

Generation and Reservoirs Statistics

January 2, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 2, 2025

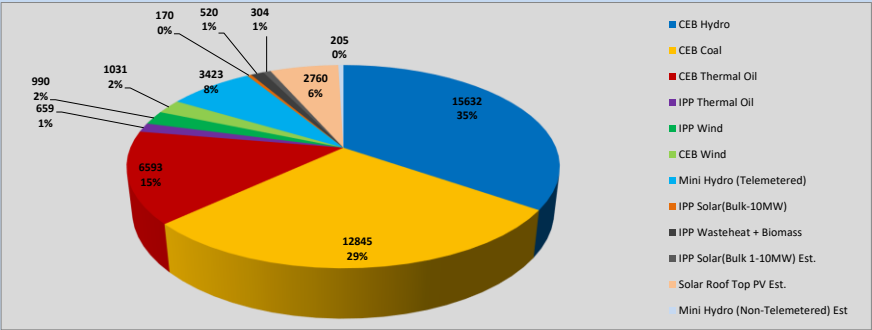


Table 01

	Generation (MWh)
CEB Hydro	15,632
CEB Coal	12,845
CEB Thermal Oil	6,593
IPP Thermal Oil	659
IPP Wind	990
CEB Wind	1,031
Mini Hydro (Telemetered)	3,423
IPP Solar (Bulk)	170
IPP Waste heat + Biomass	520
Total Generation (Excluding estimated figures)	41,863
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	205
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,760
Total Generation (Including estimated figures)	45,132

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	27	31.30%
CEB Coal	26	30.13%
CEB Thermal Oil	13	15.01%
IPP Thermal	1	1.31%
IPP Wind	2	2.41%
CEB Wind	3	3.27%
Mini Hydro *	7	7.86%
IPP Solar *	6	7.54%
IPP Waste heat + BMP	1	1.17%
Total	86	

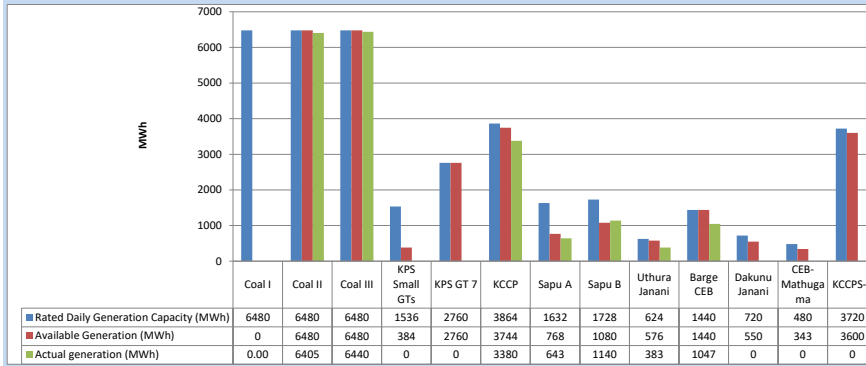
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	27	31.30%
CEB Coal	26	30.13%
CEB Thermal Oil	13	15.01%
IPP Thermal	1	1.31%
IPP Wind	2	2.41%
CEB Wind	3	3.27%
Mini Hydro *	7	7.86%
IPP Solar *	6	7.54%
IPP Waste heat	1	1.17%
Total	86	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 2, 2025

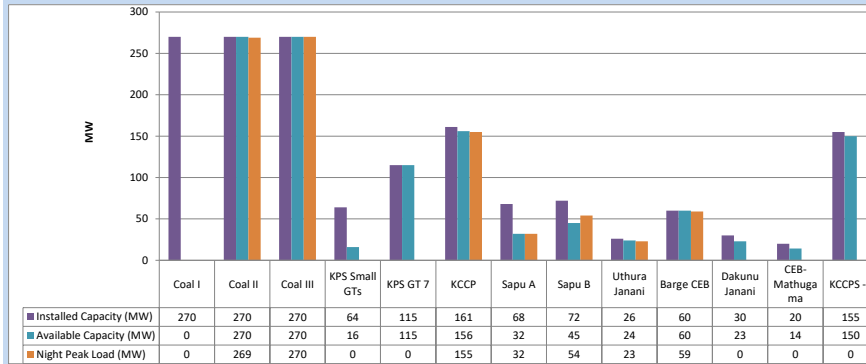


Available Generation is estimated based on plant availability at 6.00am on

January 3, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 2, 2025

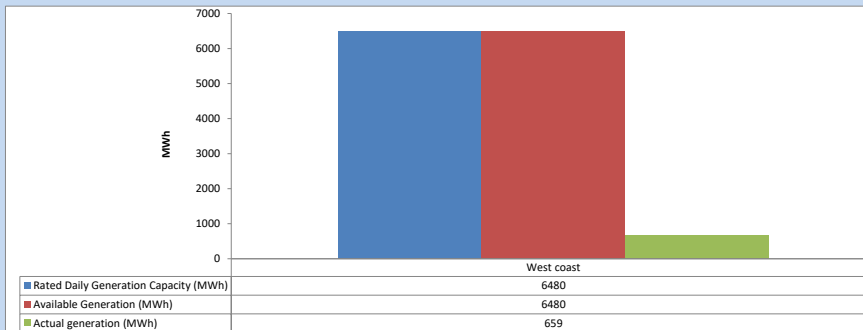


Plant availability is recorded at 6.00 am on

January 3, 2025

1.4 IPP owned Thermal Plant Dispatch

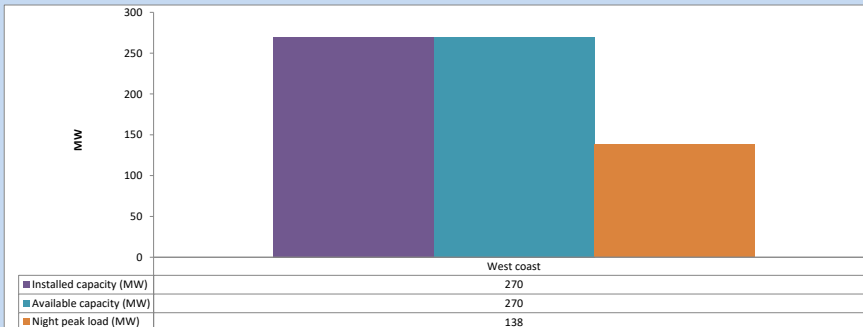
January 2, 2025



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

January 3, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

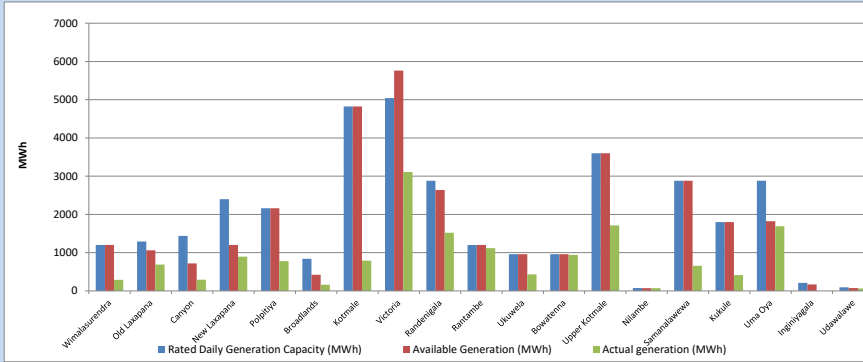


Plant availability is recorded at 6.00 am on

January 3, 2025

1.6 Major Hydro Plant Dispatch

January 2, 2025

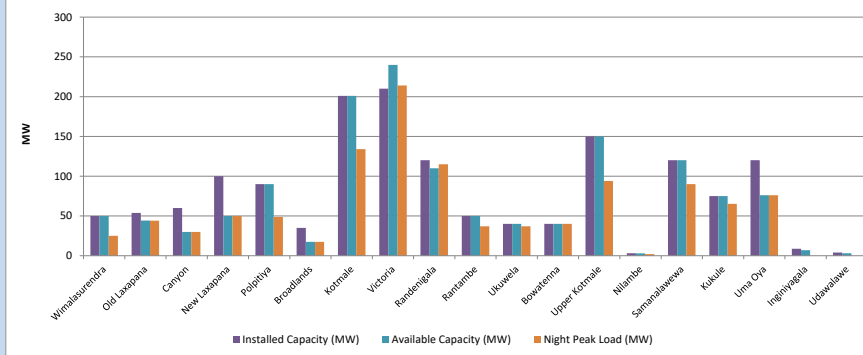


Available Generation is estimated based on plant availability at 6.00am on

January 3, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 2, 2025



Plant availability is recorded at 6.00 am on

January 3, 2025

1.8 Summary of Major Plant performance

January 2, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	290
Old Laxapana	54	44	44	691
Canyon	60	30	30	292
New Laxapana	100	50	50	896
Polpitiya	90	90	49	780
Broadlands	35	18	18	161
Kotmale	201	201	134	790
Victoria	210	240	214	3,112
Randenigala	120	110	115	1,520
Rantambe	50	50	37	1,119
Ukuwela	40	40	37	435
Bowatenna	40	40	40	940
Upper Kotmale	150	150	94	1,712
Nilambe	3	3	2	70
Samanalawewa	120	120	90	654
Kukule	75	75	65	415
Uma Oya	120	76	76	1,692
Inginigagala	9	7	0	0
Udawalawe	4	3	0	63
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,405
Puttalam Coal III	270	270	270	6,440
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	155	3,380
Sapugaskanda A	68	32	32	643
Sapugaskanda B	72	45	54	1,140
Uthura Janani	26	24	23	383
Barge CEB	60	60	59	1,047
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	138	659
Sobadhanavi	220	212	0	0
Total	3,602	2,842	2,364	35,729

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 3, 2025

1.9 Contribution to the Night Peak in MW

January 2, 2025

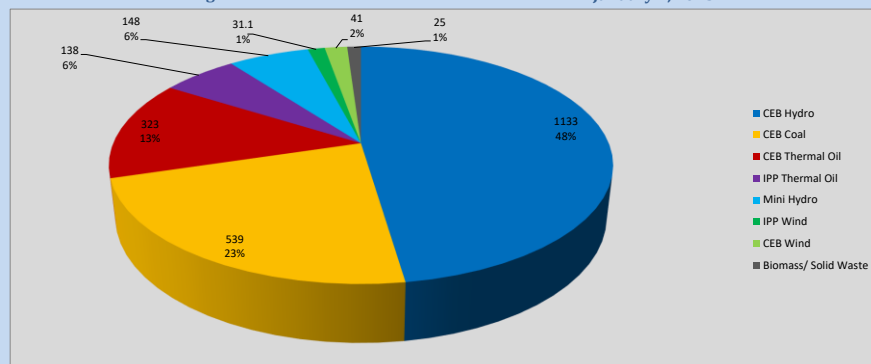


Table 05

CEB Hydro	1,133	MW
CEB Coal	539	MW
CEB Thermal Oil	323	MW
IPP Thermal Oil	138	MW
Mini Hydro (Telemetered)	148	MW
IPP Wind	31.1	MW
CEB Wind	41	MW
Biomass/ Solid Waste	25	MW

Recorded Peak Demand Data

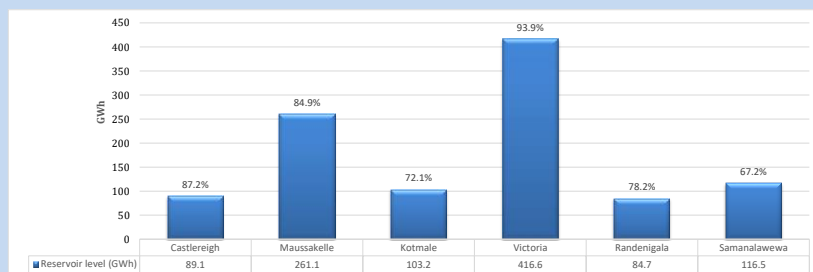
Table 06

Night Peak*	2,378	MW
Day Peak Maximum Demand	2,062	MW
Day Peak Minimum Demand	1,646	MW
Off Peak Minimum Demand	1,168	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 3, 2025



Total Reservoir Level
% of Total capacity

1,071 GWh
83.8%

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

January 2, 2025

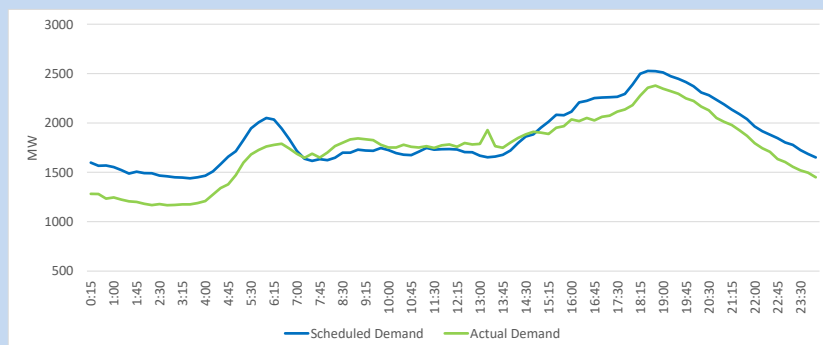
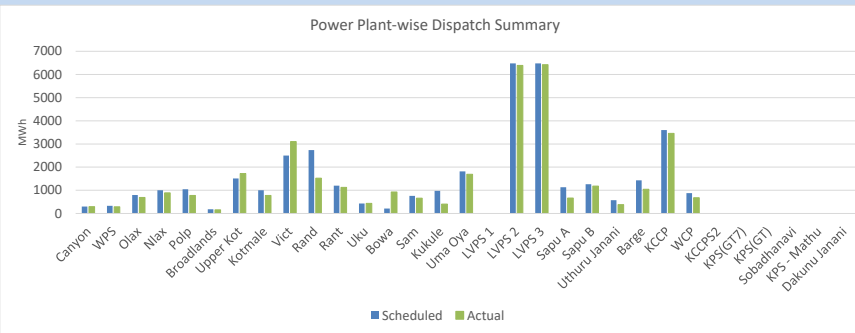


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	16,804	15,632	(1,172)
CEB Coal	12,960	12,845	(115)
CEB Thermal Oil	8,001	6,593	(1,408)
IPP Thermal Oil	880	659	(221)
NCRE (excluding non telemetered power plants)	5,960	6,134	174
Total	44,606	41,863	(2,743)

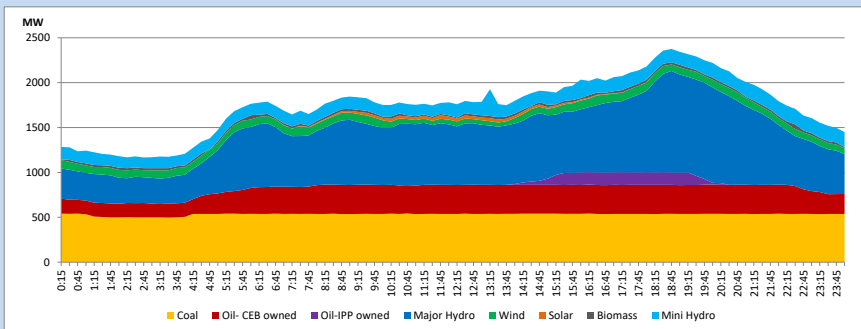
1.12 Power Plant-wise Dispatch Summary

January 2, 2025



1.13 Daily Load Curve

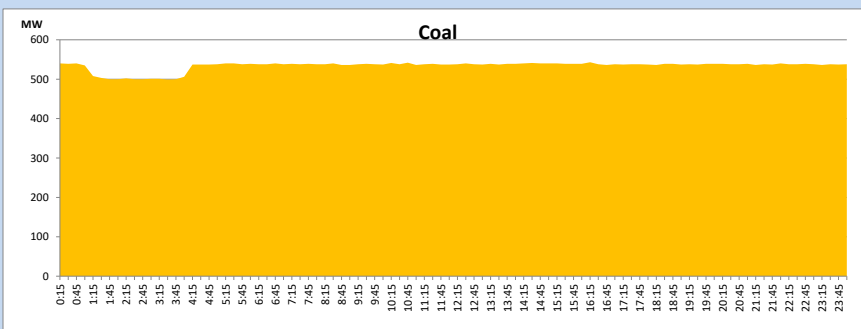
January 2, 2025



Solar and wind data is based on Telemetered Power Stations only

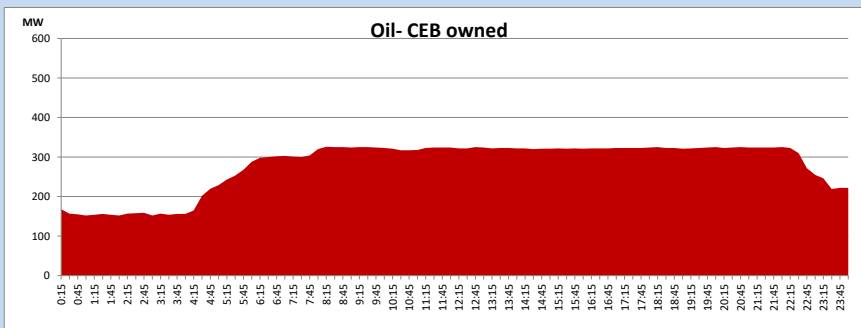
Coal Generation during

January 2, 2025



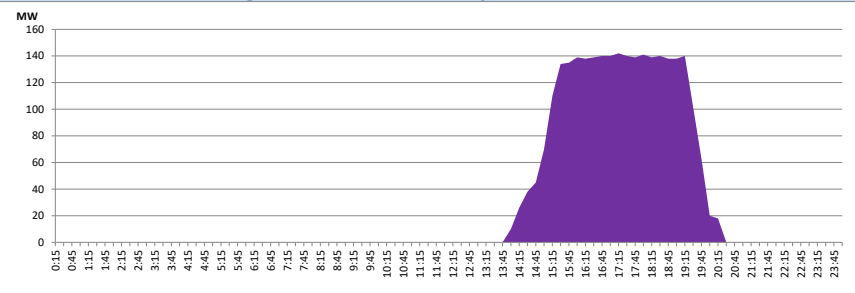
CEB Oil Plant Generation during

January 2, 2025



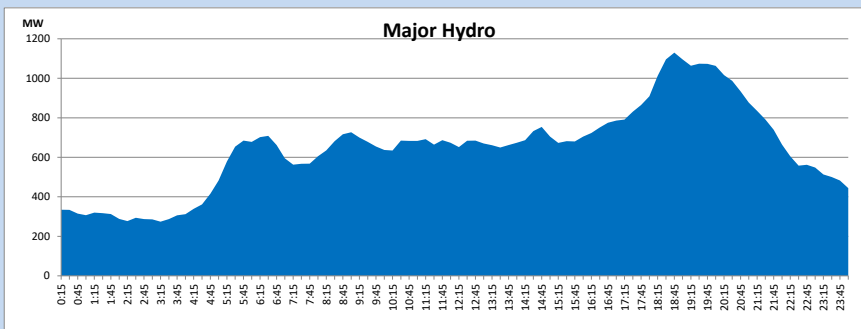
IPP Oil Plant Generation during

January 2, 2025



Major Hydro Generation during

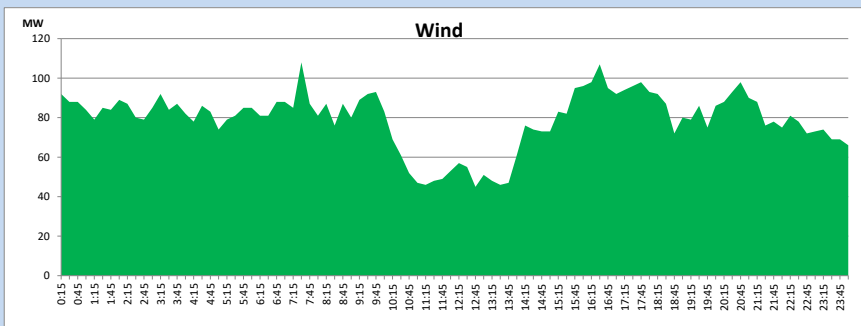
January 2, 2025



Wind Generation during

January 2, 2025

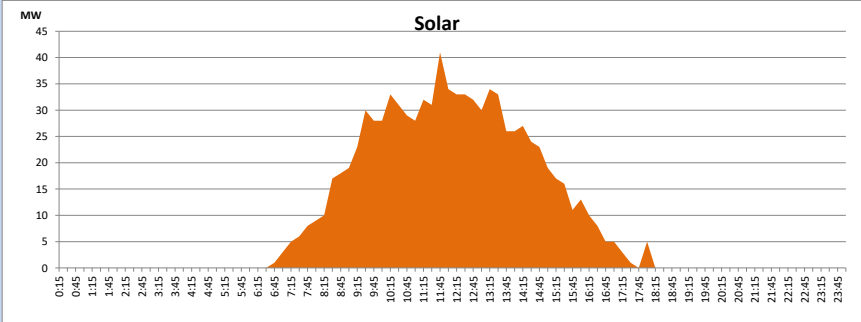
Based on Telemetered Power Stations only



Solar Generation during

January 2, 2025

Based on Telemetered Power Stations only

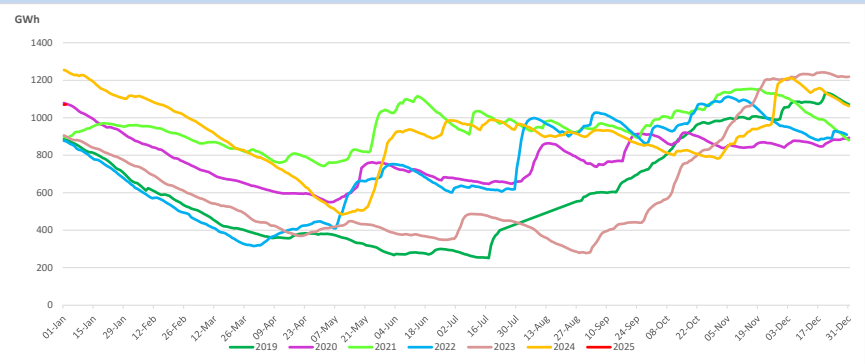


1.14 Major Incidents reported during the day

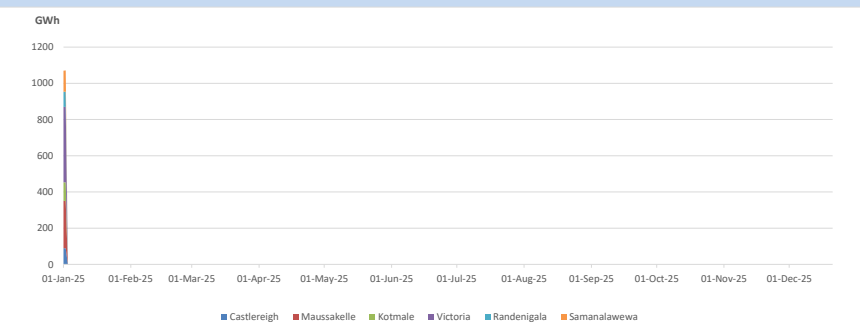
January 2, 2025

- 1) Old Laxapana Unit 03 made a forced shutdown at 05:48hrs due to MIV oil level high alarm. The unit is yet to resume generation.
- 2) Uma Oya Unit 02 made a forced shutdown at 09:12hrs for governor sump oil filling. The unit resumed generation at 12:51hrs.
- 3) Uma Oya Puhulpola pond spilling stopped at 18:00hrs and Dyraaba pond spilling continues to the present hour.

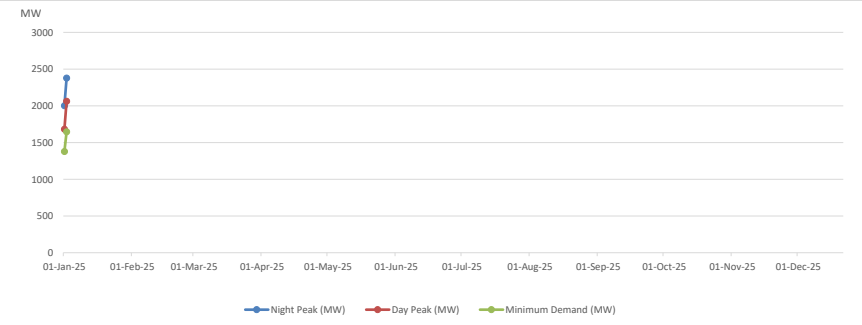
2. Comparison of Total Reservoir Storage Levels with Past Years



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

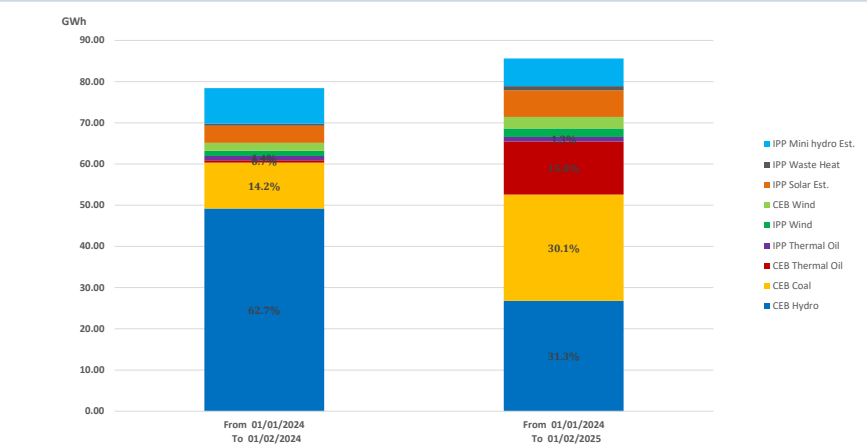


4. Variation of Demand during the current year



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 01/02/2024 78 GWh
From 01/01/2025 To 01/02/2025 86 GWh
The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants)
Unservd energy due to power cuts has been excluded in 2023

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 Capcity

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