

Generation and Reservoirs Statistics

January 8, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 8, 2025

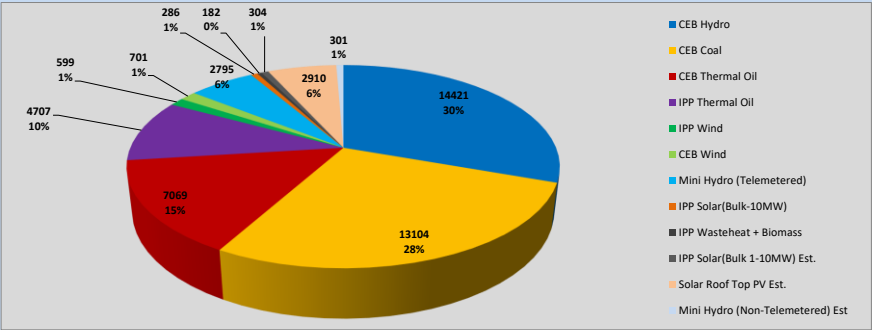


Table 01

	Generation (MWh)
CEB Hydro	14,421
CEB Coal	13,104
CEB Thermal Oil	7,069
IPP Thermal Oil	4,707
IPP Wind	599
CEB Wind	701
Mini Hydro (Telemetered)	2,795
IPP Solar (Bulk)	286
IPP Waste heat + Biomass	182
Total Generation (Excluding estimated figures)	43,864
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	301
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	47,379

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	117	33.34%
CEB Coal	103	29.42%
CEB Thermal Oil	48	13.81%
IPP Thermal	12	3.41%
IPP Wind	6	1.64%
CEB Wind	7	1.96%
Mini Hydro *	28	7.89%
IPP Solar *	27	7.71%
IPP Waste heat + BMP	3	0.82%
Total	351	

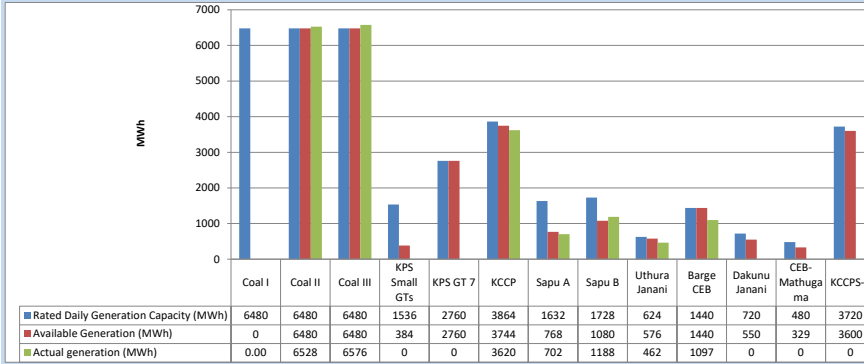
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	117	33.34%
CEB Coal	103	29.42%
CEB Thermal Oil	48	13.81%
IPP Thermal	12	3.41%
IPP Wind	6	1.64%
CEB Wind	7	1.96%
Mini Hydro *	28	7.89%
IPP Solar *	27	7.71%
IPP Waste heat	3	0.82%
Total	351	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 8, 2025

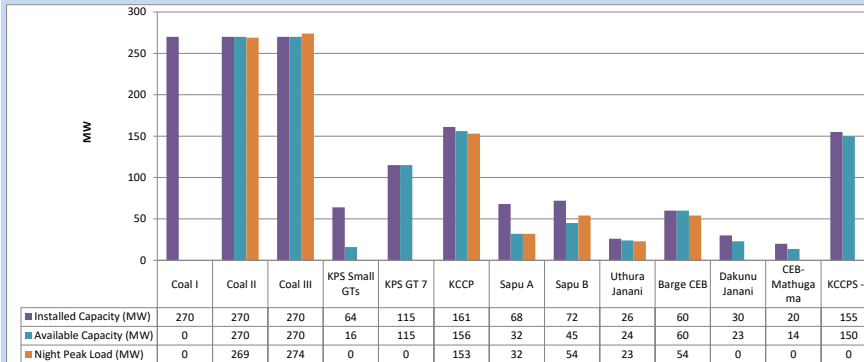


Available Generation is estimated based on plant availability at 6.00am on

January 9, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 8, 2025

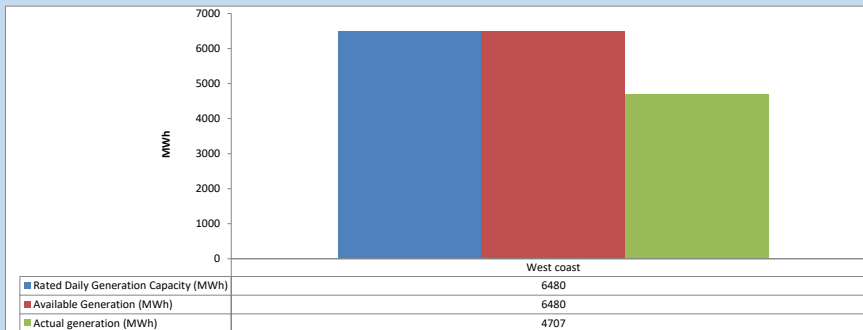


Plant availability is recorded at 6.00 am on

January 9, 2025

1.4 IPP owned Thermal Plant Dispatch

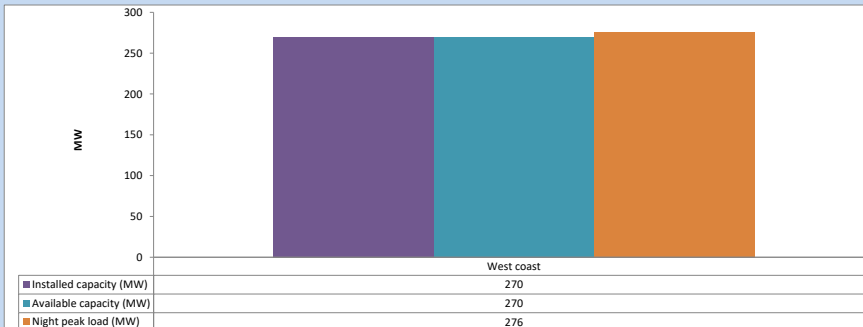
January 8, 2025



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

January 9, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

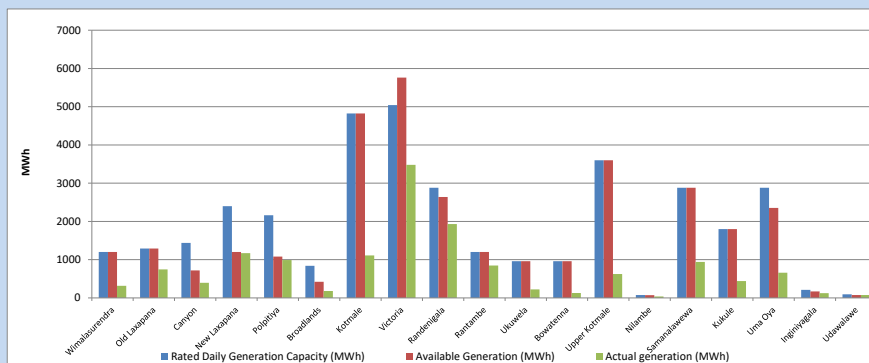


Plant availability is recorded at 6.00 am on

January 9, 2025

1.6 Major Hydro Plant Dispatch

January 8, 2025

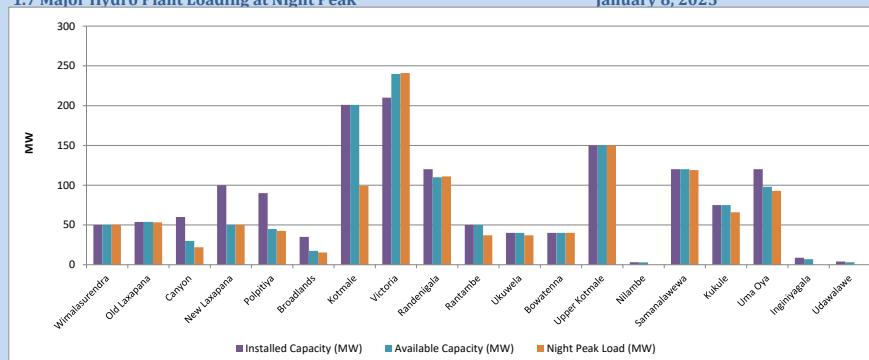


Available Generation is estimated based on plant availability at 6.00am on

January 9, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 8, 2025



Plant availability is recorded at 6.00 am on

January 9, 2025

1.8 Summary of Major Plant performance

January 8, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	316
Old Laxapana	54	54	53	747
Canyon	60	30	22	396
New Laxapana	100	50	50	1,171
Polpitiya	90	45	43	990
Broadlands	35	18	15	180
Kotmale	201	201	99	1,110
Victoria	210	240	241	3,479
Randenigala	120	110	111	1,932
Rantambe	50	50	37	846
Ukuwela	40	40	37	223
Bowatenna	40	40	40	128
Upper Kotmale	150	150	150	624
Nilambe	3	3	0	36
Samanalawewa	120	120	119	943
Kukule	75	75	66	441
Uma Oya	120	98	93	658
Inginigala	9	7	0	125
Udawalawe	4	3	0	76
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,528
Puttalam Coal III	270	270	274	6,576
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	153	3,620
Sapugaskanda A	68	32	32	702
Sapugaskanda B	72	45	54	1,188
Uthura Janani	26	24	23	462
Barge CEB	60	60	54	1,097
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	276	4,707
Sobadhanavi	220	212	0	0
Total	3,602	2,828	2,553	39,301

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 9, 2025

1.9 Contribution to the Night Peak in MW

January 8, 2025

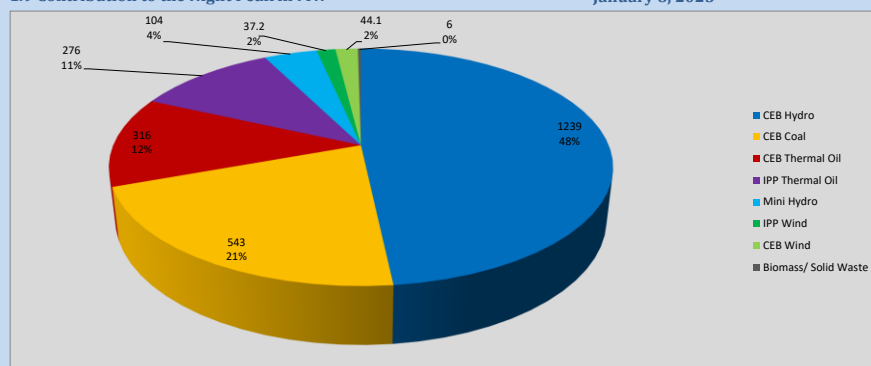


Table 05

CEB Hydro	1,239	MW
CEB Coal	543	MW
CEB Thermal Oil	316	MW
IPP Thermal Oil	276	MW
Mini Hydro (Telemetered)	104	MW
IPP Wind	37.2	MW
CEB Wind	44.1	MW
Biomass/ Solid Waste	6	MW

Recorded Peak Demand Data

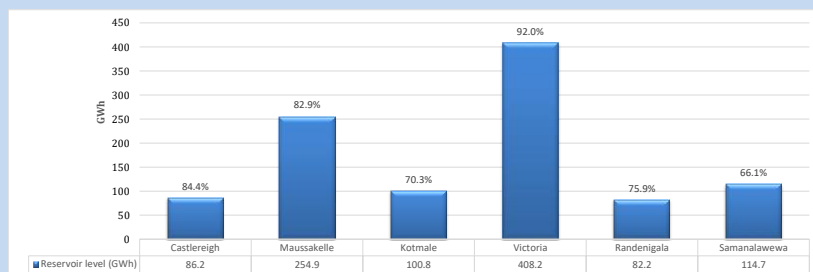
Table 06

Night Peak*	2,566	MW
Day Peak Maximum Demand	2,226	MW
Day Peak Minimum Demand	1,529	MW
Off Peak Minimum Demand	1,416	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 9, 2025



Total Reservoir Level
% of Total capacity

1,047 GWh
81.9%

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

January 8, 2025

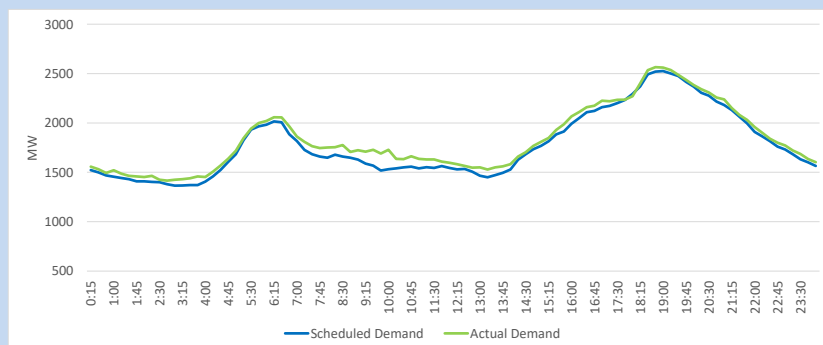
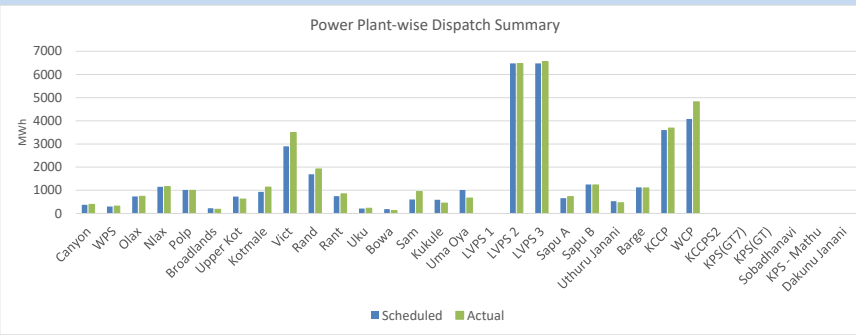


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	13,410	14,421	1,011
CEB Coal	12,960	13,104	144
CEB Thermal Oil	7,163	7,069	(94)
IPP Thermal Oil	4,075	4,707	632
NCRE (excluding non telemetered power plants)	5,009	4,563	(446)
Total	42,617	43,864	1,247

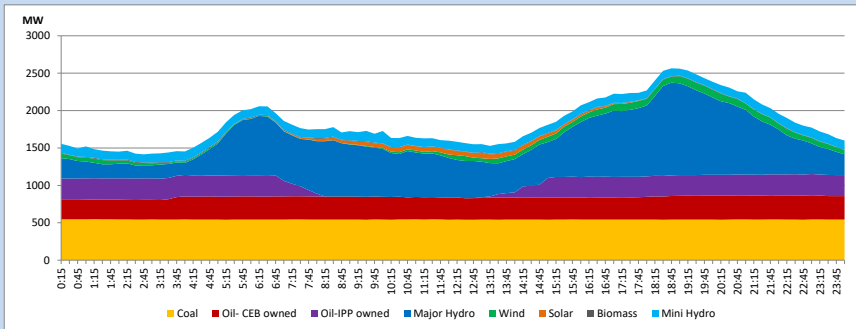
1.12 Power Plant-wise Dispatch Summary

January 8, 2025



1.13 Daily Load Curve

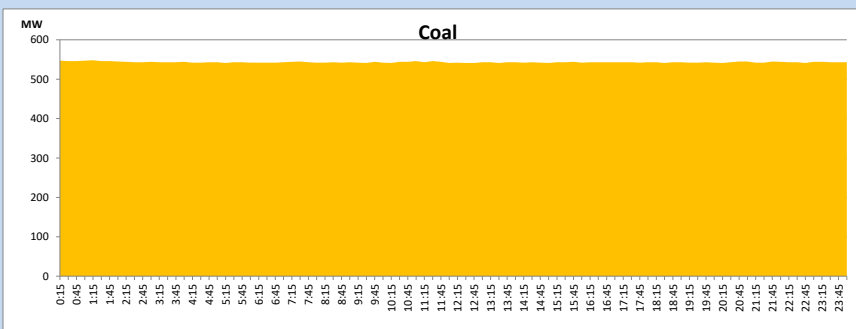
January 8, 2025



Solar and wind data is based on Telemetered Power Stations only

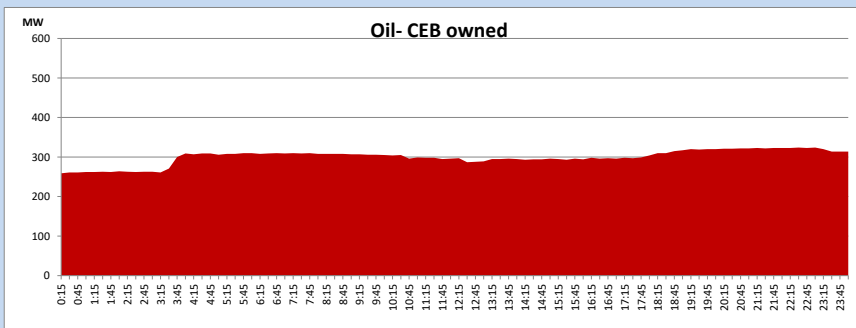
Coal Generation during

January 8, 2025

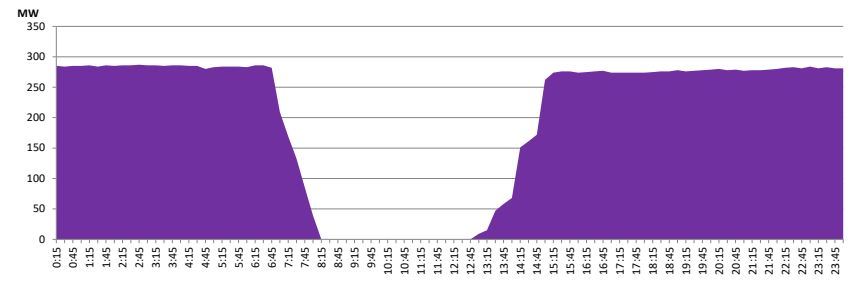


CEB Oil Plant Generation during

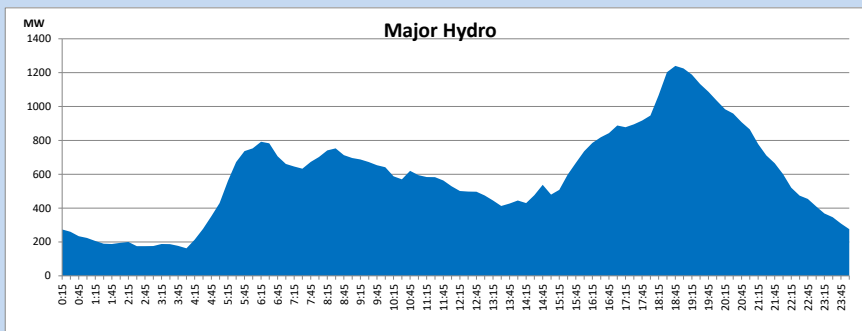
January 8, 2025



IPP Oil Plant Generation during January 8, 2025

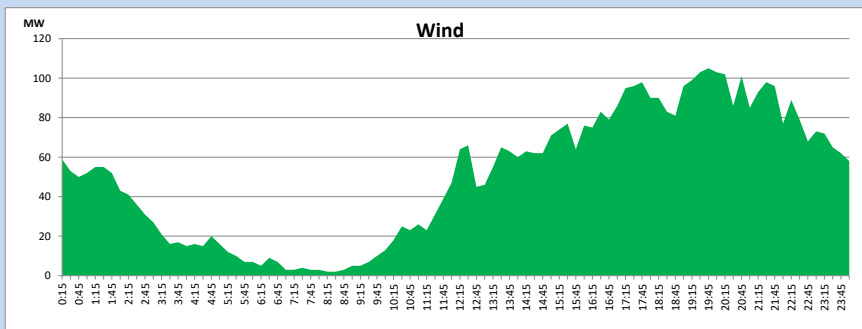


Major Hydro Generation during January 8, 2025



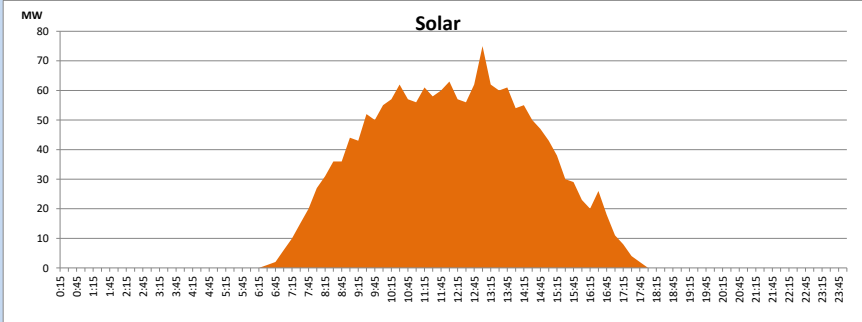
Wind Generation during January 8, 2025

Based on Telemetered Power Stations only



Solar Generation during January 8, 2025

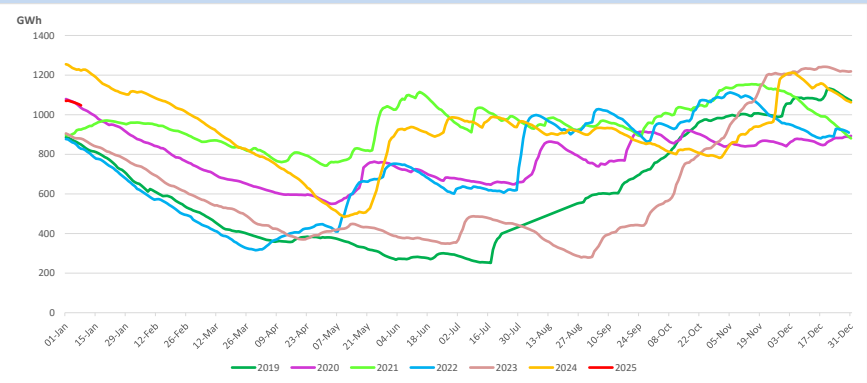
Based on Telemetered Power Stations only



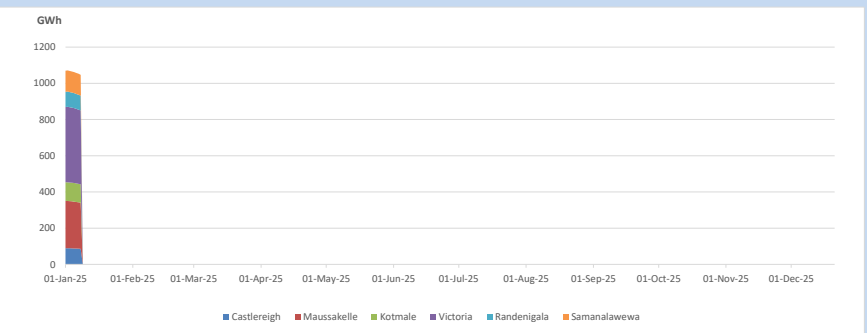
1.14 Major Incidents reported during the day January 8, 2025

1) Katunayake 132/33kV T/F 01 tripped from both ends along with 33kV B/S CB 01, and 33kV tie line CB (only from 33kV bus 03 end) at 08:30hrs due to a blast in 132/33kV T/F 01 33kV VT. Subsequently, all 33kV feeders, and 132/33kV T/F 02 & 03 were manually switched off from 33kV end by 08:37hrs. Katunayake GSS was normalized through 132/33kV T/F 02 & 03 at 10:05hrs. Katunayake GSS 132/33kV T/F 01 is yet to be normalized.

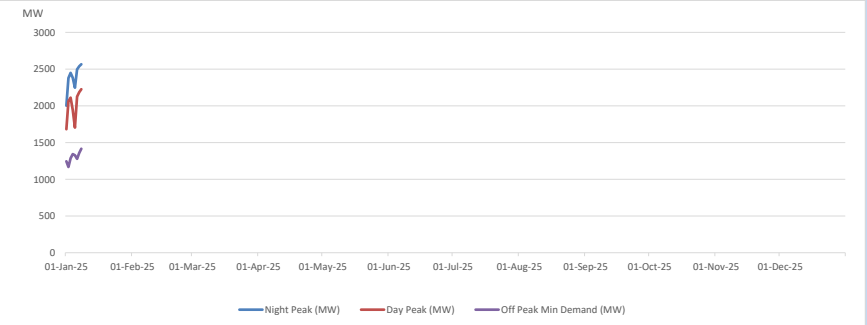
2. Comparison of Total Reservoir Storage Levels with Past Years



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

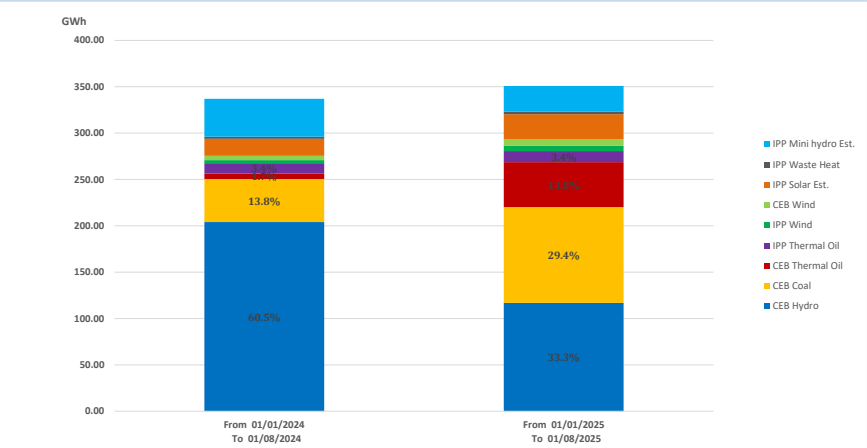


4. Variation of Demand during the current year



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 01/08/2024 337 GWh
From 01/01/2025 To 01/08/2025 351 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