Generation and Reservoirs Statistics

January 26, 2024

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix in MWh

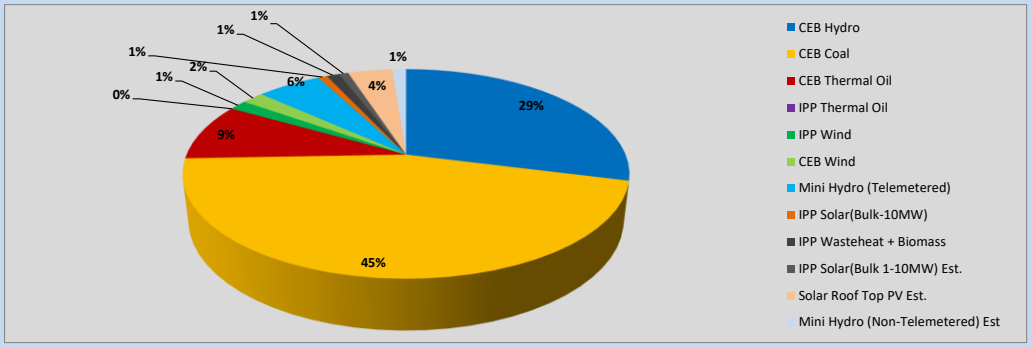


Table 01

	Generation (MWh)
CEB Hydro	12,390
CEB Coal	19,456
CEB Thermal Oil	3,777
IPP Thermal Oil	-
IPP Wind	658
CEB Wind	816
Mini Hydro (Telemetered)	2,386
IPP Solar (Bulk)	333
IPP Waste heat + Biomass	463
Total Generation (Excluding estimated figures)	**40,279**
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	508
* Estimated IPP Solar PV (Bulk 1-10MW)	352
* Estimated Solar Roof Top PV	1650
Total Generation (Including estimated figures)	**42,789**

*** 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

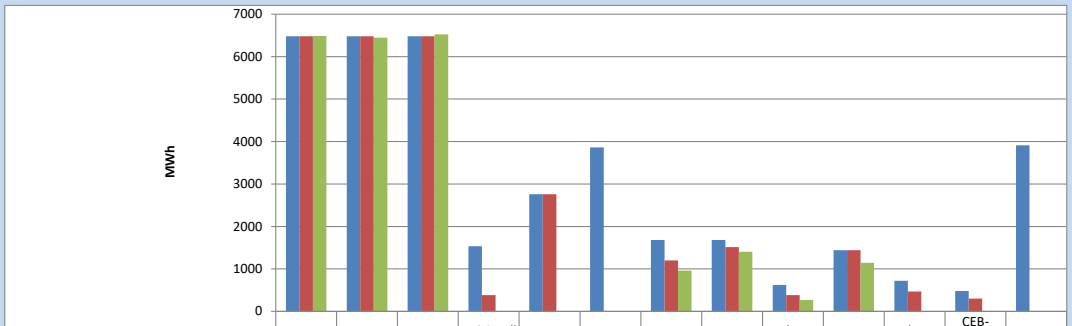
Category	Dispatch (GWh)	
CEB Hydro	567	52.44%
CEB Coal	230	21.28%
CEB Thermal Oil	40	3.70%
IPP Thermal	43	3.94%
SPP Wind	13	1.19%
CEB Wind	17	1.56%
Mini Hydro *	104	9.65%
IPP Solar *	58	5.39%
IPP Waste heat + BMP	9	0.85%
Total	**1,082**	

Table 04 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	567	52.44%
CEB Coal	230	21.28%
CEB Thermal Oil	40	3.70%
IPP Thermal	43	3.94%
SPP Wind	13	1.19%
CEB Wind	17	1.56%
Mini Hydro *	104	9.65%
IPP Solar *	58	5.39%
IPP Waste heat	9	0.85%
Total	**1,082**	

*Including estimated contribution from non telemetered plants

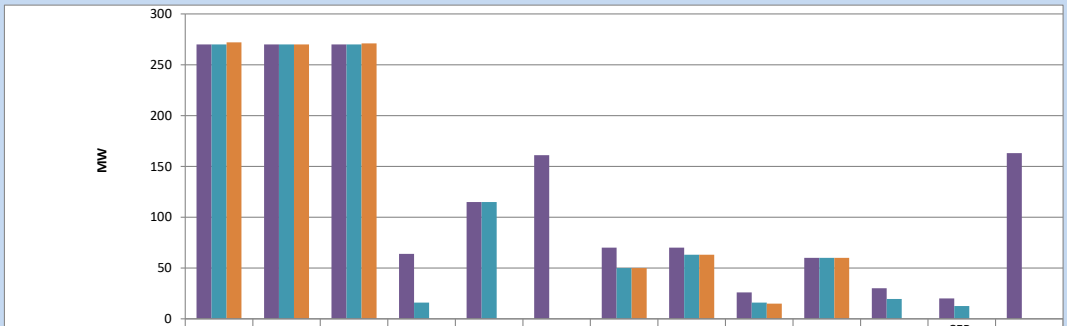
3. CEB owned Thermal Plant Dispatch January 26, 2024



	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS-2
Rated Daily Generation Capacity (MWh)	6480	6480	6480	1536	2760	3864	1680	1680	624	1440	720	480	3912
Available Generation (MWh)	6480	6480	6480	384	2760	0	1200	1512	384	1440	468	300	0
Actual generation (MWh)	6487	6445	6524	0	0	0	961	1402	270	1144	0	0	0

Available Generation is estimated based on plant availability at 6.00am on January 27, 2024

4. CEB owned Thermal Plant Loading at the Night Peak

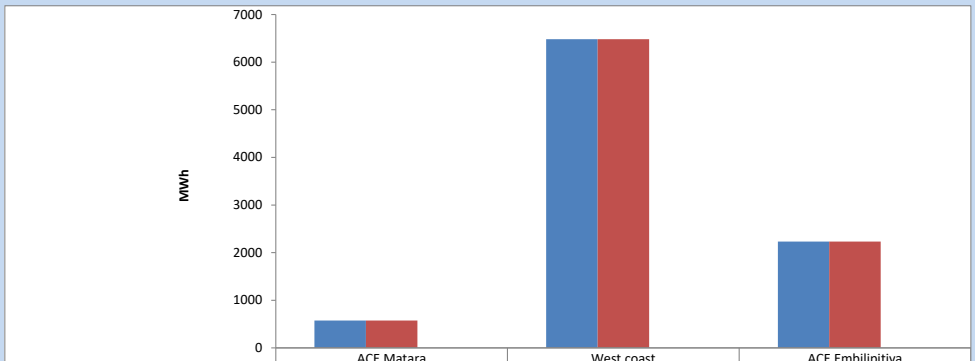


	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS -2
Installed Capacity (MW)	270	270	270	64	115	161	70	70	26	60	30	20	163
Available Capacity (MW)	270	270	270	16	115	0	50	63	16	60	20	13	0
Night Peak Load (MW)	272	270	271	0	0	0	50	63	15	60	0	0	0

Plant availability is recorded at 6.00 am on January 27, 2024

5. IPP owned Thermal Plant Dispatch

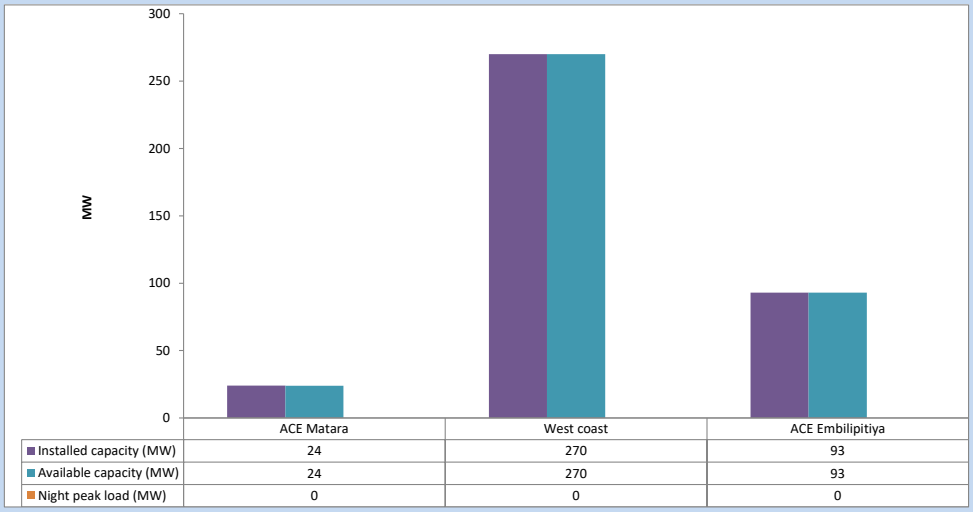
January 26, 2024



	ACE Matara	West coast	ACE Embilipitiya
Rated Daily Generation Capacity (MWh)	576	6480	2232
Available Generation (MWh)	574	6480	2232
Actual generation (MWh)	0	0	0

Available Generation is estimated based on plant availability at 6.00am on January 27, 2024

6. IPP owned Thermal Plant Loading at the Night Peak

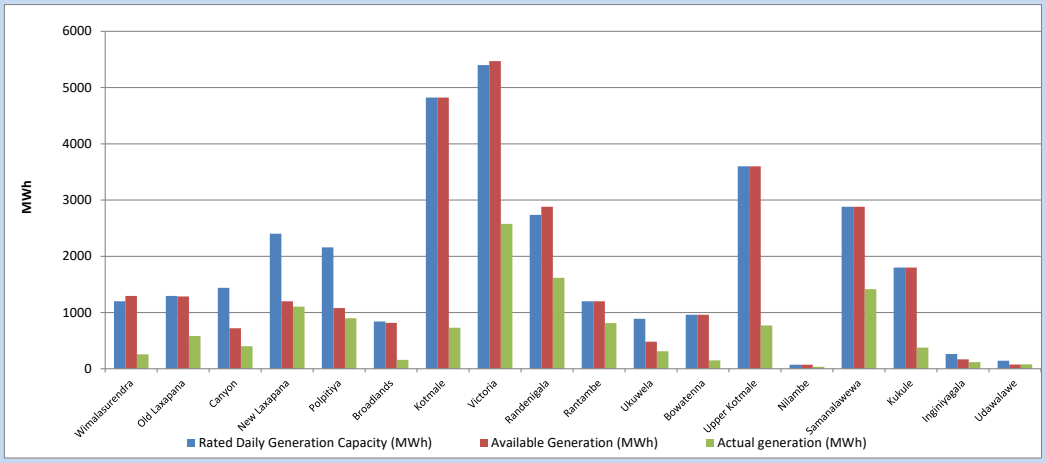


	ACE Matara	West coast	ACE Embilipitiya
Installed capacity (MW)	24	270	93
Available capacity (MW)	24	270	93
Night peak load (MW)	0	0	0

Plant availability is recorded at 6.00 am on January 27, 2024

7. Major Hydro Plant Dispatch

January 26, 2024

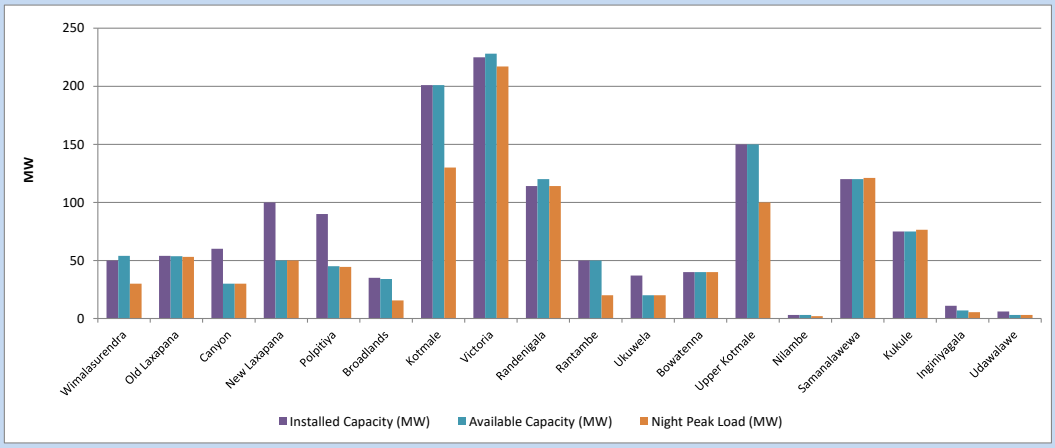


Available Generation is estimated based on plant availability at 6.00am on January 27, 2024

Broadlands power plant is operating in the Commissioning Stage

8. Major Hydro Plant Loading at Night Peak

January 26, 2024



Plant availability is recorded at 6.00 am on January 27, 2024

Broadlands power plant is operating in the Commissioning Stage

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	30	255
Old Laxapana	54	54	53	581
Canyon	60	30	30	401
New Laxapana	100	50	50	1,104
Polpitiya	90	45	45	900
Broadlands	35	34	16	158
Kotmale	201	201	130	730
Victoria	225	228	217	2,577
Randenigala	114	120	114	1,618
Rantambe	50	50	20	812
Ukuwela	37	20	20	311
Bowatenna	40	40	40	149
Upper Kotmale	150	150	100	771
Nilambe	3	3	2	35
Samanalawewa	120	120	121	1,416
Kukule	75	75	77	375
Inginiyagala	11	7	5	119
Udawalawe	6	3	3	78
Puttalam Coal I	270	270	272	6,487
Puttalam Coal II	270	270	270	6,445
Puttalam Coal III	270	270	271	6,524
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	50	50	961
Sapugaskanda B	70	63	63	1,402
Uthura Janani	26	16	15	270
Barge CEB	60	60	60	1,144
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	0	0
West Coast	270	270	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	93	0	0
Total	3,483	2,833	2,257	40,279

Plant availability is the availability recorded at 6 am on January 27, 2024

10. Contribution to the Night Peak in MW

January 26, 2024

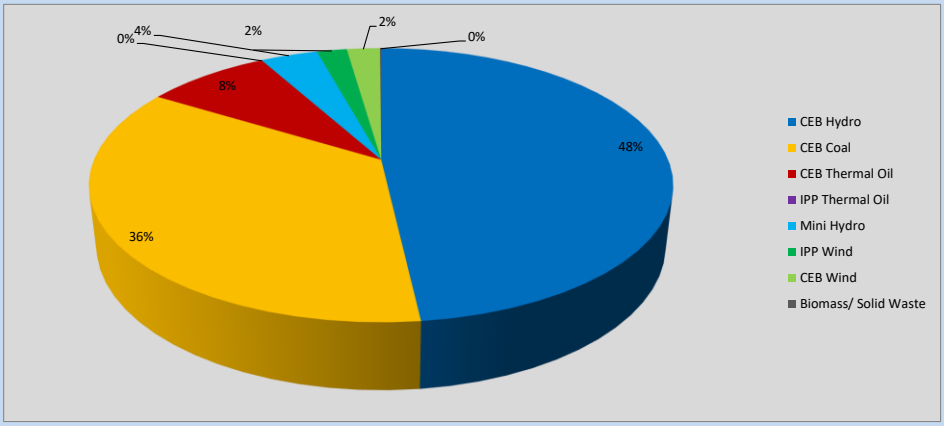


Table 06

CEB Hydro	1103	MW
CEB Coal	813	MW
CEB Thermal Oil	188	MW
IPP Thermal Oil	0	MW
Mini Hydro (Telemetered)	87	MW
IPP Wind	45.5	MW
CEB Wind	50.1	MW
Biomass/ Solid Waste	2	MW

Recorded Peak Demand Data

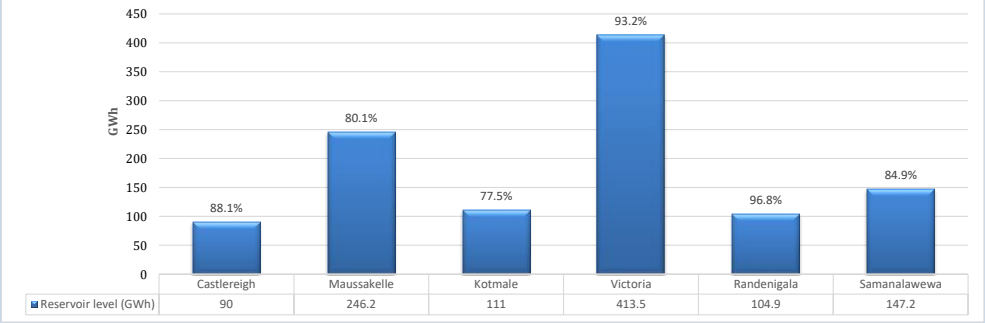
Table 07

Night Peak*	2,288	MW
Day Peak Maximum Demand	2,038	MW
Day Peak Minimum Demand	256	MW
Off Peak Minimum Demand	1,175	MW

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

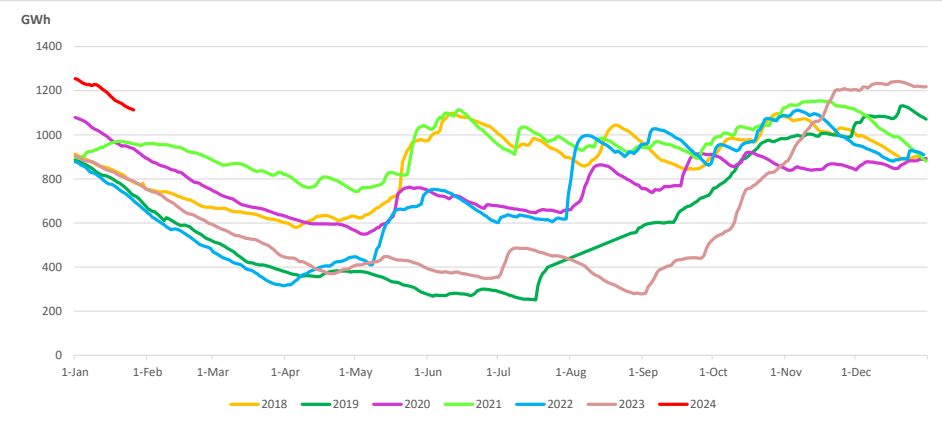
Reservoir Levels -

as at 06.00 Hr on January 27, 2024

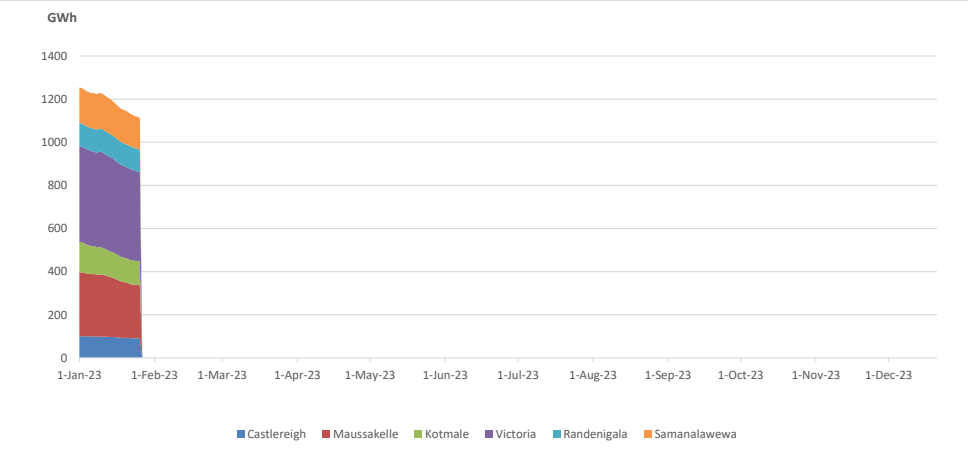


Total Reservoir Level 1112.8 GWh
% of Total capacity 87.1%

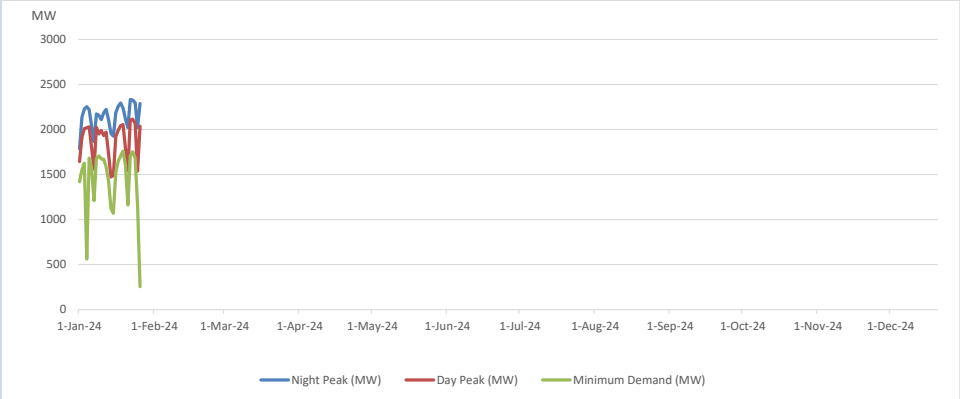
11. Comparison of Total Reservoir Storage Levels with Past Years



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

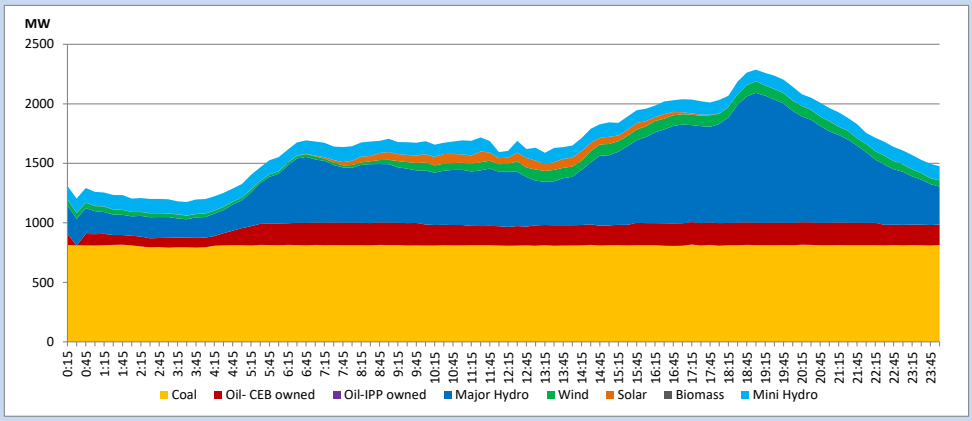


13. Variation of Demand during the current year



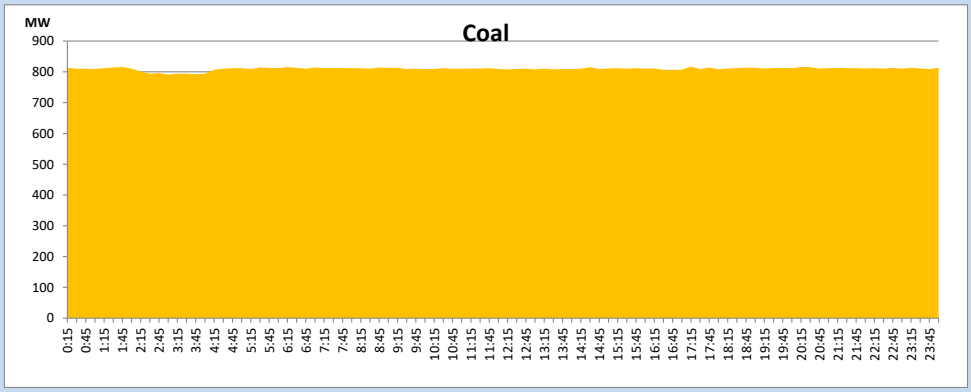
The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

14. Daily Load Curve January 26, 2024

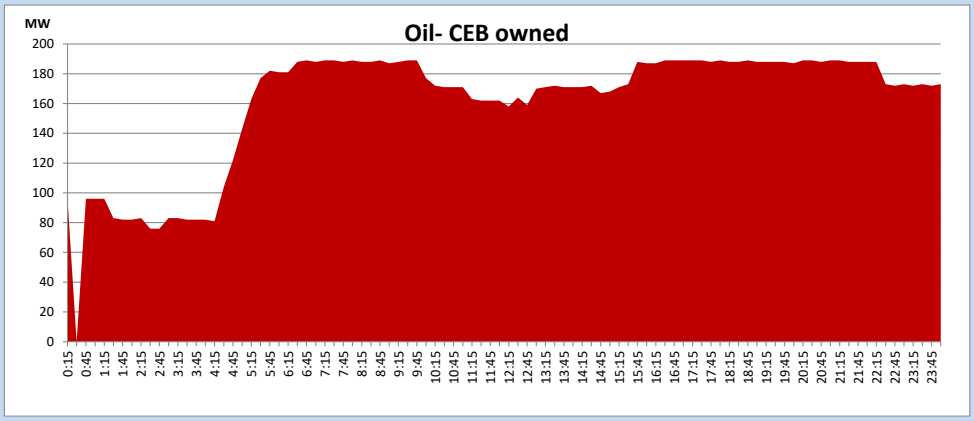


Solar and wind data is based on Telemetered Power Stations only

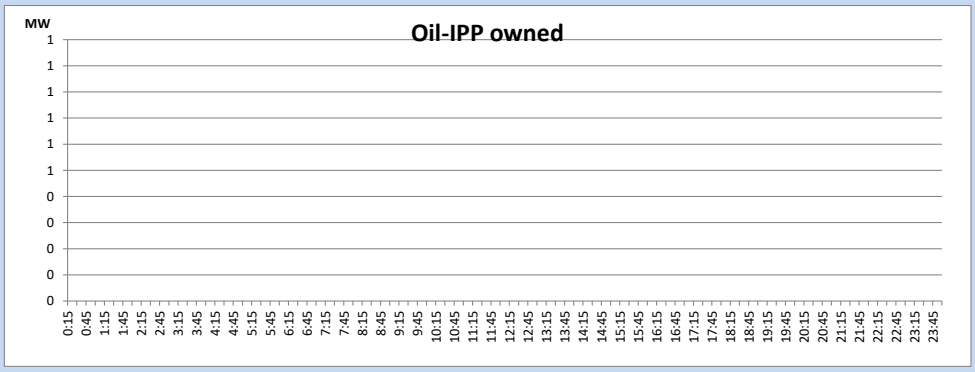
Coal Generation during January 26, 2024



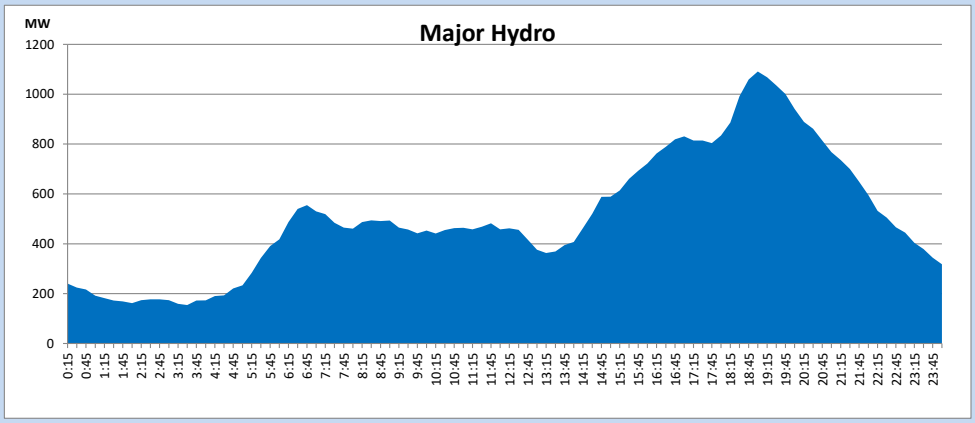
CEB Oil Plant Generation during **January 26, 2024**



IPP Oil Plant Generation during **January 26, 2024**

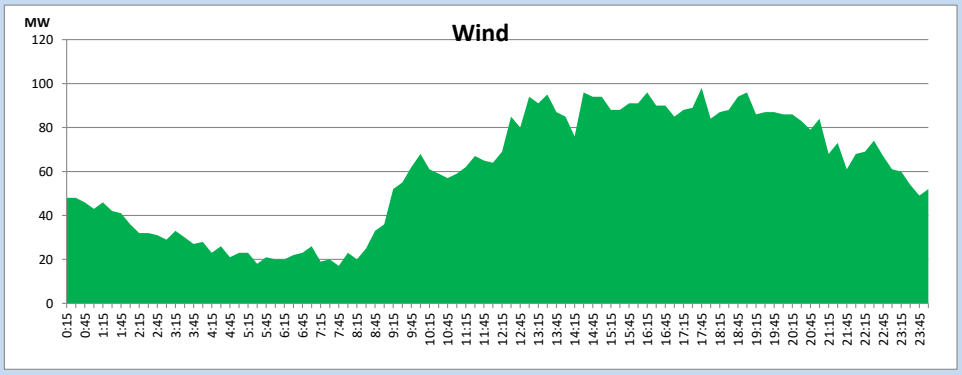


Major Hydro Generation during **January 26, 2024**



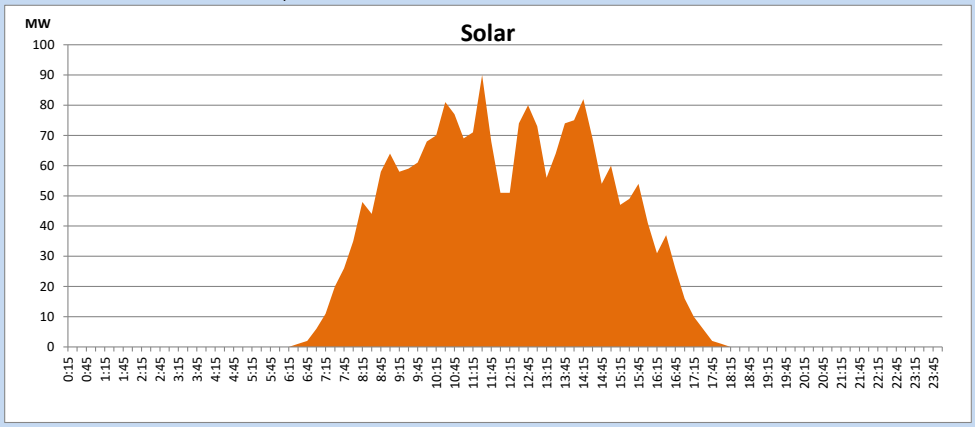
Wind Generation during January 26, 2024

Based on Telemetered Power Stations only

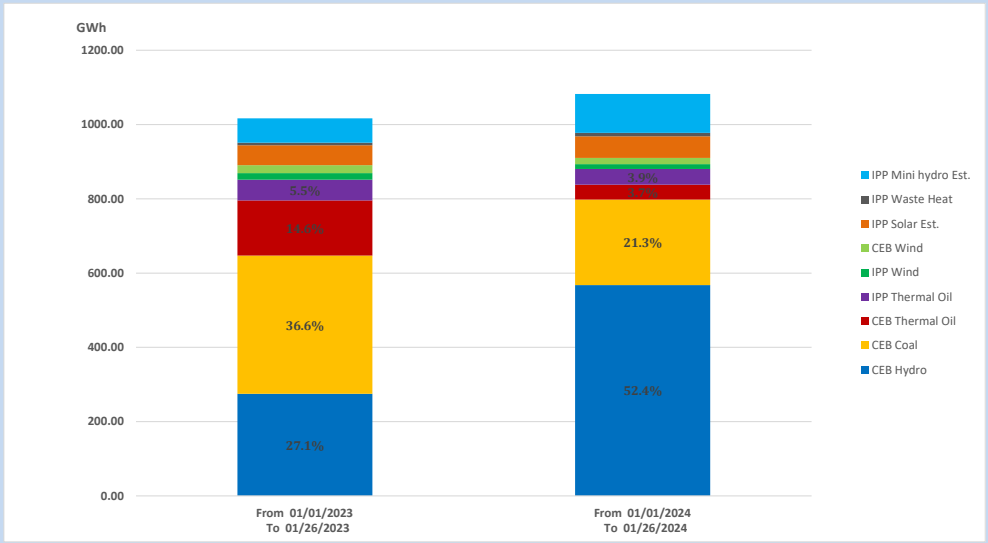


Solar Generation during January 26, 2024

Based on Telemetered Power Stations only



15. Cumulative Dispatch Comparison with Last Year



Cumulative dispatch

* **From 01/01/2023 To 01/26/2023** **1017 GWh**

From 01/01/2024 To 01/26/2024 **1082 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 26, 2024

1) Uma oya 132/10.5kV Unit T/F 01 energized for the first time for the soak test at 16:59hrs