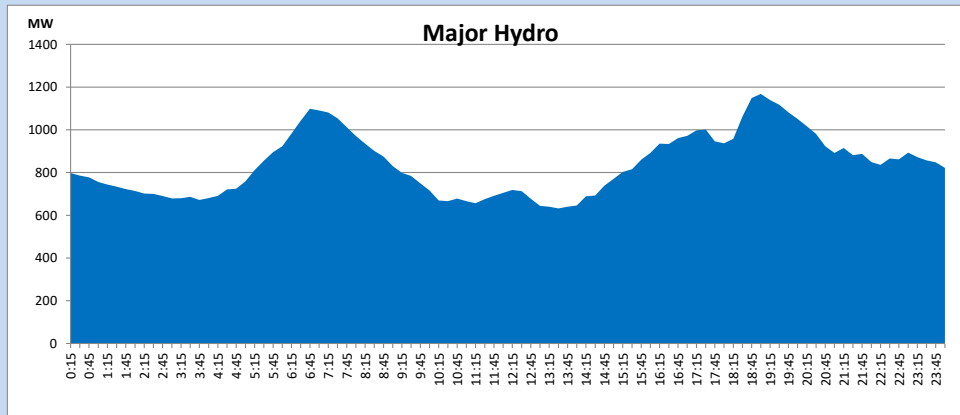
IPP Oil Plant Generation during

January 15, 2024



Major Hydro Generation during

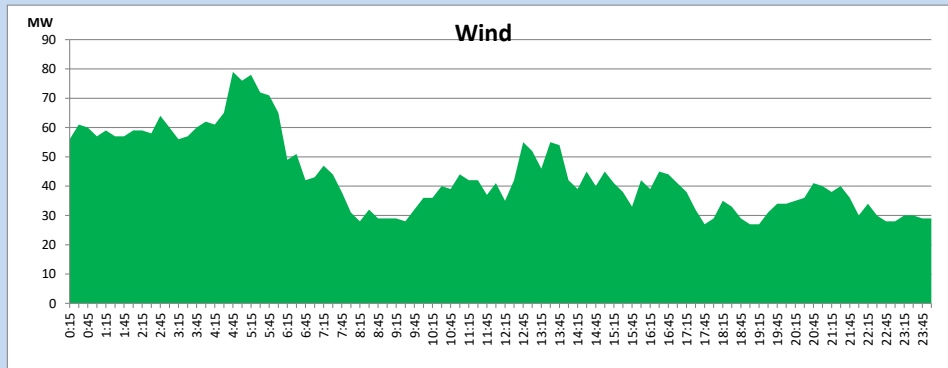
January 15, 2024



Wind Generation during

January 15, 2024

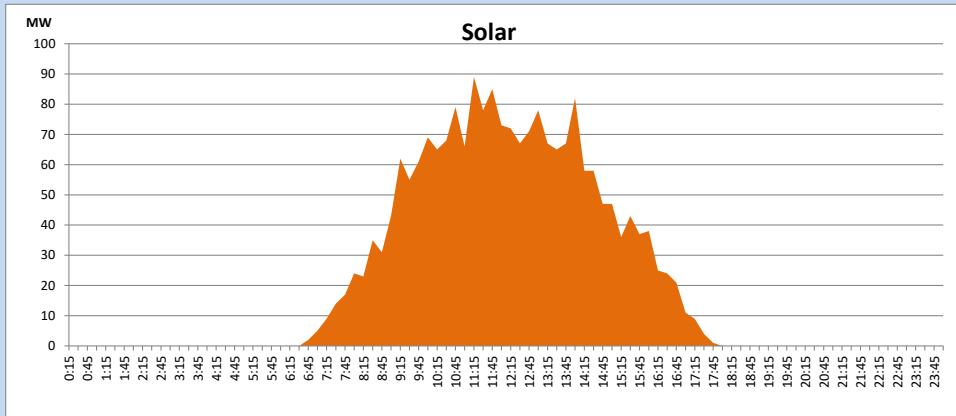
Based on Telemetered Power Stations only



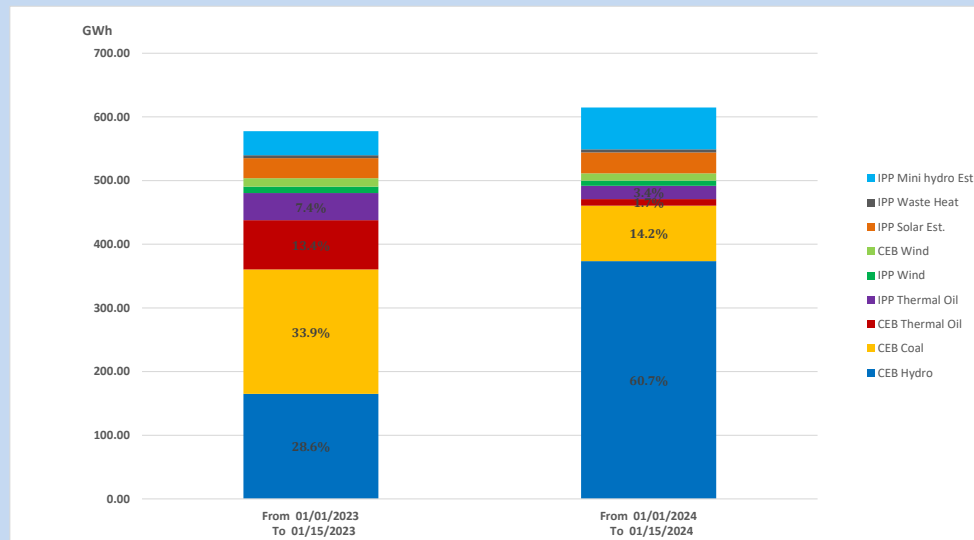
Solar Generation during

January 15, 2024

Based on Telemetered Power Stations only



15. Cumulative Dispatch Comparison with Last Year



Cumulative dispatch
From 01/01/2023 To 01/15/2023
From 01/01/2024 To 01/15/2024

578 GWh
615 GWh

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

Thermal Plant Fuel types

Table 08

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
KCCPS -2	Auto Diesel

Power Station	Primary Fuel
Private Thermal	
West Coast	Auto Diesel / Heavy Fuel
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

Major Incidents reported during the day

January 15, 2024

- 1) Rantambe pond spilled intermittently and the spilling stopped at 10:06hrs
- 2) Monaragala – Uma Oya cct energized for the first time from Uma Oya PS side only at 23:42hrs, for the purpose of soak test