

Generation and Reservoirs Statistics

January 7, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 7, 2025

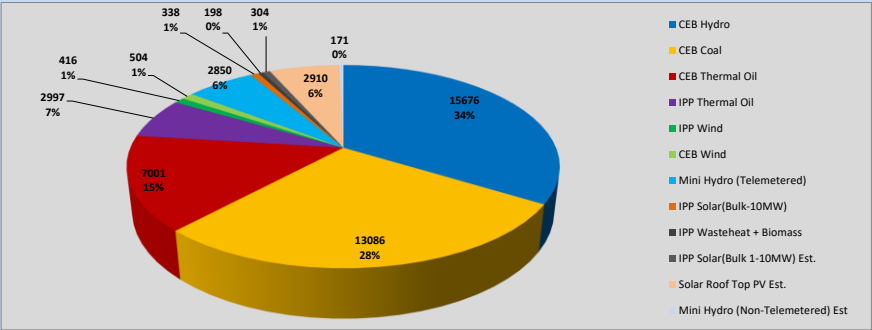


Table 01

	Generation (MWh)
CEB Hydro	15,676
CEB Coal	13,086
CEB Thermal Oil	7,001
IPP Thermal Oil	2,997
IPP Wind	416
CEB Wind	504
Mini Hydro (Telemetered)	2,850
IPP Solar (Bulk)	338
IPP Waste heat + Biomass	198
Total Generation (Excluding estimated figures)	43,066
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	171
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	46,451

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	103	33.79%
CEB Coal	90	29.69%
CEB Thermal Oil	41	13.64%
IPP Thermal	7	2.39%
IPP Wind	5	1.69%
CEB Wind	6	2.04%
Mini Hydro *	25	8.10%
IPP Solar *	24	7.76%
IPP Waste heat + BMP	3	0.89%
Total	304	

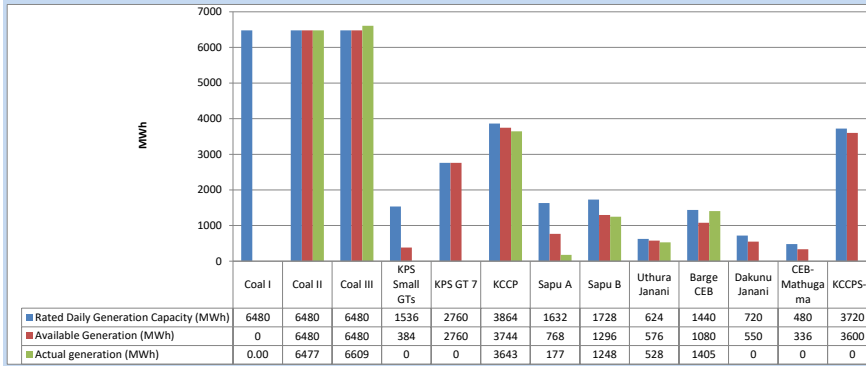
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	103	33.79%
CEB Coal	90	29.69%
CEB Thermal Oil	41	13.64%
IPP Thermal	7	2.39%
IPP Wind	5	1.69%
CEB Wind	6	2.04%
Mini Hydro *	25	8.10%
IPP Solar *	24	7.76%
IPP Waste heat	3	0.89%
Total	304	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 7, 2025

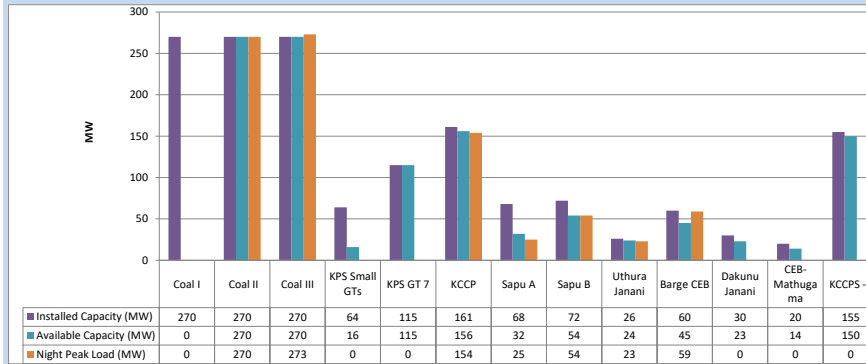


Available Generation is estimated based on plant availability at 6.00am on

January 8, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 7, 2025

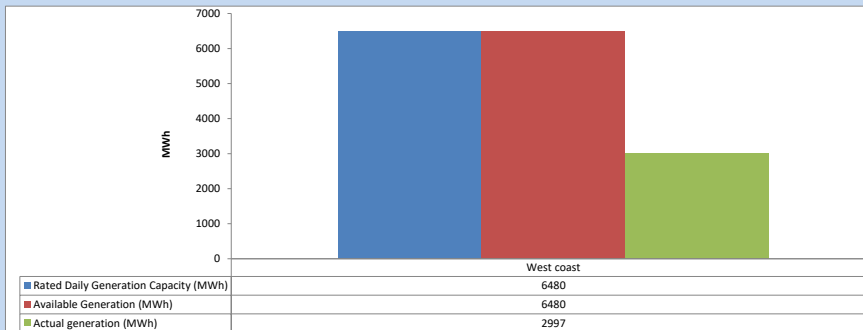


Plant availability is recorded at 6.00 am on

January 8, 2025

1.4 IPP owned Thermal Plant Dispatch

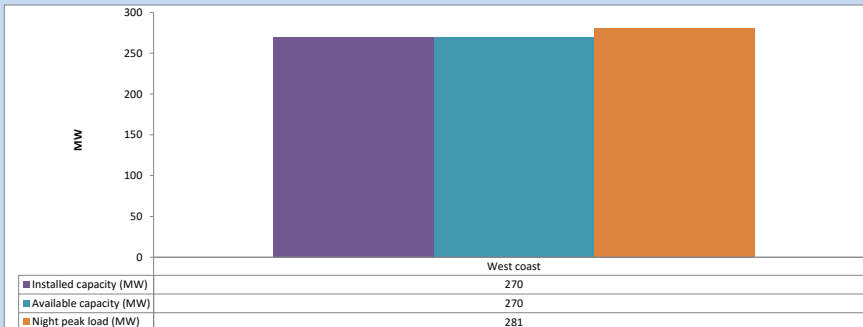
January 7, 2025



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

January 8, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

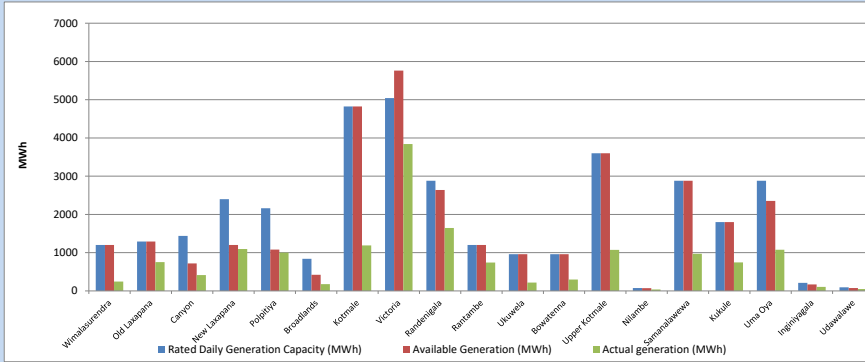


Plant availability is recorded at 6.00 am on

January 8, 2025

1.6 Major Hydro Plant Dispatch

January 7, 2025

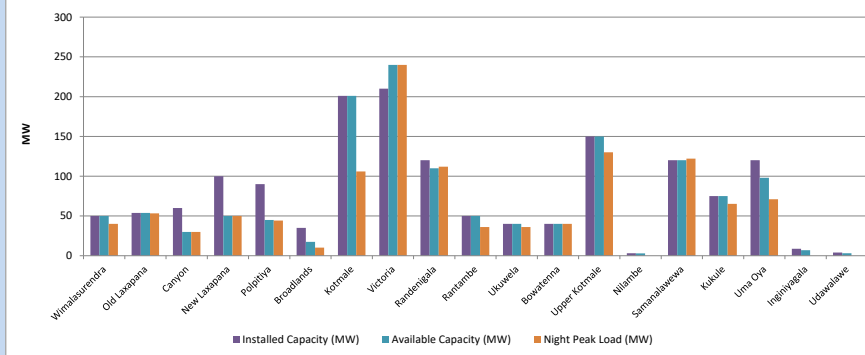


Available Generation is estimated based on plant availability at 6.00am on

January 8, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 7, 2025



Plant availability is recorded at 6.00 am on

January 8, 2025

1.8 Summary of Major Plant performance

January 7, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	40	244
Old Laxapana	54	54	53	754
Canyon	60	30	30	414
New Laxapana	100	50	50	1,097
Polpitiya	90	45	44	1,000
Broadlands	35	18	10	176
Kotmale	201	201	106	1,190
Victoria	210	240	240	3,839
Randenigala	120	110	112	1,644
Rantambe	50	50	36	743
Ukuwela	40	40	36	217
Bowatenna	40	40	40	297
Upper Kotmale	150	150	130	1,074
Nilambe	3	3	0	39
Samanalawewa	120	120	122	970
Kukule	75	75	65	745
Uma Oya	120	98	71	1,077
Inginigala	9	7	0	107
Udawalawe	4	3	0	49
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,477
Puttalam Coal III	270	270	273	6,609
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	154	3,643
Sapugaskanda A	68	32	25	177
Sapugaskanda B	72	54	54	1,248
Uthura Janani	26	24	23	528
Barge CEB	60	45	59	1,405
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	281	2,997
Sobadhanavi	220	212	0	0
Total	3,602	2,822	2,525	38,760

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 8, 2025

1.9 Contribution to the Night Peak in MW

January 7, 2025

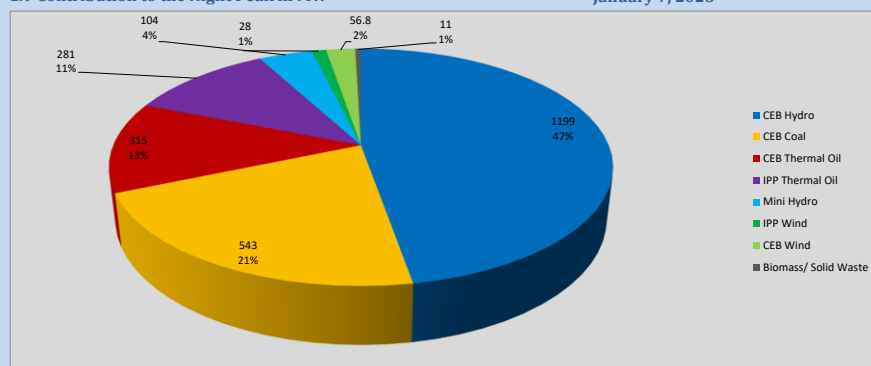


Table 05

CEB Hydro	1,199	MW
CEB Coal	543	MW
CEB Thermal Oil	315	MW
IPP Thermal Oil	281	MW
Mini Hydro (Telemetered)	104	MW
IPP Wind	28	MW
CEB Wind	56.8	MW
Biomass/ Solid Waste	11	MW

Recorded Peak Demand Data

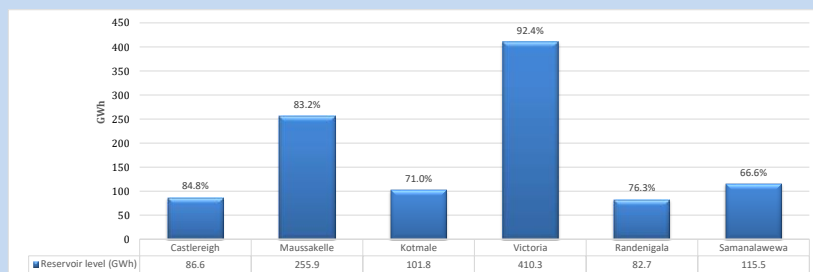
Table 06

Night Peak*	2,538	MW
Day Peak Maximum Demand	2,186	MW
Day Peak Minimum Demand	1,508	MW
Off Peak Minimum Demand	1,359	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 8, 2025



Total Reservoir Level
% of Total capacity

1,053 GWh
82.3%

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

January 7, 2025

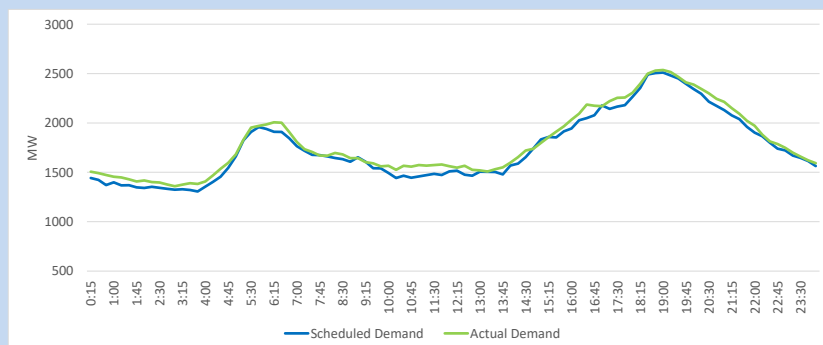
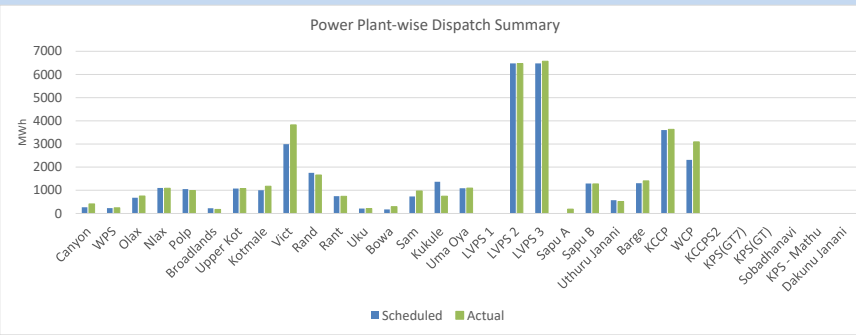


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	14,703	15,676	973
CEB Coal	12,960	13,086	126
CEB Thermal Oil	6,772	7,001	229
IPP Thermal Oil	2,316	2,997	681
NCRE (excluding non telemetered power plants)	5,119	4,306	(813)
Total	41,870	43,066	1,196

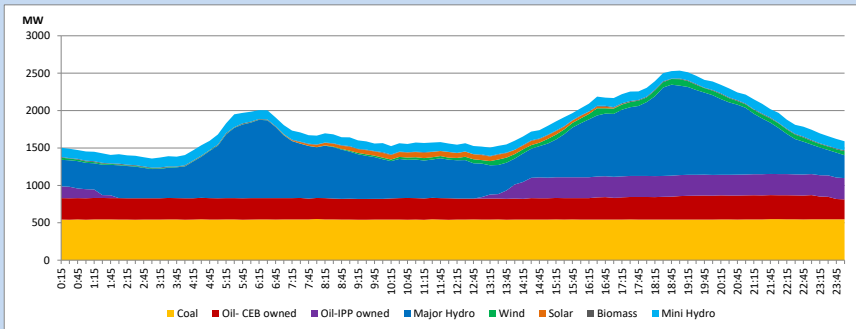
1.12 Power Plant-wise Dispatch Summary

January 7, 2025



1.13 Daily Load Curve

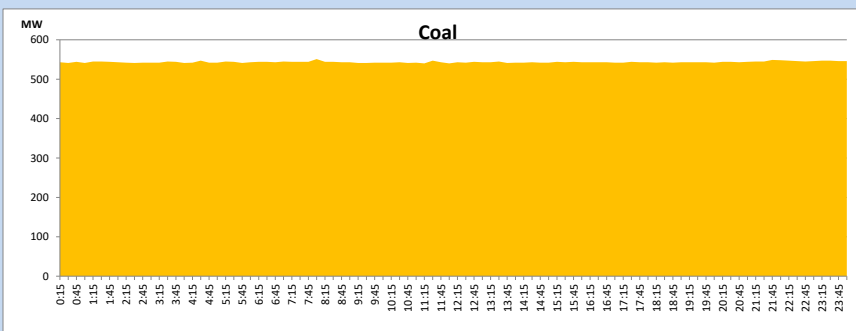
January 7, 2025



Solar and wind data is based on Telemetered Power Stations only

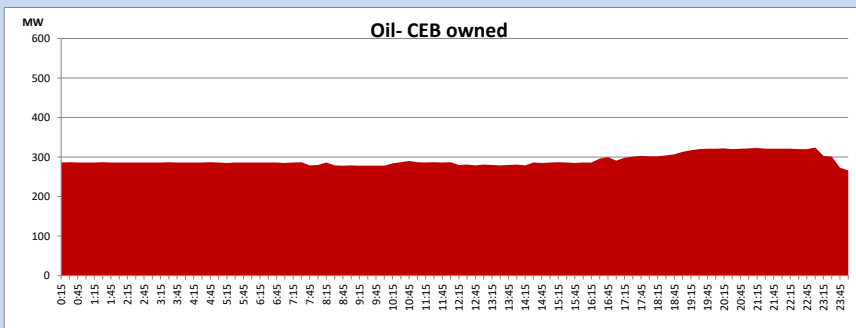
Coal Generation during

January 7, 2025

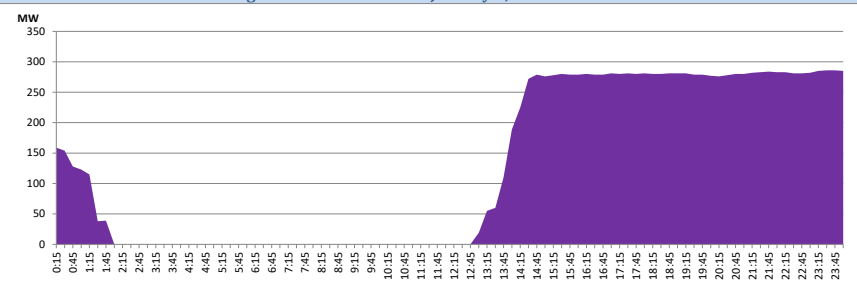


CEB Oil Plant Generation during

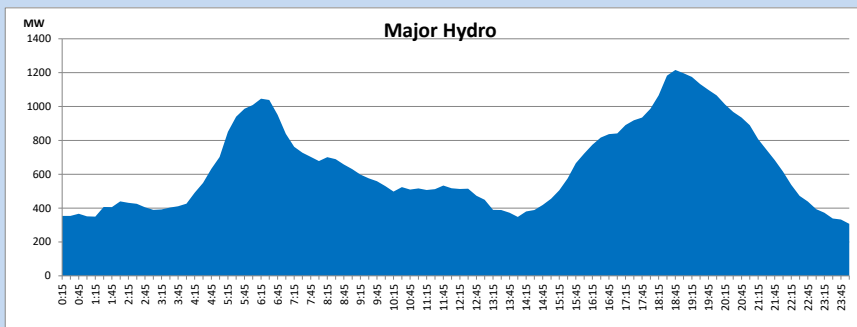
January 7, 2025



IPP Oil Plant Generation during January 7, 2025

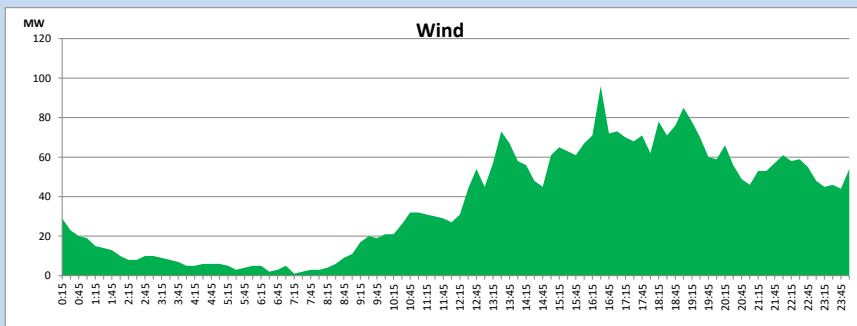


Major Hydro Generation during January 7, 2025



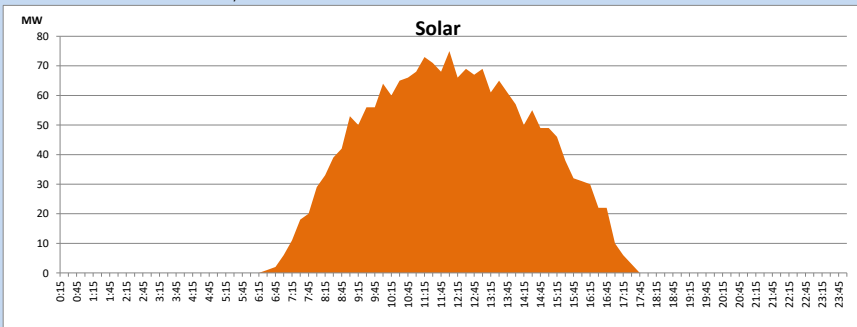
Wind Generation during January 7, 2025

Based on Telemetered Power Stations only



Solar Generation during January 7, 2025

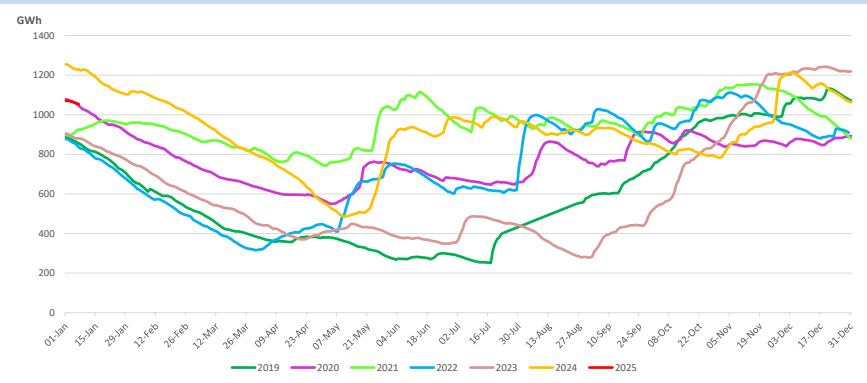
Based on Telemetered Power Stations only



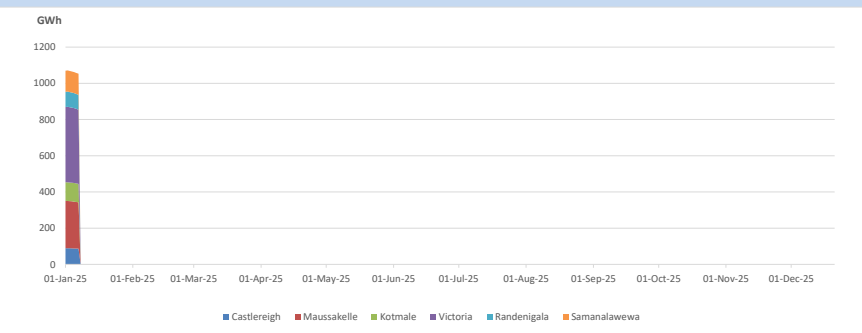
1.14 Major Incidents reported during the day January 7, 2025

- 1) N'Anu - Trinco 132kV cct tripped and A/R from both ends at 06:40hrs due to the operation of differential protection.
 - 2) Chunnakam - Kilinochchi 132kV cct 02 tripped from both ends at 07:35hrs due to the operation of distance protection.
- The first attempt to energize Chunnakam - Kilinochchi 132kV cct 02, failed at 07:59 hrs, and the cct was normalized at 14:10hrs.

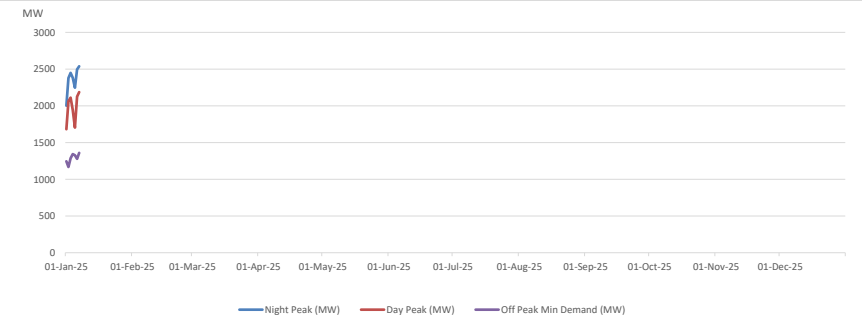
2. Comparison of Total Reservoir Storage Levels with Past Years



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

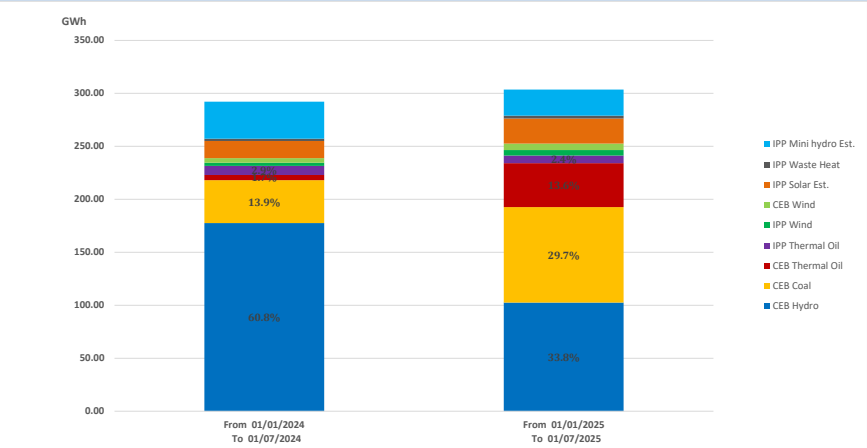


4. Variation of Demand during the current year



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 01/07/2024 292 GWh
From 01/01/2025 To 01/07/2025 304 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