

Generation and Reservoirs Statistics

January 12, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 12, 2025

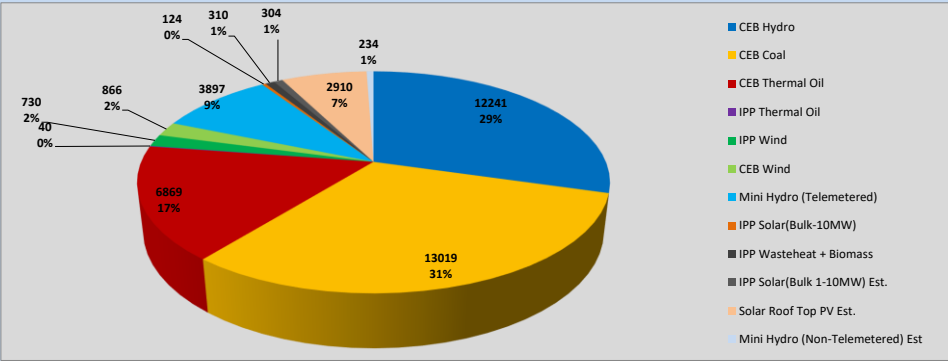


Table 01

	Generation (MWh)
CEB Hydro	12,241
CEB Coal	13,019
CEB Thermal Oil	6,869
IPP Thermal Oil	40
IPP Wind	730
CEB Wind	866
Mini Hydro (Telemetered)	3,897
IPP Solar (Bulk)	124
IPP Waste heat + Biomass	310
Total Generation (Excluding estimated figures)	38,096
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	234
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	41,544
* Estimated figures of CEB generation report	

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	172	32.08%
CEB Coal	155	29.00%
CEB Thermal Oil	77	14.43%
IPP Thermal	24	4.53%
IPP Wind	9	1.72%
CEB Wind	11	2.02%
Mini Hydro *	42	7.89%
IPP Solar *	41	7.61%
IPP Waste heat + BMP	4	0.71%
Total	535	

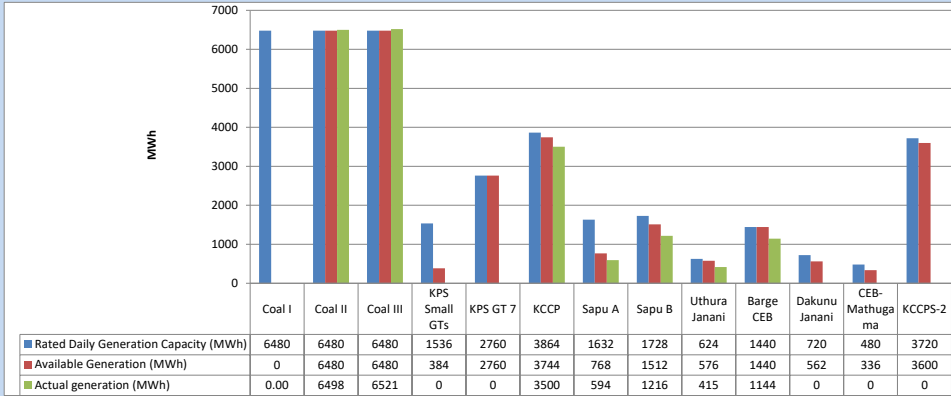
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	172	32.08%
CEB Coal	155	29.00%
CEB Thermal Oil	77	14.43%
IPP Thermal	24	4.53%
IPP Wind	9	1.72%
CEB Wind	11	2.02%
Mini Hydro *	42	7.89%
IPP Solar *	41	7.61%
IPP Waste heat	4	0.71%
Total	535	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 12, 2025

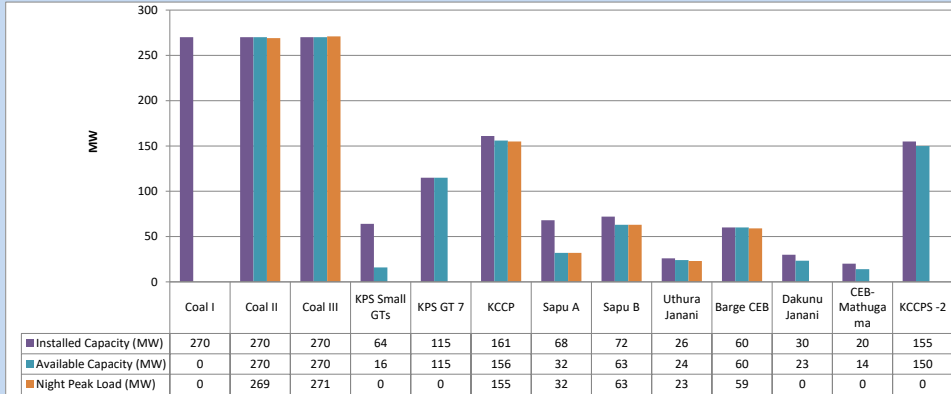


Available Generation is estimated based on plant availability at 6.00am on

January 13, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 12, 2025

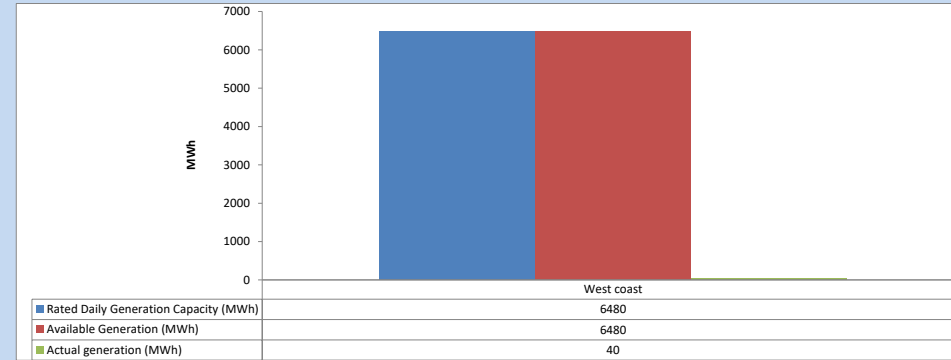


Plant availability is recorded at 6.00 am on

January 13, 2025

1.4 IPP owned Thermal Plant Dispatch

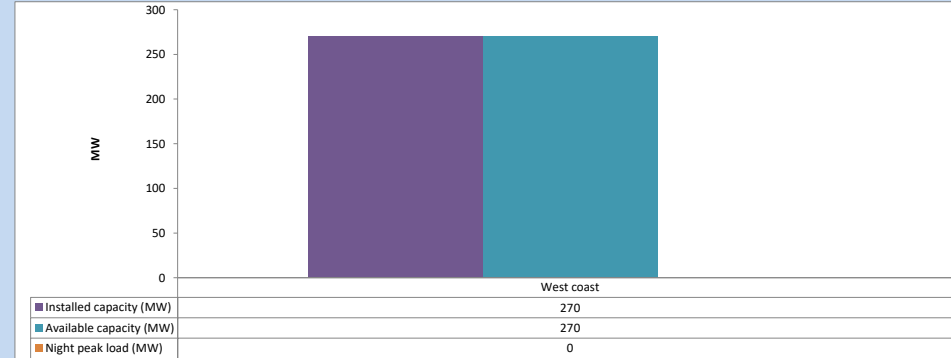
January 12, 2025



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

January 13, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

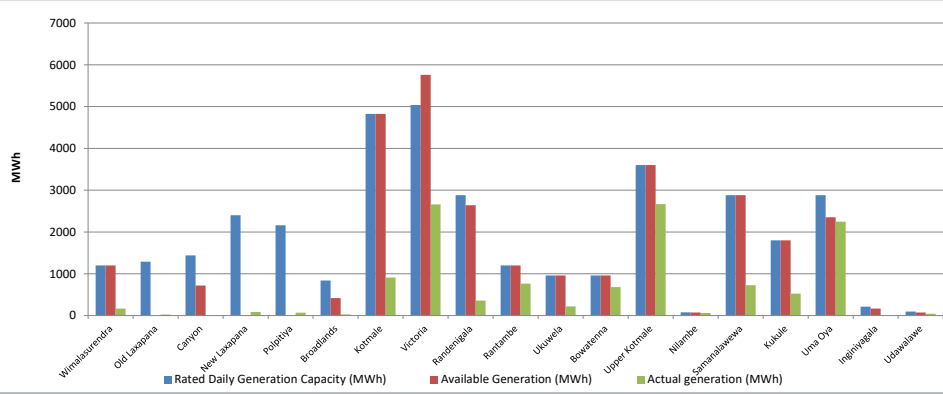


Plant availability is recorded at 6.00 am on

January 13, 2025

1.6 Major Hydro Plant Dispatch

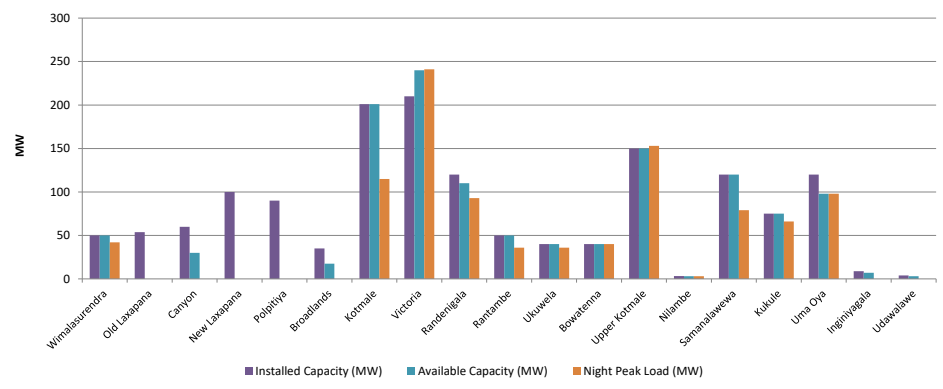
January 12, 2025



Available Generation is estimated based on plant availability at 6.00am on January 13, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 12, 2025



Plant availability is recorded at 6.00 am on January 13, 2025

1.8 Summary of Major Plant performance

January 12, 2025

Table 04				
Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	42	167
Old Laxapana	54	0	0	25
Canyon	60	30	0	0
New Laxapana	100	0	0	86
Polpitiya	90	0	0	70
Broadlands	35	18	0	27
Kotmale	201	201	115	910
Victoria	210	240	241	2,659
Randenigala	120	110	93	360
Rantambe	50	50	36	765
Ukuwela	40	40	36	219
Bowatenna	40	40	40	682
Upper Kotmale	150	150	153	2,668
Nilambe	3	3	3	62
Samanalawewa	120	120	79	728
Kukule	75	75	66	523
Uma Oya	120	98	98	2,247
Inginipagala	9	7	0	0
Udawalawe	4	3	0	43
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,498
Puttalam Coal III	270	270	271	6,521
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	155	3,500
Sapugaskanda A	68	32	32	594
Sapugaskanda B	72	63	63	1,216
Uthura Janani	26	24	23	415
Barge CEB	60	60	59	1,144
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	0	40
Sobadhanavi	220	212	0	0
Total	3,602	2,698	2,097	32,169

Note- Excluding NCRE generation
Plant availability is the availability recorded at 6 am on January 13, 2025

1.9 Contribution to the Night Peak in MW

January 12, 2025

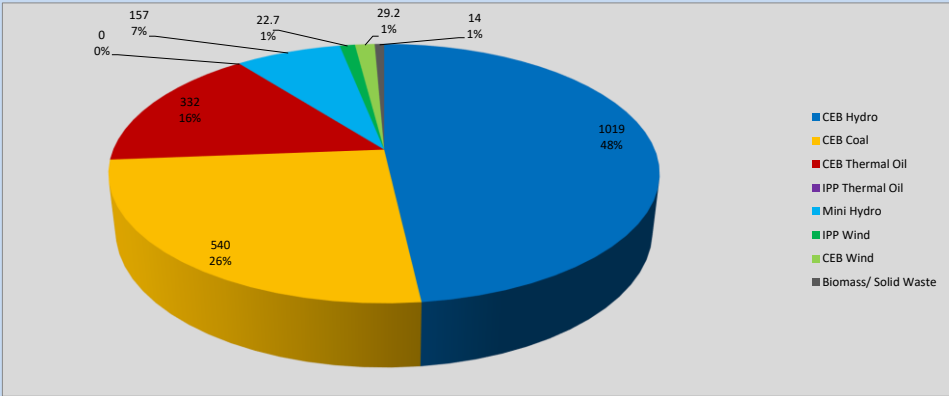


Table 05

CEB Hydro	1,019	MW
CEB Coal	540	MW
CEB Thermal Oil	332	MW
IPP Thermal Oil	0	MW
Mini Hydro (Telemetered)	157	MW
IPP Wind	22.7	MW
CEB Wind	29.2	MW
Biomass/ Solid Waste	14	MW

Recorded Peak Demand Data

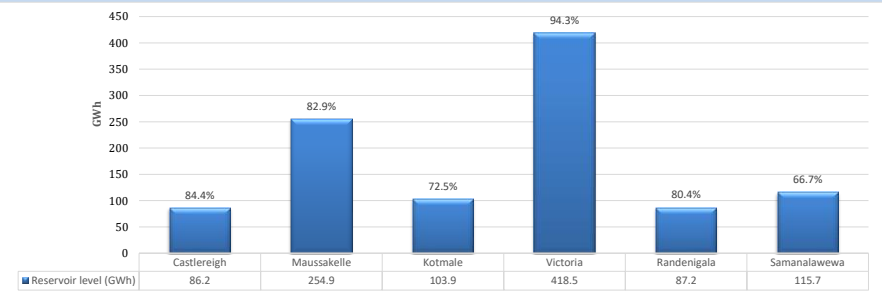
Table 06

Night Peak*	2,114	MW
Day Peak Maximum Demand	1,705	MW
Day Peak Minimum Demand	1,432	MW
Off Peak Minimum Demand	1,309	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 13, 2025



Total Reservoir Level
% of Total capacity

1,066 GWh
83.4%

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

January 12, 2025

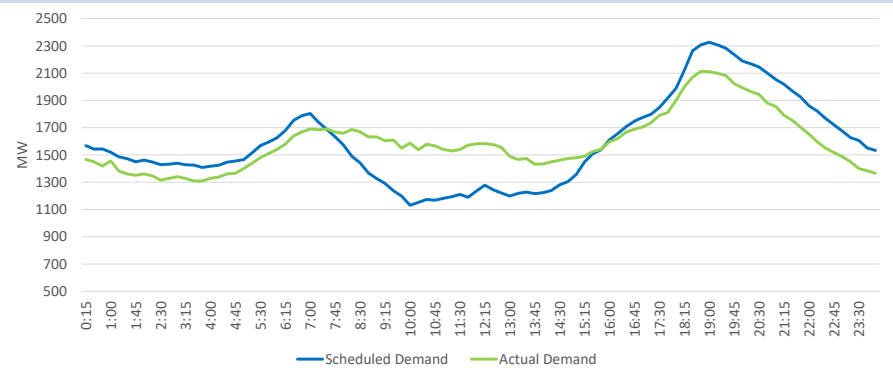
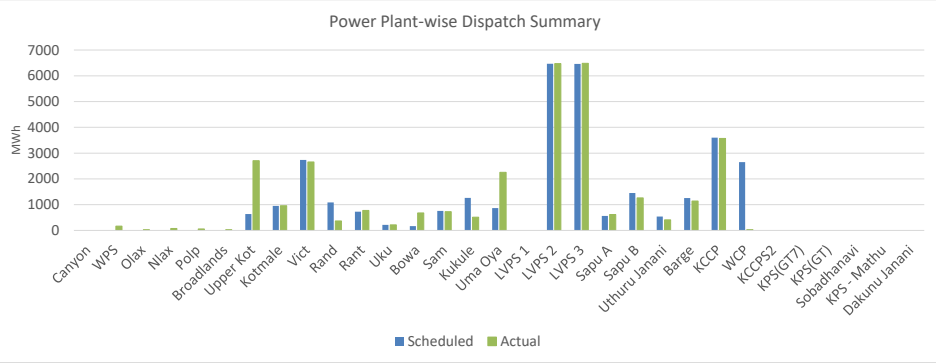


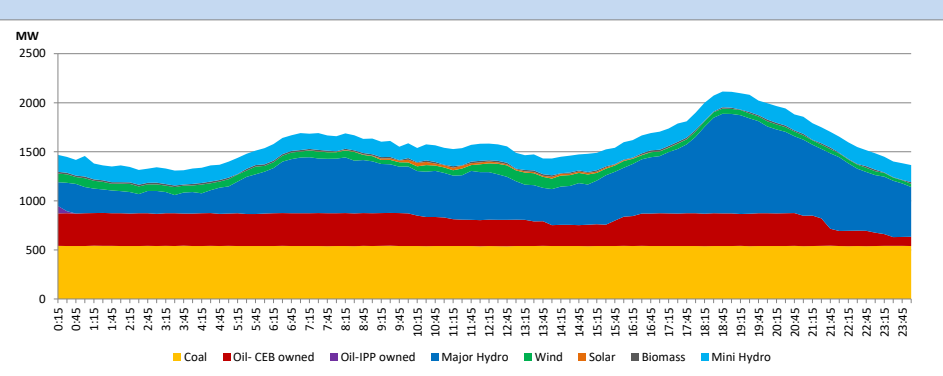
Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	9,401	12,241	2,840
CEB Coal	12,925	13,019	94
CEB Thermal Oil	7,403	6,869	(534)
IPP Thermal Oil	2,647	40	(2,607)
NCRE (excluding non telemetered power plants)	5,706	5,927	221
Total	38,081	38,096	15

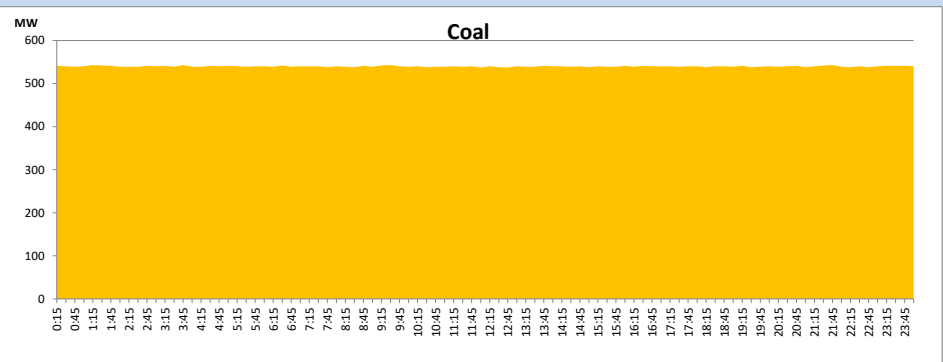
1.12 Power Plant-wise Dispatch Summary January 12, 2025



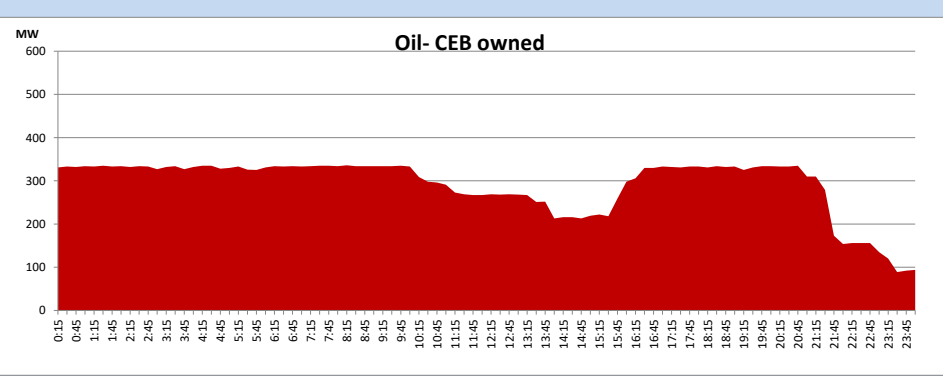
1.13 Daily Load Curve January 12, 2025



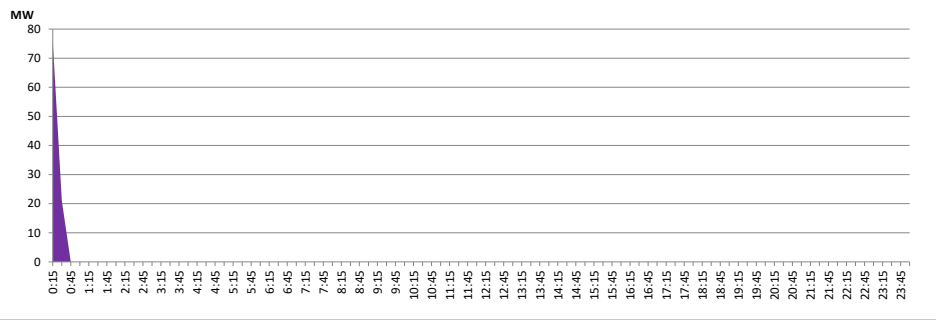
Coal Generation during January 12, 2025



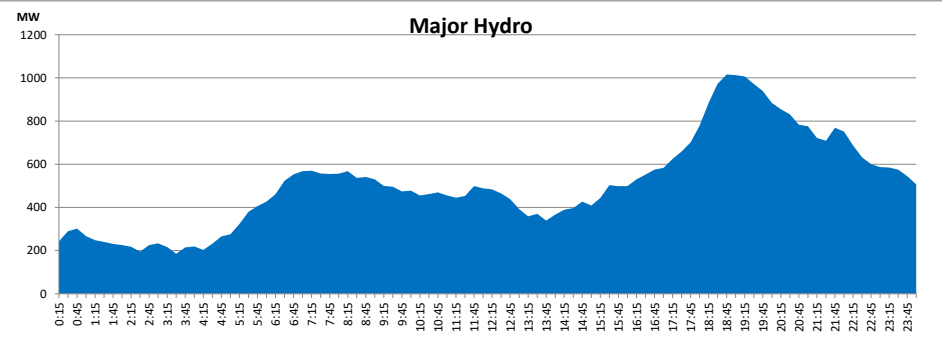
CEB Oil Plant Generation during January 12, 2025



IPP Oil Plant Generation during January 12, 2025

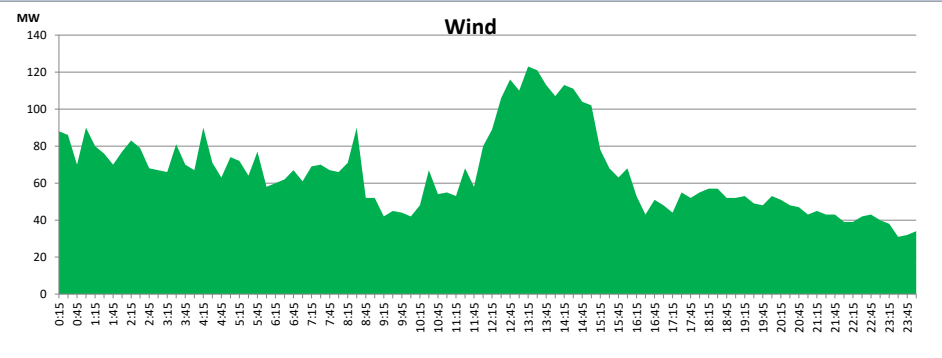


Major Hydro Generation during January 12, 2025



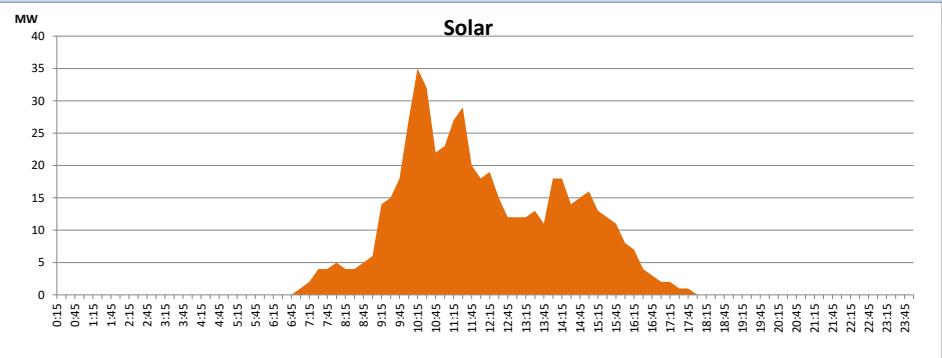
Wind Generation during January 12, 2025

Based on Telemetered Power Stations only



Solar Generation during January 12, 2025

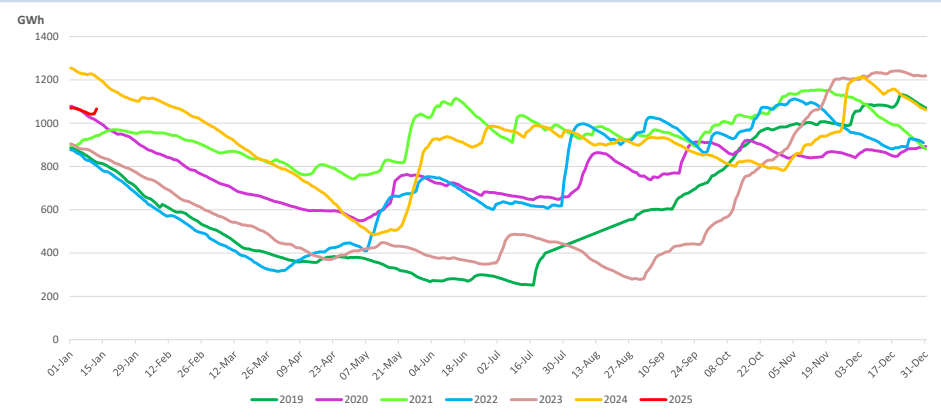
Based on Telemetered Power Stations only



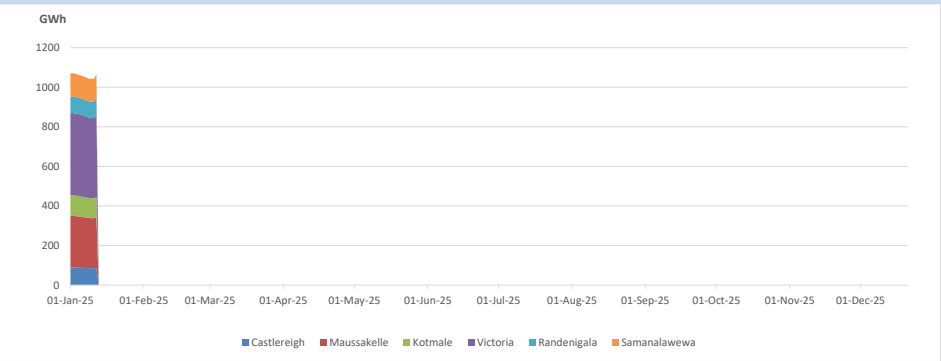
1.14 Major Incidents reported during the day January 12, 2025

1) Uma Oya Puhulpola and Dyraaba ponds started spilling at 09:34hrs and 11:51hrs respectively. Dyraaba pond spilling stopped at 18:20hrs, started again at 05:00hrs (13.01.2025) and stopped at 05:55hrs (13.01.2025). Puhulpola pond spilling continues to the present hour.

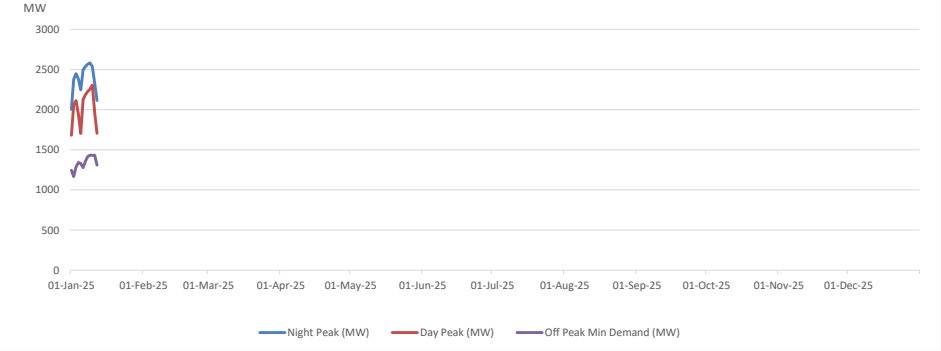
2. Comparison of Total Reservoir Storage Levels with Past Years



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

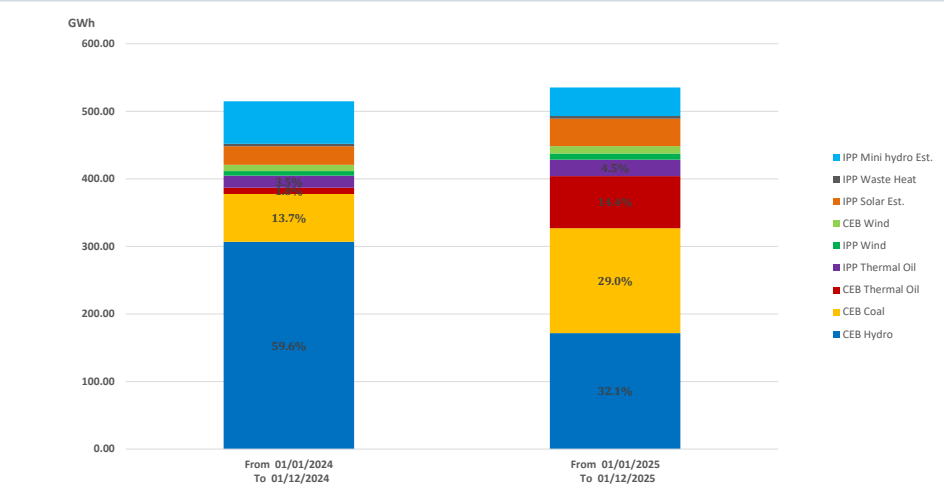


4. Variation of Demand during the current year



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 01/12/2024 515 GWh
From 01/01/2025 To 01/12/2025 535 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