

Generation and Reservoirs Statistics

January 11, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 11, 2025

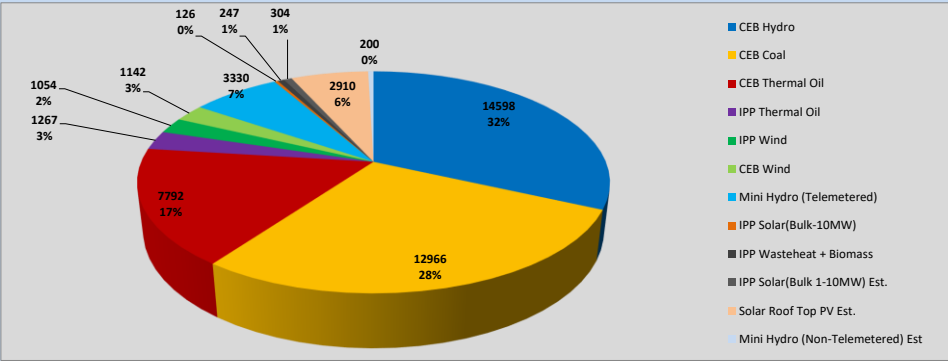


Table 01

	Generation (MWh)
CEB Hydro	14,598
CEB Coal	12,966
CEB Thermal Oil	7,792
IPP Thermal Oil	1,267
IPP Wind	1,054
CEB Wind	1,142
Mini Hydro (Telemetered)	3,330
IPP Solar (Bulk)	126
IPP Waste heat + Biomass	247
Total Generation (Excluding estimated figures)	42,522
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	200
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	45,936
* Estimated figures of CEB generation report	

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	159	32.30%
CEB Coal	142	28.80%
CEB Thermal Oil	70	14.26%
IPP Thermal	24	4.91%
IPP Wind	8	1.71%
CEB Wind	10	2.02%
Mini Hydro *	38	7.72%
IPP Solar *	37	7.58%
IPP Waste heat + BMP	3	0.70%
Total	494	

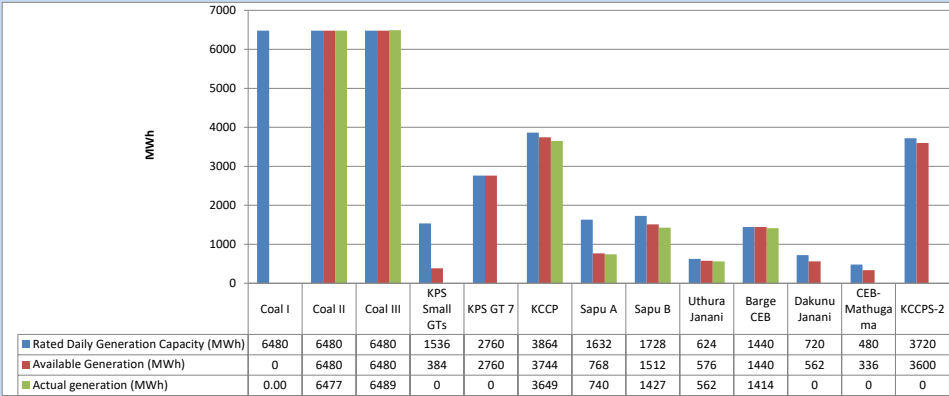
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	159	32.30%
CEB Coal	142	28.80%
CEB Thermal Oil	70	14.26%
IPP Thermal	24	4.91%
IPP Wind	8	1.71%
CEB Wind	10	2.02%
Mini Hydro *	38	7.72%
IPP Solar *	37	7.58%
IPP Waste heat	3	0.70%
Total	494	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

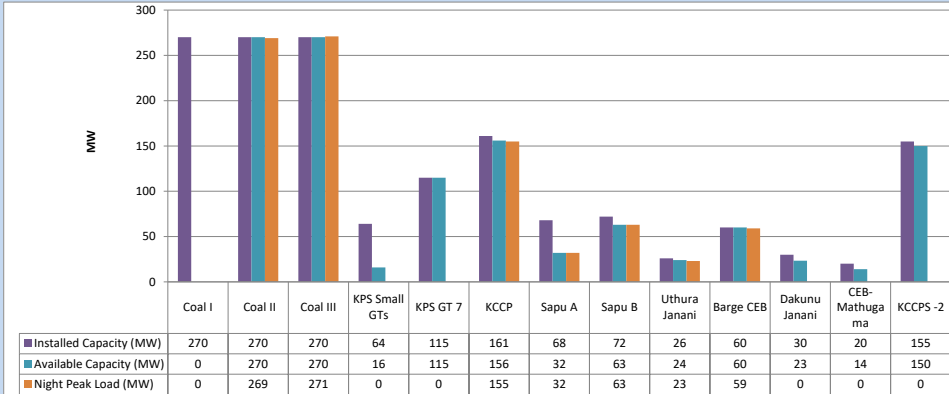
January 11, 2025



Available Generation is estimated based on plant availability at 6.00am on January 12, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

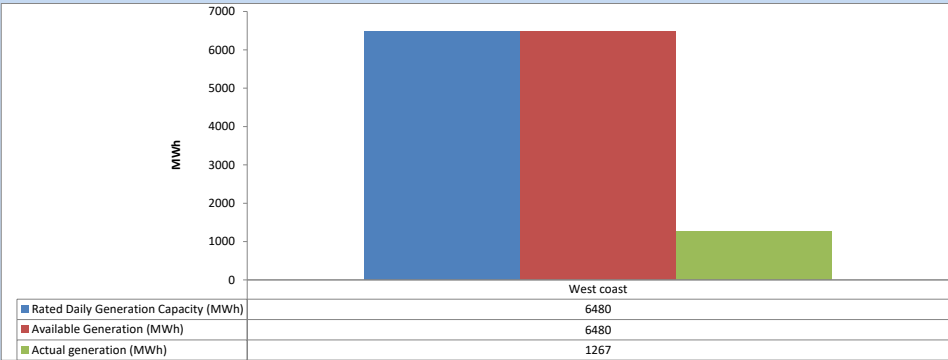
January 11, 2025



Plant availability is recorded at 6.00 am on January 12, 2025

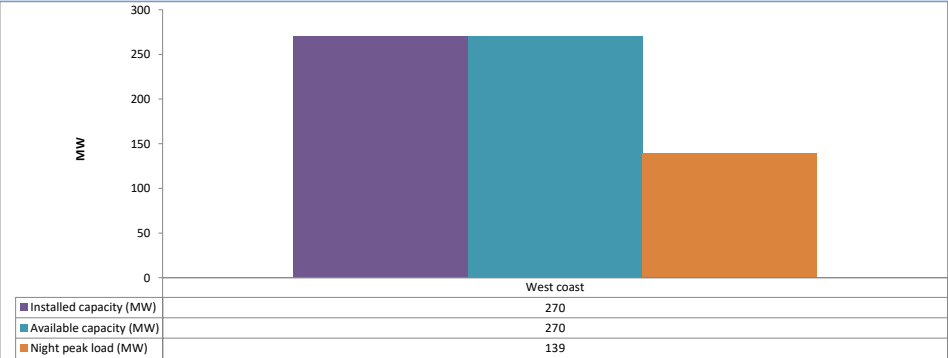
1.4 IPP owned Thermal Plant Dispatch

January 11, 2025



Available Generation is estimated based on plant availability at 6.00am on January 12, 2025

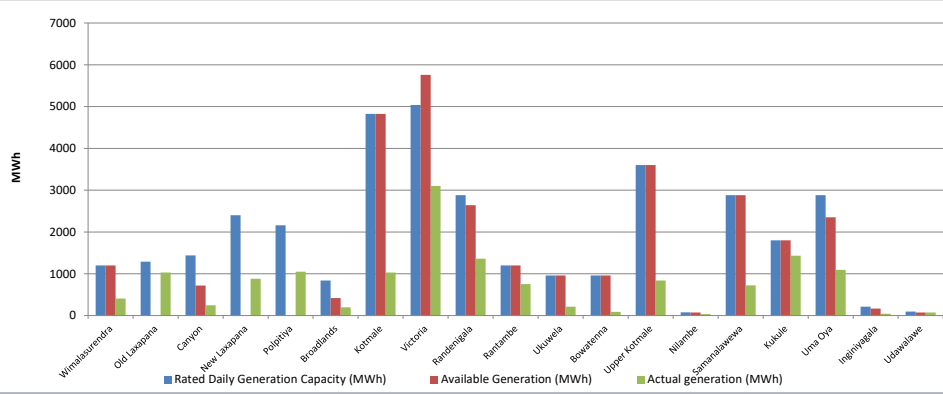
1.5 IPP owned Thermal Plant Loading at the Night Peak



Plant availability is recorded at 6.00 am on January 12, 2025

1.6 Major Hydro Plant Dispatch

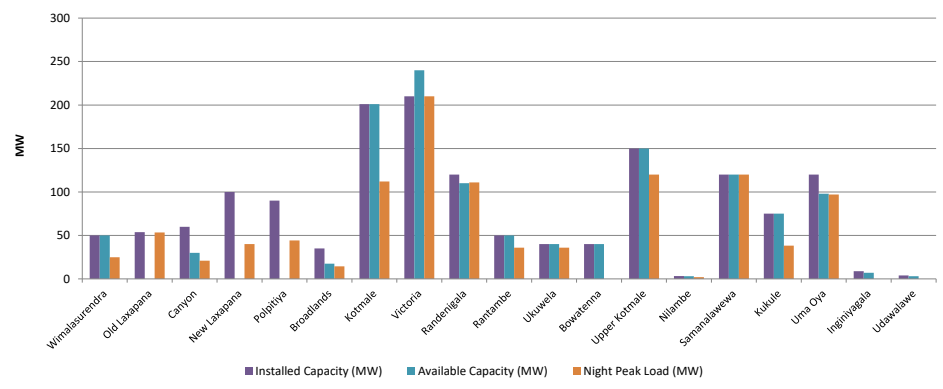
January 11, 2025



Available Generation is estimated based on plant availability at 6.00am on January 12, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 11, 2025



Plant availability is recorded at 6.00 am on January 12, 2025

1.8 Summary of Major Plant performance

January 11, 2025

Table 04				
Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	406
Old Laxapana	54	0	53	1,029
Canyon	60	30	21	247
New Laxapana	100	0	40	881
Polpitiya	90	0	44	1,050
Broadlands	35	18	14	198
Kotmale	201	201	112	1,030
Victoria	210	240	210	3,103
Randenigala	120	110	111	1,360
Rantambe	50	50	36	753
Ukuwela	40	40	36	212
Bowatenna	40	40	0	89
Upper Kotmale	150	150	120	840
Nilambe	3	3	2	35
Samanalawewa	120	120	120	724
Kukule	75	75	38	1,432
Uma Oya	120	98	97	1,095
Inginipagala	9	7	0	43
Udawalawe	4	3	0	73
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,477
Puttalam Coal III	270	270	271	6,489
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	155	3,649
Sapugaskanda A	68	32	32	740
Sapugaskanda B	72	63	63	1,427
Uthura Janani	26	24	23	562
Barge CEB	60	60	59	1,414
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	139	1,267
Sobadhanavi	220	212	0	0
Total	3,602	2,698	2,315	36,625

Note- Excluding NCRE generation
Plant availability is the availability recorded at 6 am on January 12, 2025

1.9 Contribution to the Night Peak in MW

January 11, 2025

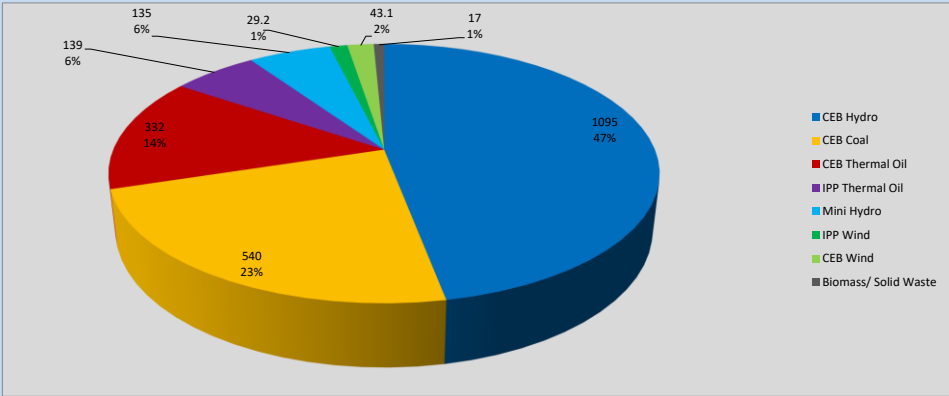


Table 05

CEB Hydro	1,095	MW
CEB Coal	540	MW
CEB Thermal Oil	332	MW
IPP Thermal Oil	139	MW
Mini Hydro (Telemetered)	135	MW
IPP Wind	29.2	MW
CEB Wind	43.1	MW
Biomass/ Solid Waste	17	MW

Recorded Peak Demand Data

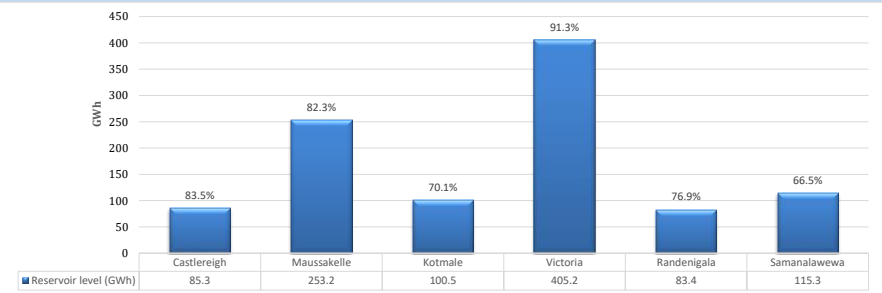
Table 06

Night Peak*	2,330	MW
Day Peak Maximum Demand	1,960	MW
Day Peak Minimum Demand	1,647	MW
Off Peak Minimum Demand	1,433	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 12, 2025



Total Reservoir Level
% of Total capacity

1,043 GWh
81.6%

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

January 11, 2025

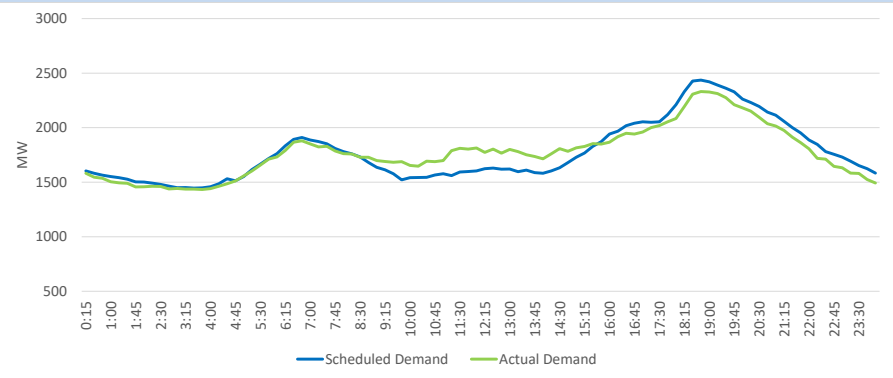
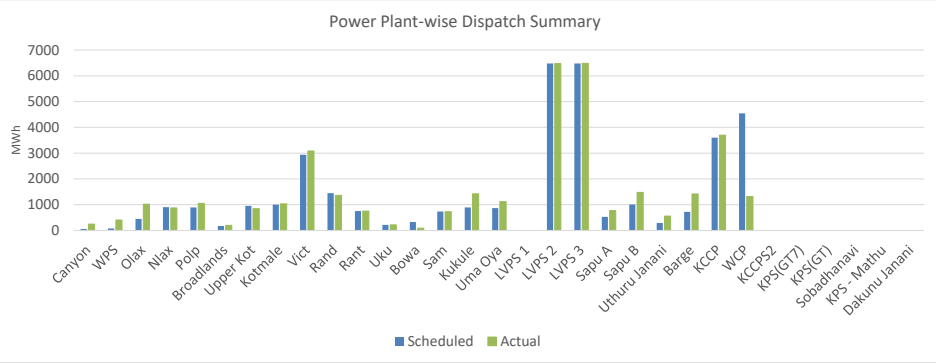


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	12,663	14,598	1,935
CEB Coal	12,960	12,966	6
CEB Thermal Oil	6,144	7,792	1,648
IPP Thermal Oil	4,543	1,267	(3,276)
NCRE (excluding non telemetered power plants)	6,200	5,899	(301)
Total	42,509	42,522	13

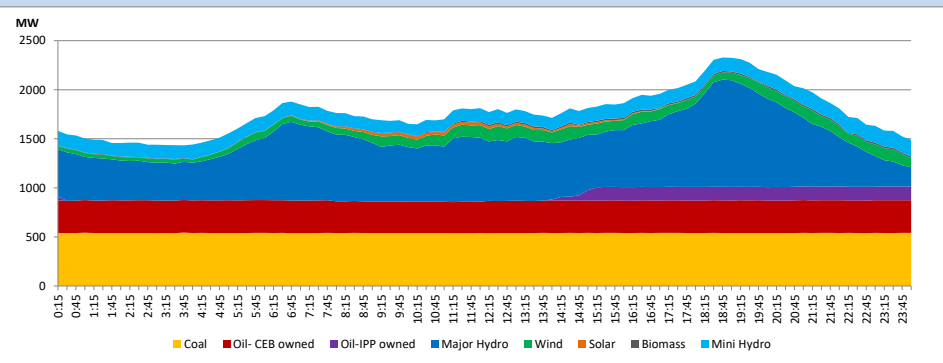
1.12 Power Plant-wise Dispatch Summary

January 11, 2025



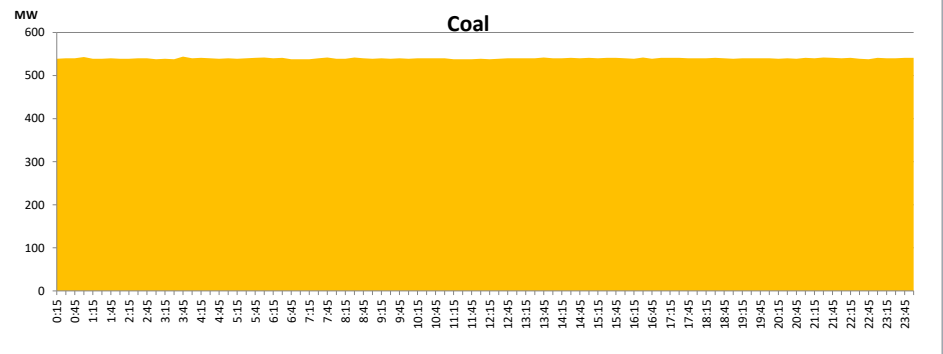
1.13 Daily Load Curve

January 11, 2025



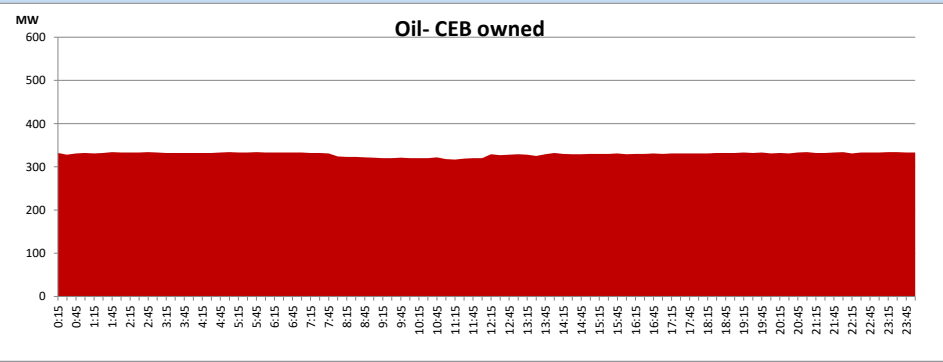
Coal Generation during

January 11, 2025

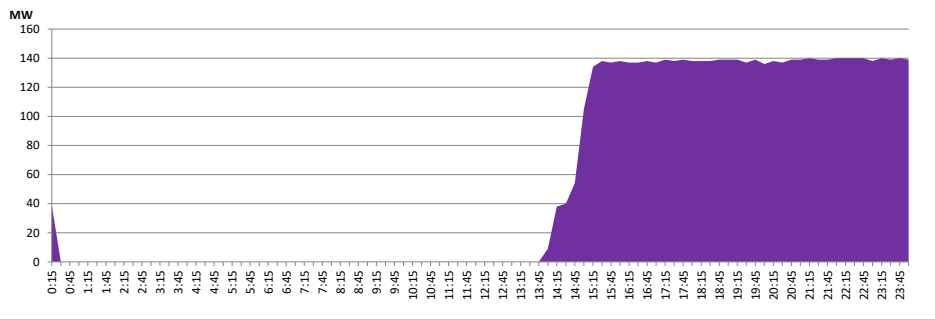


CEB Oil Plant Generation during

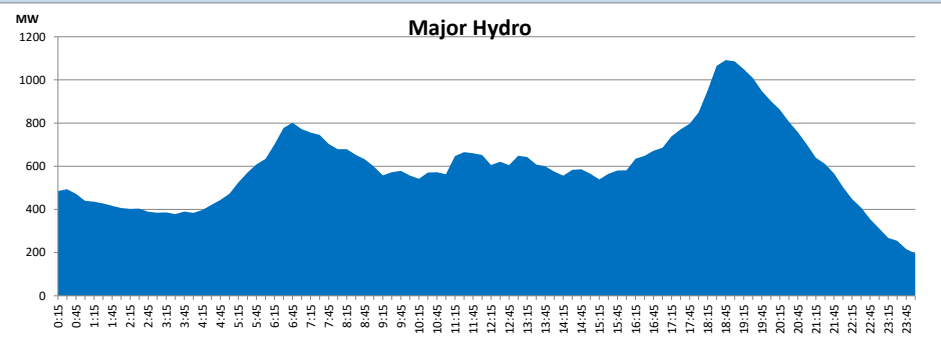
January 11, 2025



IPP Oil Plant Generation during January 11, 2025

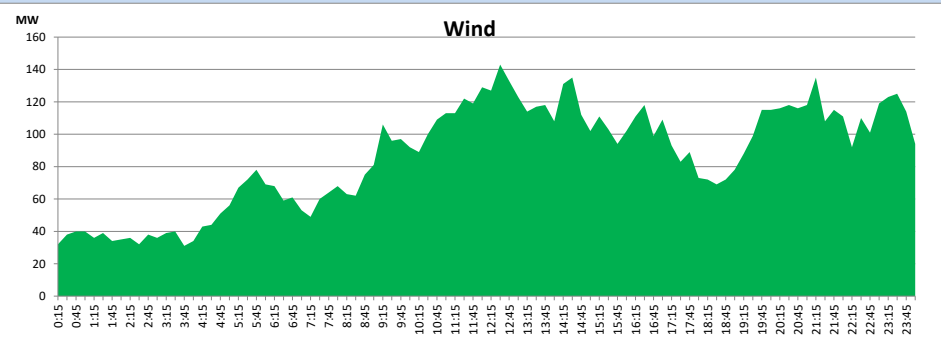


Major Hydro Generation during January 11, 2025



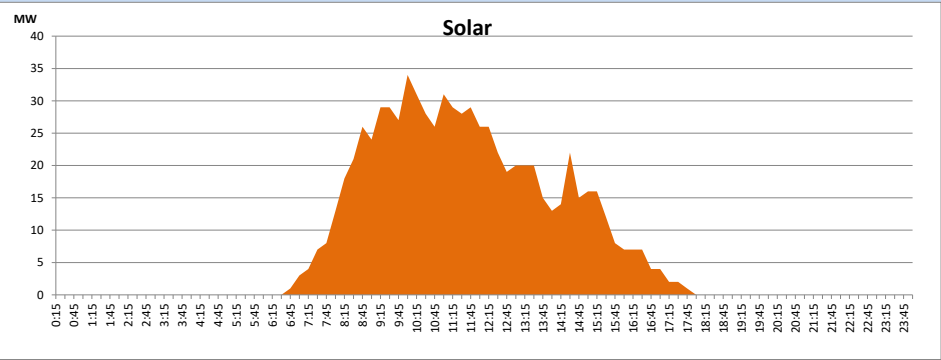
Wind Generation during January 11, 2025

Based on Telemetered Power Stations only



Solar Generation during January 11, 2025

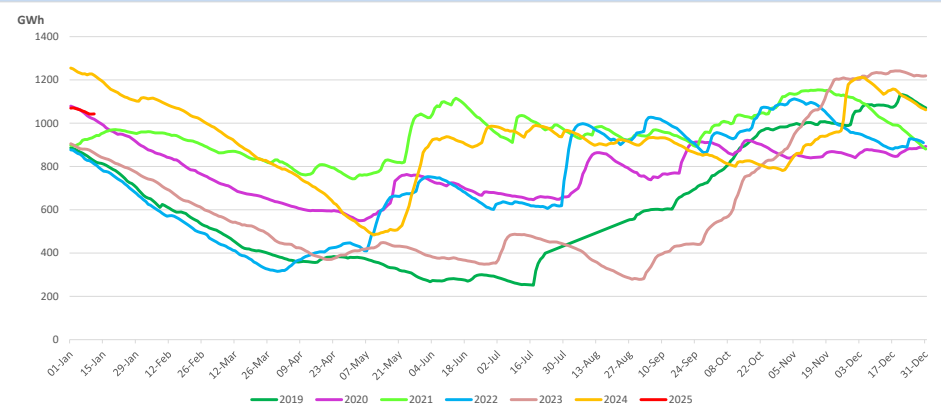
Based on Telemetered Power Stations only



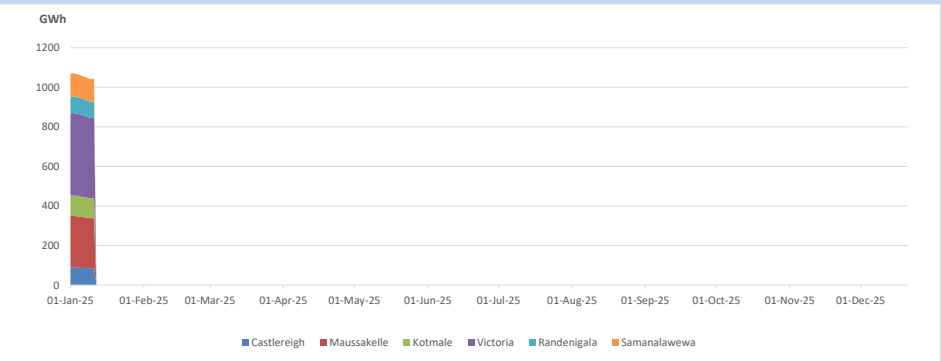
1.14 Major Incidents reported during the day January 11, 2025

- 1) Chunnakam – Kilinochchi 132kV cct 02 tripped and AR from both ends at 21:07hrs due to the operation of distance protection.

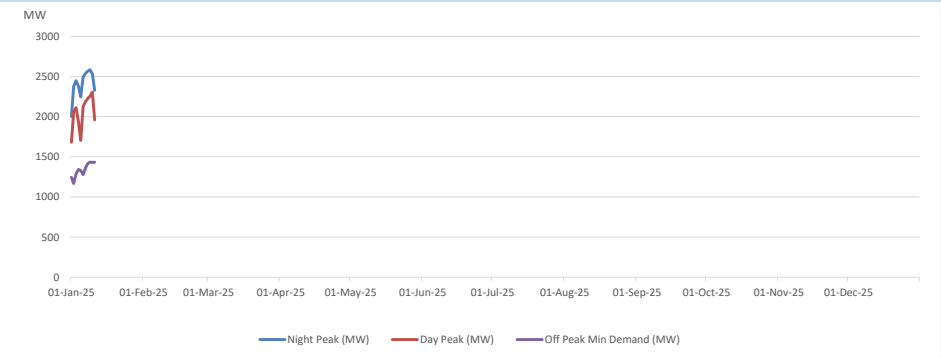
2. Comparison of Total Reservoir Storage Levels with Past Years



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

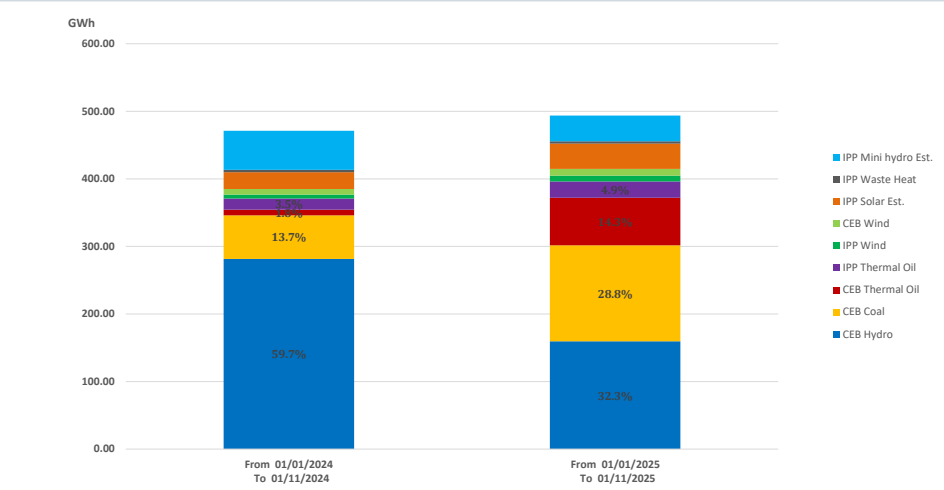


4. Variation of Demand during the current year



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 01/11/2024 471 GWh
From 01/01/2025 To 01/11/2025 494 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