

Generation and Reservoirs Statistics

January 10, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 10, 2025

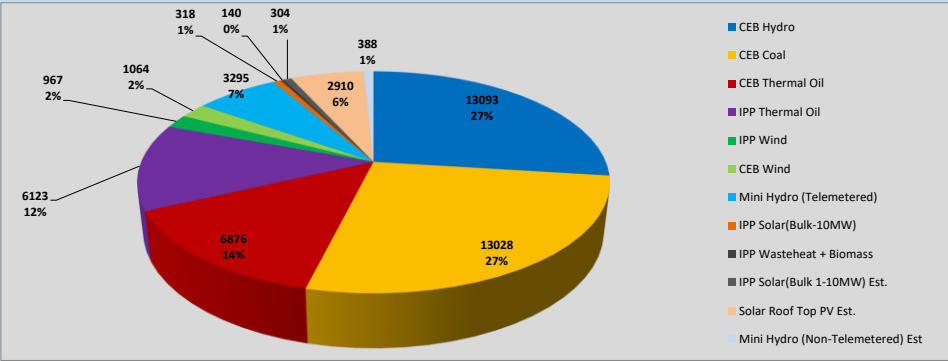


Table 01

	Generation (MWh)
CEB Hydro	13,093
CEB Coal	13,028
CEB Thermal Oil	6,876
IPP Thermal Oil	6,123
IPP Wind	967
CEB Wind	1,064
Mini Hydro (Telemetered)	3,295
IPP Solar (Bulk)	318
IPP Waste heat + Biomass	140
Total Generation (Excluding estimated figures)	44,904
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	388
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	48,506
* Estimated figures of CEB generation report	

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	145	32.36%
CEB Coal	129	28.86%
CEB Thermal Oil	63	13.98%
IPP Thermal	23	5.13%
IPP Wind	7	1.66%
CEB Wind	9	1.97%
Mini Hydro *	35	7.72%
IPP Solar *	34	7.61%
IPP Waste heat + BMP	3	0.72%
Total	448	

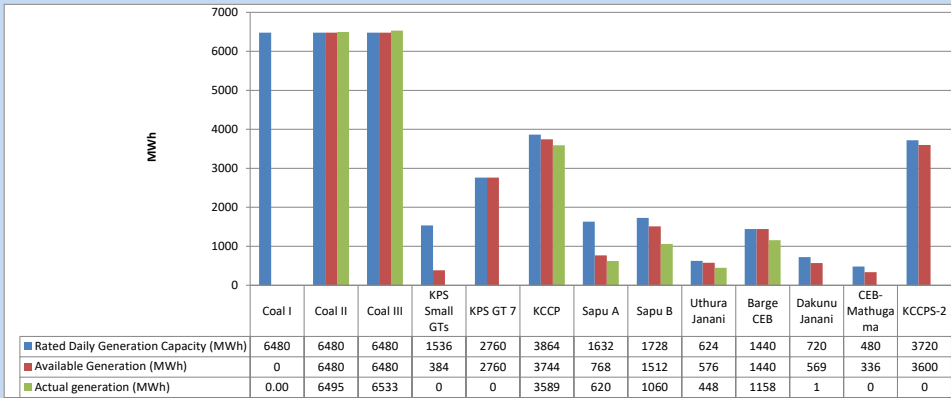
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	145	32.36%
CEB Coal	129	28.86%
CEB Thermal Oil	63	13.98%
IPP Thermal	23	5.13%
IPP Wind	7	1.66%
CEB Wind	9	1.97%
Mini Hydro *	35	7.72%
IPP Solar *	34	7.61%
IPP Waste heat	3	0.72%
Total	448	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 10, 2025

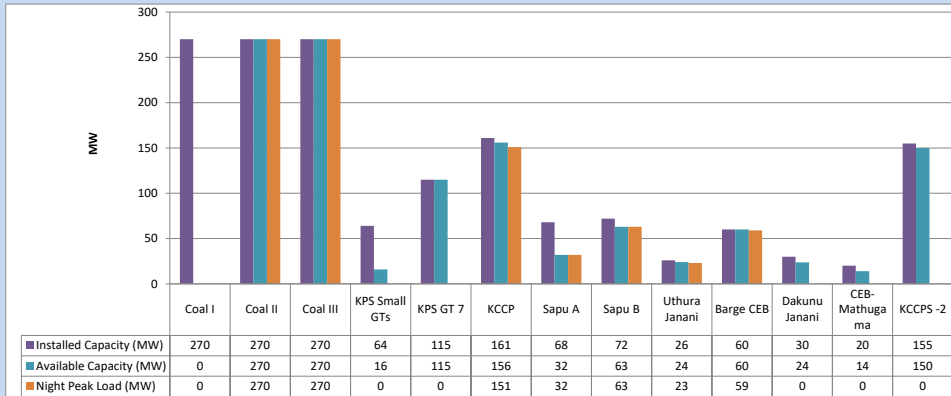


Available Generation is estimated based on plant availability at 6.00am on

January 11, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 10, 2025

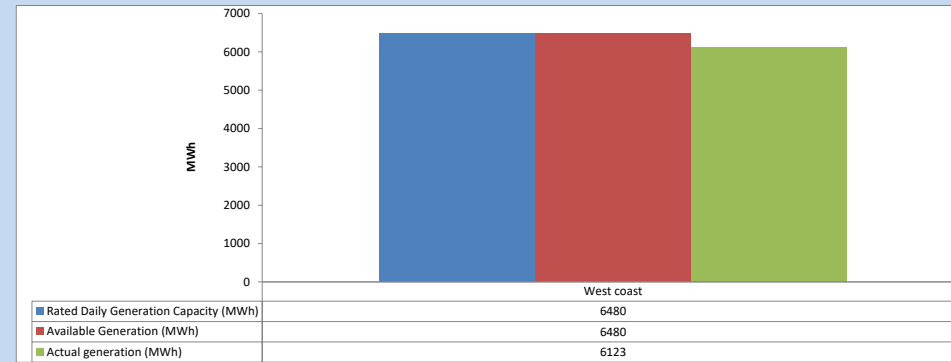


Plant availability is recorded at 6.00 am on

January 11, 2025

1.4 IPP owned Thermal Plant Dispatch

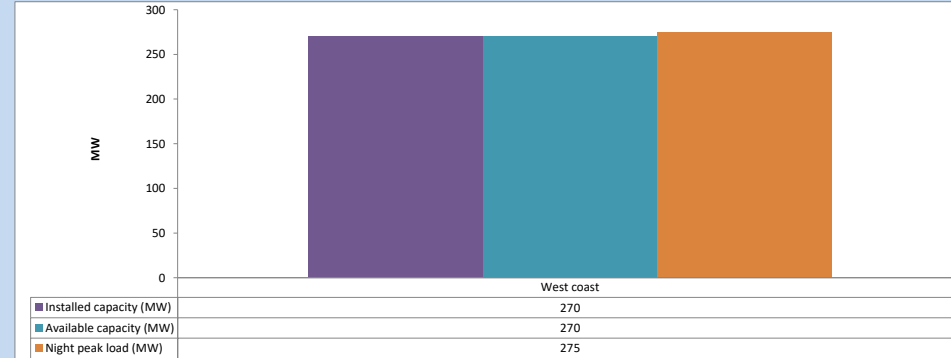
January 10, 2025



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

January 11, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

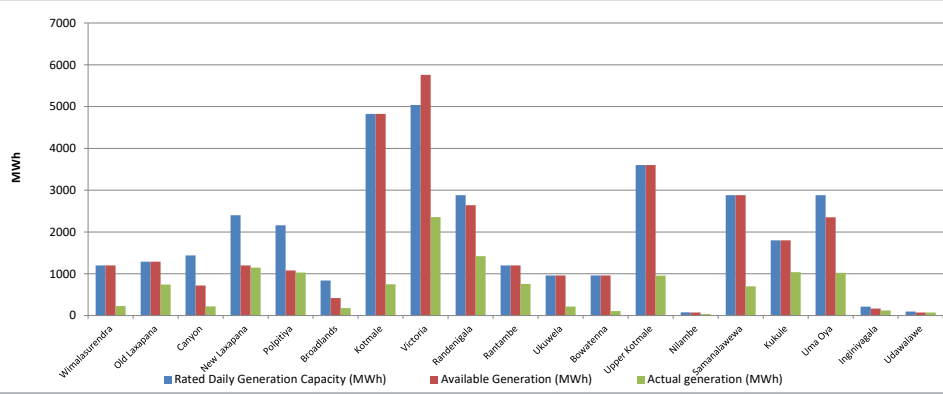


Plant availability is recorded at 6.00 am on

January 11, 2025

1.6 Major Hydro Plant Dispatch

January 10, 2025

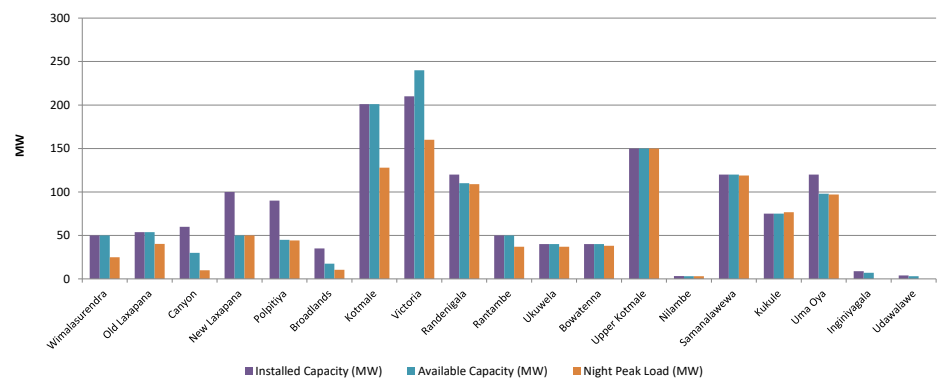


Available Generation is estimated based on plant availability at 6.00am on

January 11, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 10, 2025



Plant availability is recorded at 6.00 am on

January 11, 2025

1.8 Summary of Major Plant performance

January 10, 2025

Table 04				
Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	228
Old Laxapana	54	54	40	741
Canyon	60	30	10	220
New Laxapana	100	50	50	1,145
Polpitiya	90	45	44	1,030
Broadlands	35	18	10	180
Kotmale	201	201	128	750
Victoria	210	240	160	2,357
Randenigala	120	110	109	1,419
Rantambe	50	50	37	757
Ukuwela	40	40	37	216
Bowatenna	40	40	38	106
Upper Kotmale	150	150	150	955
Nilambe	3	3	3	36
Samanalawewa	120	120	119	700
Kukule	75	75	77	1,036
Uma Oya	120	98	97	1,021
Inginipagala	9	7	0	122
Udawalawe	4	3	0	75
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,495
Puttalam Coal III	270	270	270	6,533
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	151	3,589
Sapugaskanda A	68	32	32	620
Sapugaskanda B	72	63	63	1,060
Uthura Janani	26	24	23	448
Barge CEB	60	60	59	1,158
CEB-Hambantota	30	24	0	1
CEB-Mathugama	20	14	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	275	6,123
Sobadhanavi	220	212	0	0
Total	3,602	2,847	2,519	39,121

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 11, 2025

1.9 Contribution to the Night Peak in MW

January 10, 2025

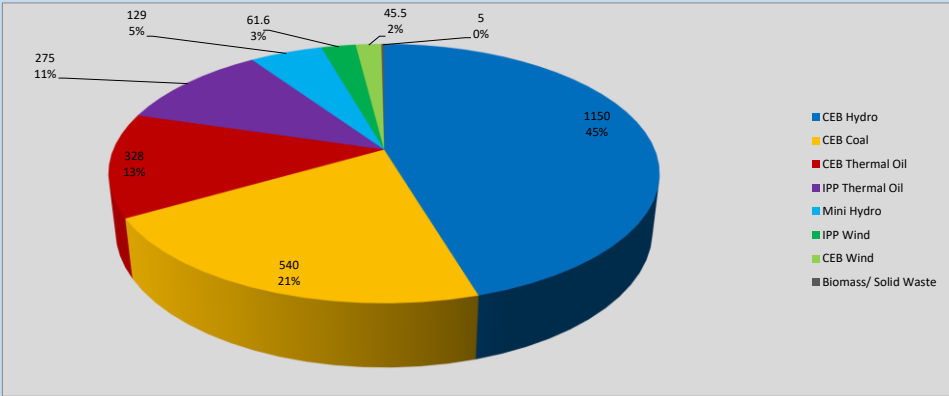


Table 05

CEB Hydro	1,150	MW
CEB Coal	540	MW
CEB Thermal Oil	328	MW
IPP Thermal Oil	275	MW
Mini Hydro (Telemetered)	129	MW
IPP Wind	61.6	MW
CEB Wind	45.5	MW
Biomass/ Solid Waste	5	MW

Recorded Peak Demand Data

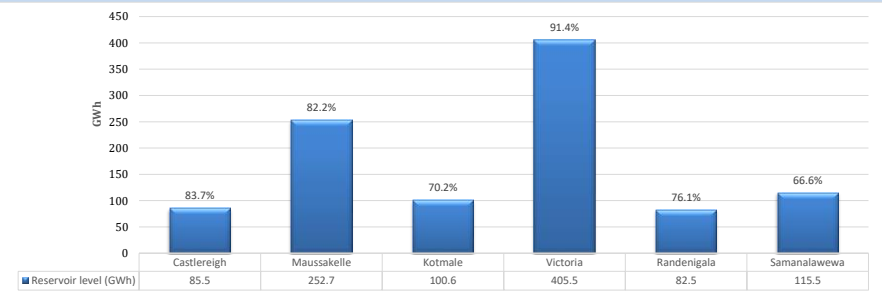
Table 06

Night Peak*	2,534	MW
Day Peak Maximum Demand	2,306	MW
Day Peak Minimum Demand	1,599	MW
Off Peak Minimum Demand	1,431	MW

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

1.10 Reservoir Levels -

as at 06.00 Hr on January 11, 2025



Total Reservoir Level 1,042 GWh
% of Total capacity 81.5%

1.11 Day Ahead Planned Demand Vs Actual Demand (Excluding non telemetered data)

January 10, 2025

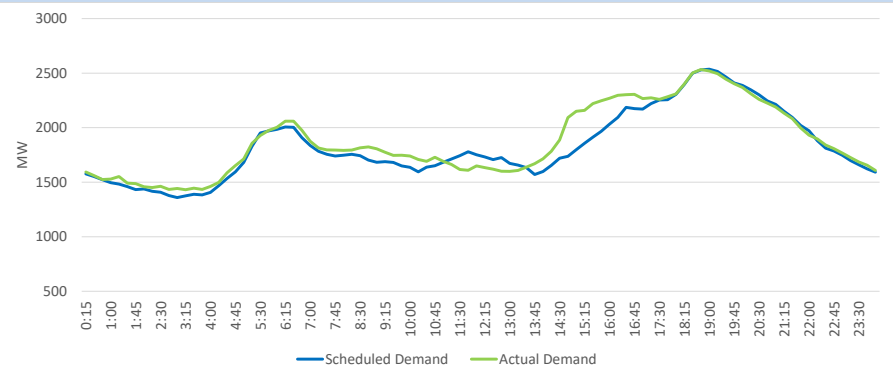
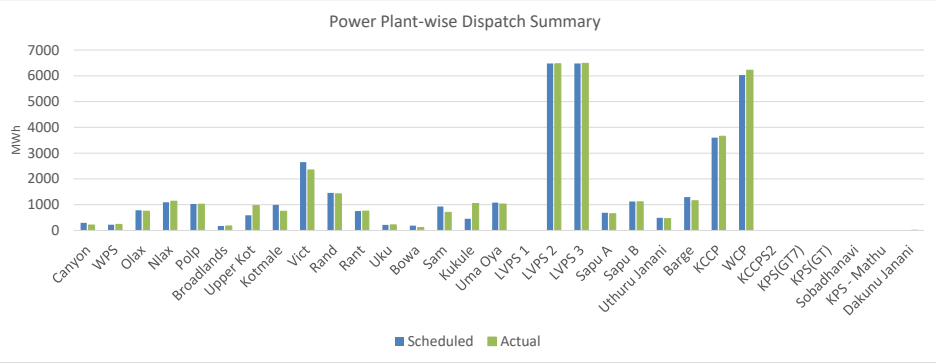


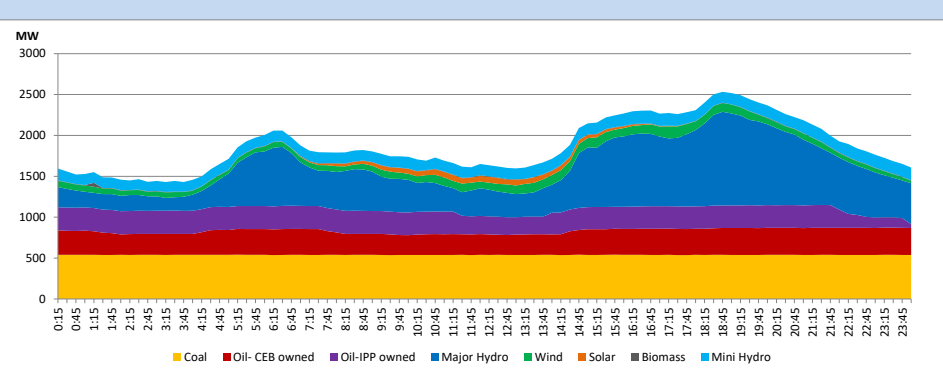
Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	12,881	13,093	212
CEB Coal	12,960	13,028	68
CEB Thermal Oil	7,188	6,876	(312)
IPP Thermal Oil	6,028	6,123	95
NCRE (excluding non telemetered power plants)	4,812	5,784	972
Total	43,870	44,904	1,034

1.12 Power Plant-wise Dispatch Summary January 10, 2025

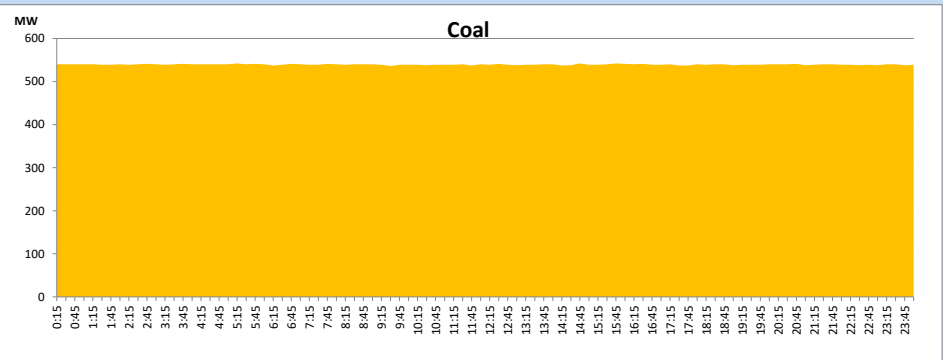


1.13 Daily Load Curve January 10, 2025

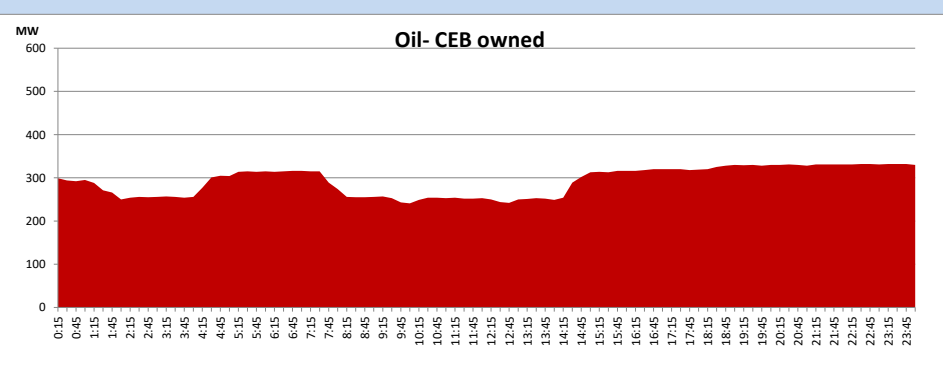


Solar and wind data is based on Telemetered Power Stations only

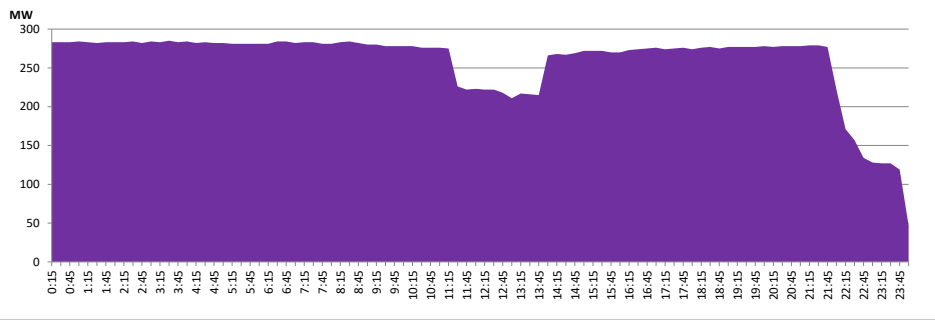
Coal Generation during January 10, 2025



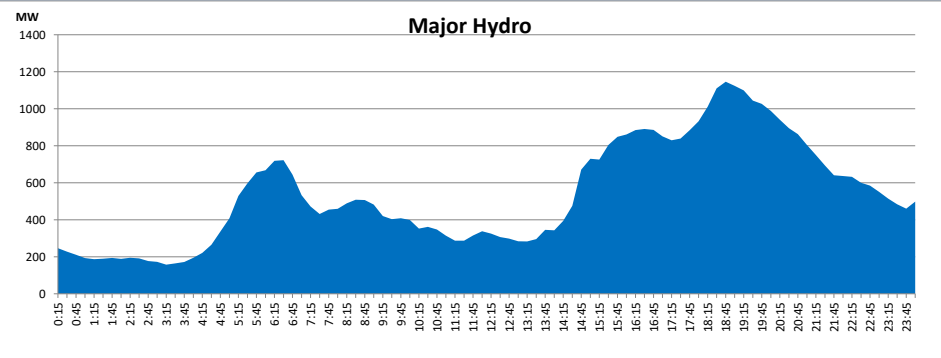
CEB Oil Plant Generation during January 10, 2025



IPP Oil Plant Generation during January 10, 2025

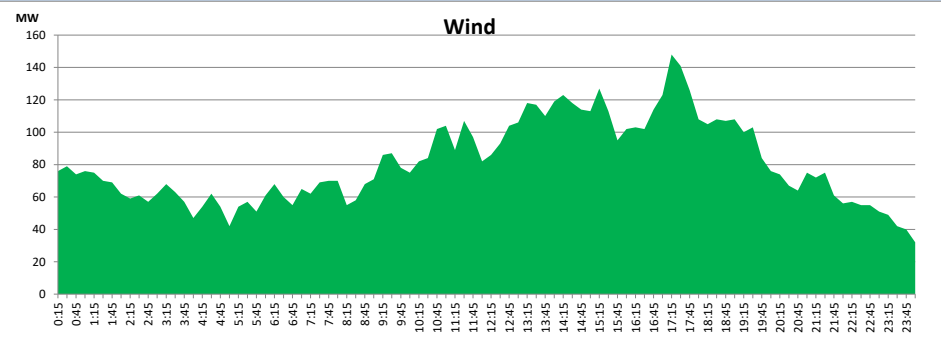


Major Hydro Generation during January 10, 2025



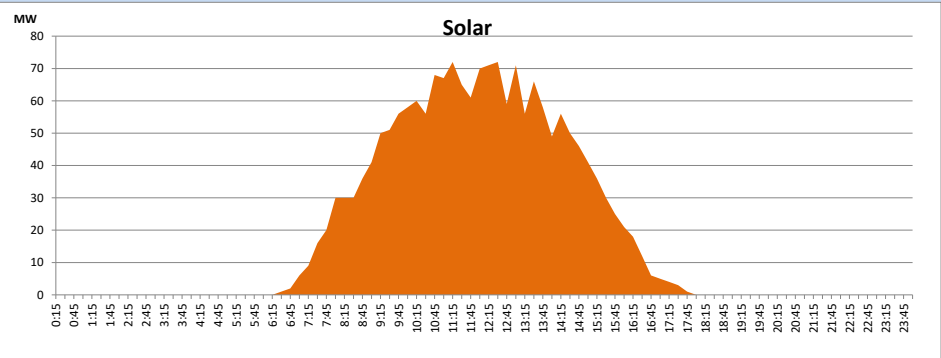
Wind Generation during January 10, 2025

Based on Telemetered Power Stations only



Solar Generation during January 10, 2025

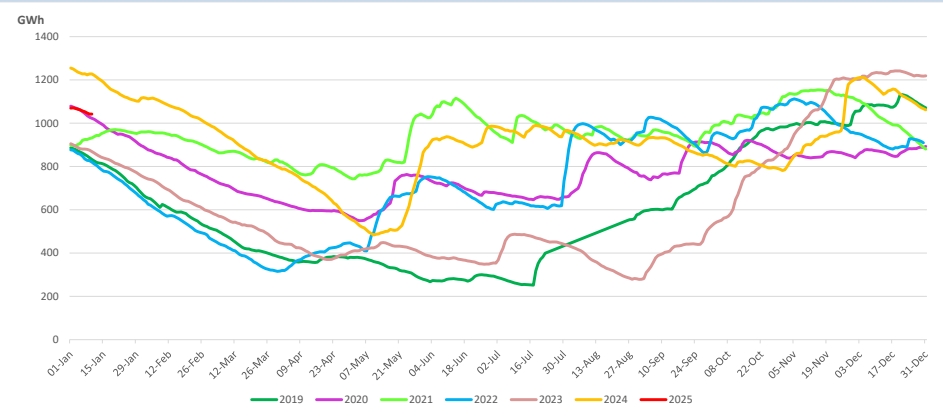
Based on Telemetered Power Stations only



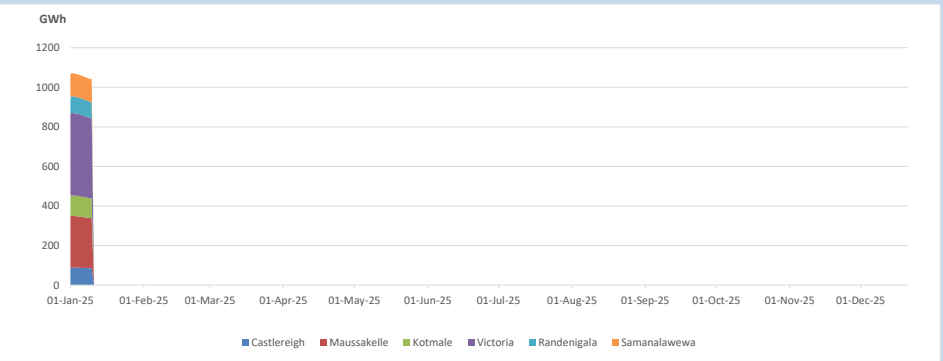
1.14 Major Incidents reported during the day January 10, 2025

- 1) New Anuradhapura - Trinco 132kV cct tripped and A/R from both ends at 15:37hrs and 15:52hrs due to the operation of distance protection.
- 2) Katunayake 132/33kV T/F 01, which tripped on 08.01.2025 was normalized at 17:14hrs.

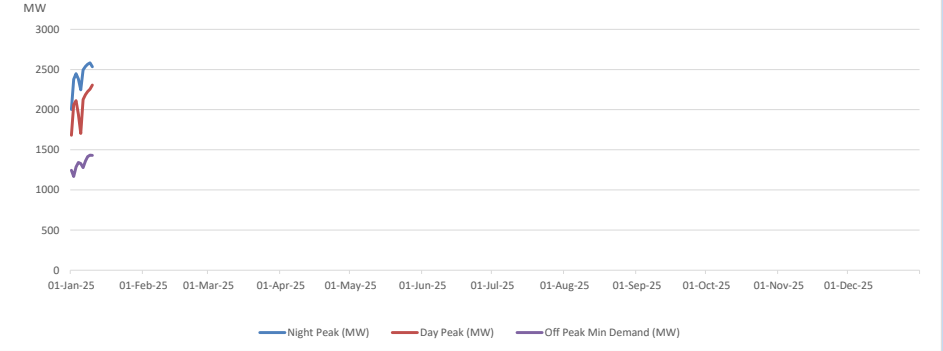
2. Comparison of Total Reservoir Storage Levels with Past Years



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

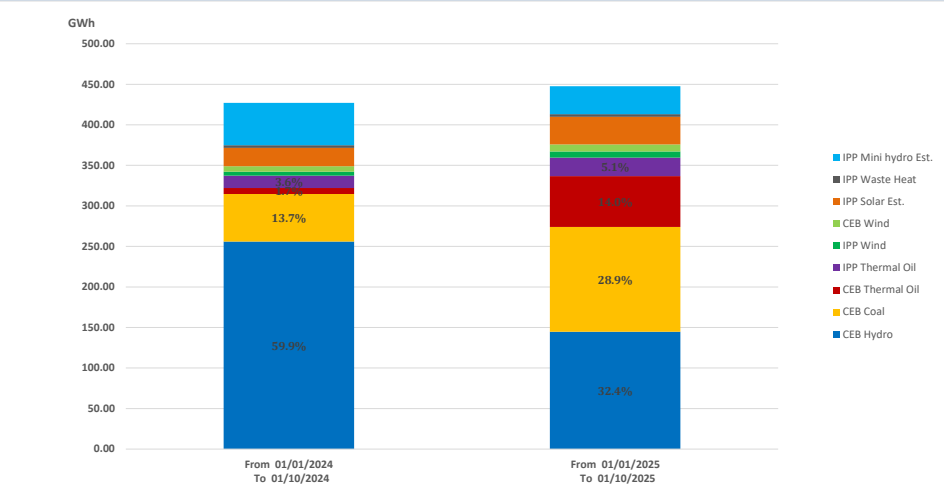


4. Variation of Demand during the current year



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

5. Cumulative Dispatch Comparison with Last Year



Cumulative dispatch
From 01/01/2024 To 01/10/2024 427 GWh
From 01/01/2025 To 01/10/2025 448 GWh
The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants)

Thermal Power 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
Sobadhanavi	Auto Diesel

6. Installed System Capacity

Table 09

	Installed Capacity (MW)
CEB Hydro	1,531
CEB Coal	810
CEB Thermal Oil	771
IPP Thermal Oil (West Coast & Sobadhanavi)	482
IPP Wind	163
CEB Wind	100
Mini Hydro	424
IPP Waste heat + Biomass	55
IPP Solar	143
Rooftop Solar (Ordinary) -CEB	564
Rooftop Solar (LT Bulk) -CEB	357
Rooftop Solar (HT Bulk)- CEB	110
Rooftop Solar - LECO	245

Data Source - Monthly Review Report Oct 2024 for NCRE installed capacities except for Rooftop solar LECO