

Generation and Reservoirs Statistics

January 24, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 24, 2025

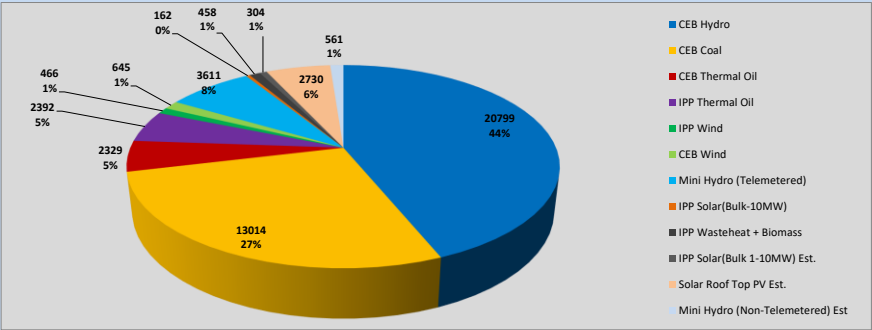


Table 01

	Generation (MWh)
CEB Hydro	20,799
CEB Coal	13,014
CEB Thermal Oil	2,329
IPP Thermal Oil	2,392
IPP Wind	466
CEB Wind	645
Mini Hydro (Telemetered)	3,611
IPP Solar (Bulk)	162
IPP Waste heat + Biomass	458
Total Generation (Excluding estimated figures)	43,876
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	561
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,730
Total Generation (Including estimated figures)	47,471

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	398	37.20%
CEB Coal	309	28.87%
CEB Thermal Oil	112	10.51%
IPP Thermal	38	3.56%
IPP Wind	19	1.75%
CEB Wind	21	1.98%
Mini Hydro *	84	7.87%
IPP Solar *	81	7.55%
IPP Waste heat + BMP	8	0.72%
Total	1,069	

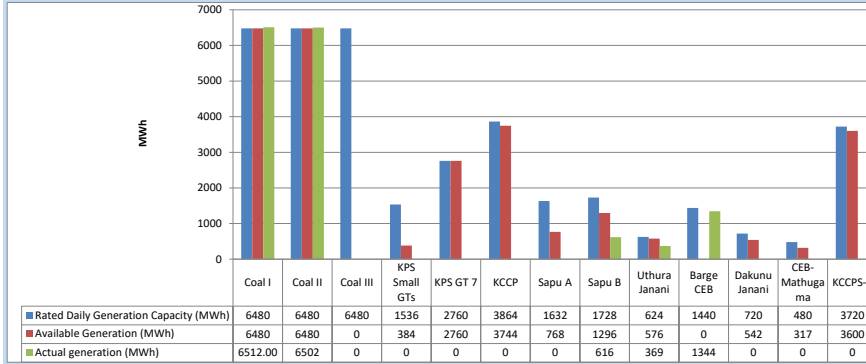
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	398	37.20%
CEB Coal	309	28.87%
CEB Thermal Oil	112	10.51%
IPP Thermal	38	3.56%
IPP Wind	19	1.75%
CEB Wind	21	1.98%
Mini Hydro *	84	7.87%
IPP Solar *	81	7.55%
IPP Waste heat	8	0.72%
Total	1,069	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 24, 2025

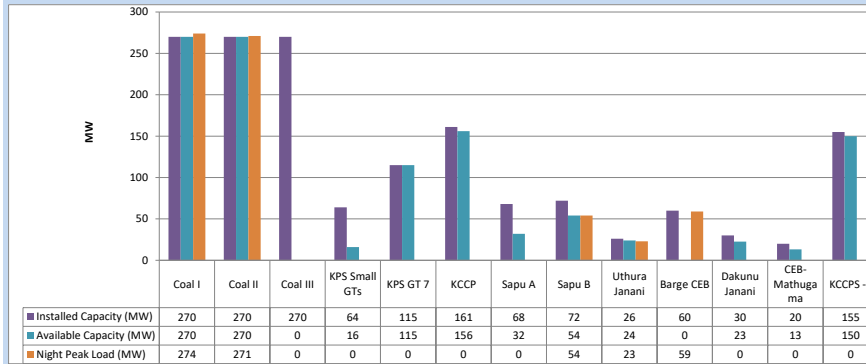


Available Generation is estimated based on plant availability at 6.00am on

January 25, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 24, 2025

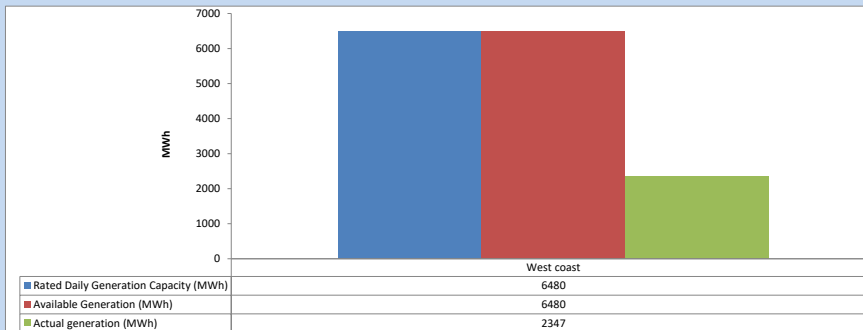


Plant availability is recorded at 6.00 am on

January 25, 2025

1.4 IPP owned Thermal Plant Dispatch

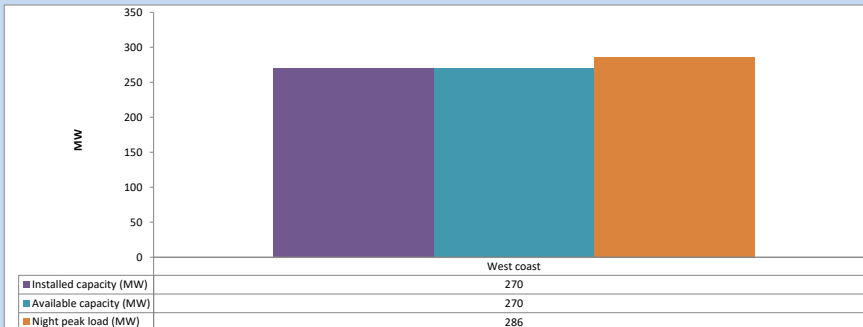
January 24, 2025



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

January 25, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

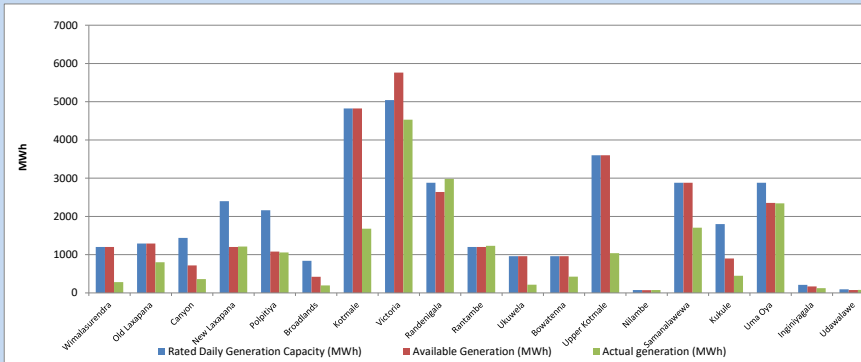


Plant availability is recorded at 6.00 am on

January 25, 2025

1.6 Major Hydro Plant Dispatch

January 24, 2025

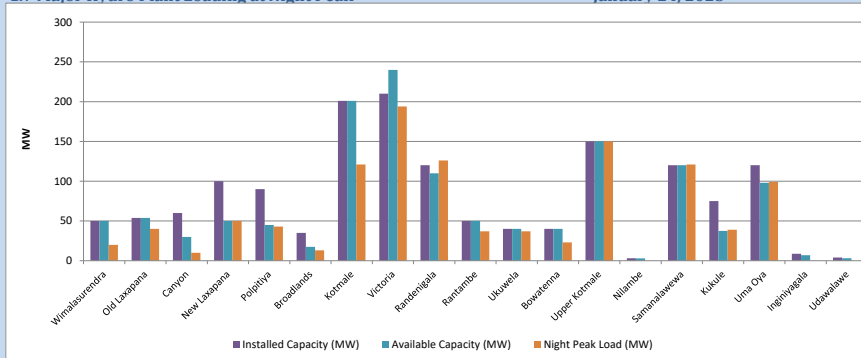


Available Generation is estimated based on plant availability at 6.00am on

January 25, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 24, 2025



Plant availability is recorded at 6.00 am on

January 25, 2025

1.8 Summary of Major Plant performance

January 24, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	20	281
Old Laxapana	54	54	40	801
Canyon	60	30	10	363
New Laxapana	100	50	50	1,213
Polpitiya	90	45	43	1,060
Broadlands	35	18	13	197
Kotmale	201	201	121	1,680
Victoria	210	240	194	4,530
Randenigala	120	110	126	2,984
Rantambe	50	50	37	1,230
Ukuwela	40	40	37	216
Bowatenna	40	40	23	425
Upper Kotmale	150	150	150	1,040
Nilambe	3	3	0	77
Samanalawewa	120	120	121	1,706
Kukule	75	38	39	449
Uma Oya	120	98	99	2,343
Inginigala	9	7	0	124
Udawalawe	4	3	0	79
Puttalam Coal I	270	270	274	6,512
Puttalam Coal II	270	270	271	6,502
Puttalam Coal III	270	0	0	0
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	0	0
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	54	616
Uthura Janani	26	24	23	369
Barge CEB	60	0	59	1,344
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	13	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	286	2,347
Sobadhanavi	220	0	0	45
Total	3,602	2,739	2,345	38,533

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 25, 2025

1.9 Contribution to the Night Peak in MW

January 24, 2025

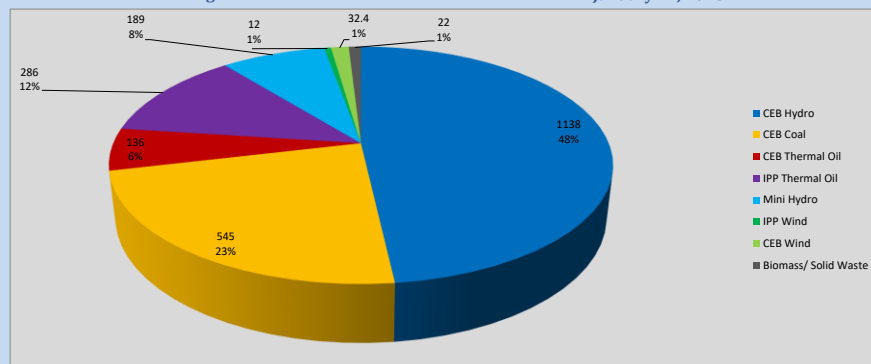


Table 05

CEB Hydro	1,138	MW
CEB Coal	545	MW
CEB Thermal Oil	136	MW
IPP Thermal Oil	286	MW
Mini Hydro (Telemetered)	189	MW
IPP Wind	12	MW
CEB Wind	32.4	MW
Biomass/ Solid Waste	22	MW

Recorded Peak Demand Data

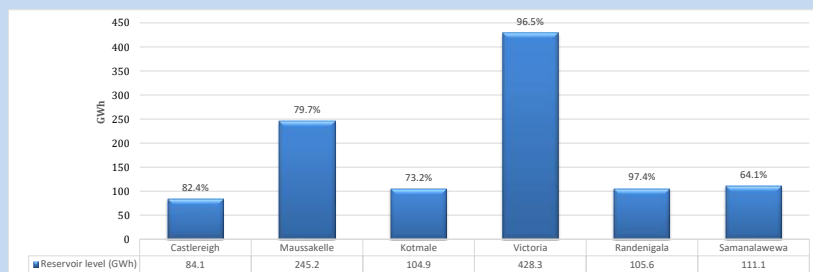
Table 06

Night Peak*	2,360	MW
Day Peak Maximum Demand	2,045	MW
Day Peak Minimum Demand	1,778	MW
Off Peak Minimum Demand	1,356	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 25, 2025



Total Reservoir Level
% of Total capacity

1,079 GWh
84.4%

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

January 24, 2025

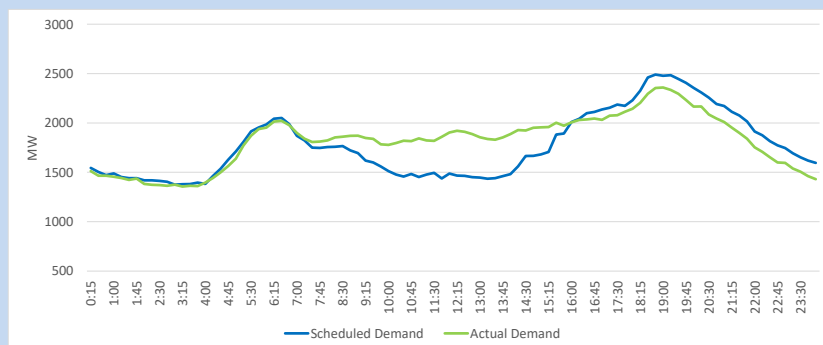
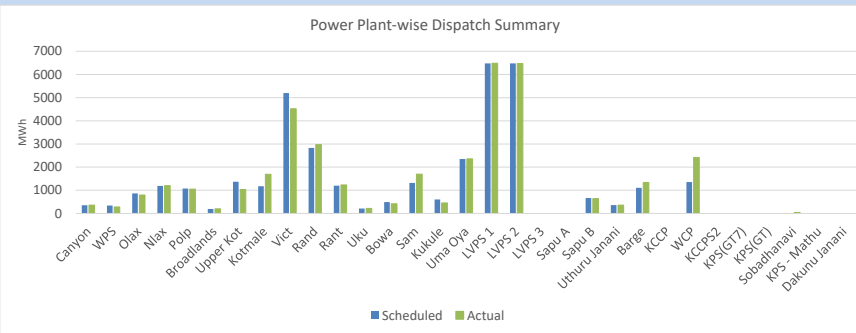


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	20,780	20,799	19
CEB Coal	12,960	13,014	54
CEB Thermal Oil	2,143	2,329	186
IPP Thermal Oil	1,356	2,392	1,036
NCRE (excluding non telemetered power plants)	5,272	5,342	70
Total	42,511	43,876	1,365

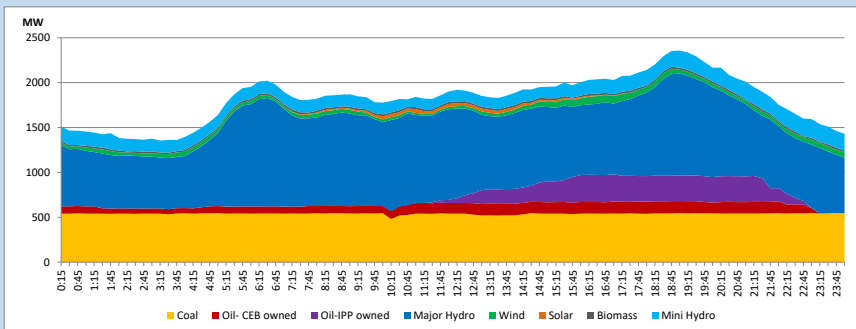
1.12 Power Plant-wise Dispatch Summary

January 24, 2025



1.13 Daily Load Curve

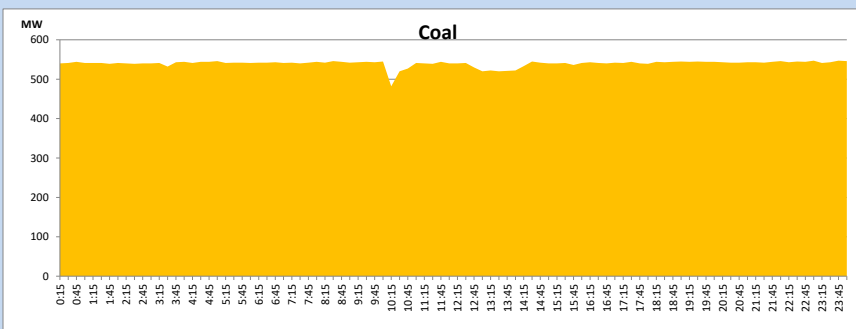
January 24, 2025



Solar and wind data is based on Telemetered Power Stations only

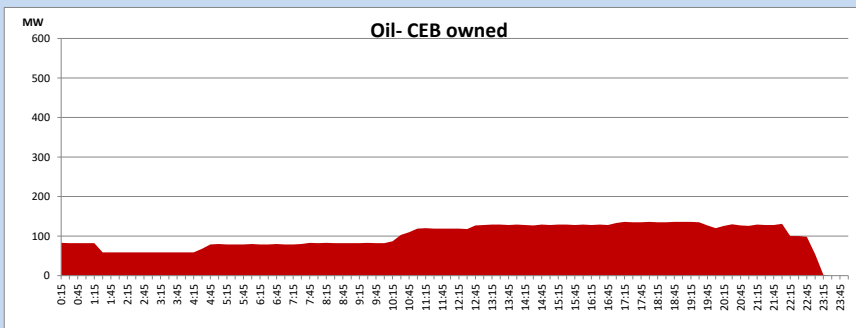
Coal Generation during

January 24, 2025



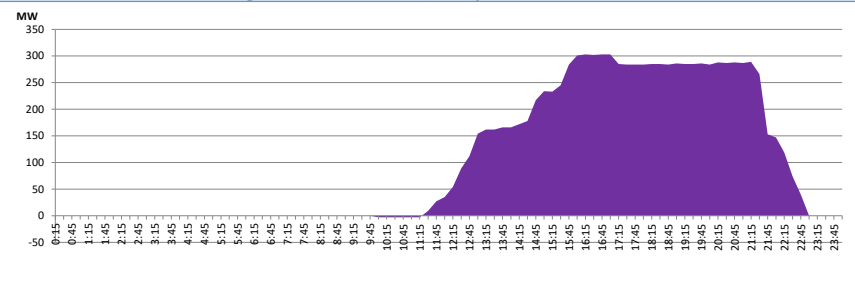
CEB Oil Plant Generation during

January 24, 2025



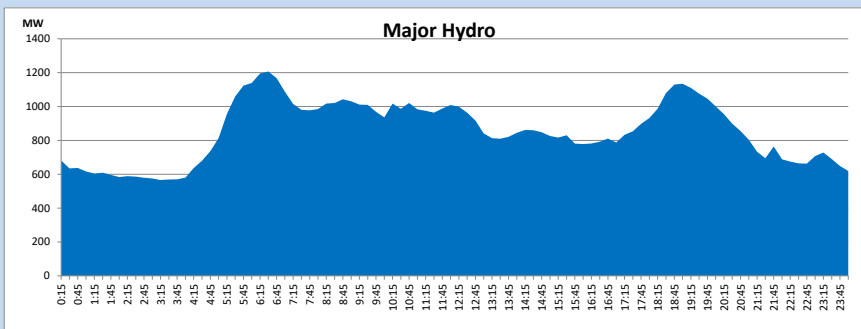
IPP Oil Plant Generation during

January 24, 2025



Major Hydro Generation during

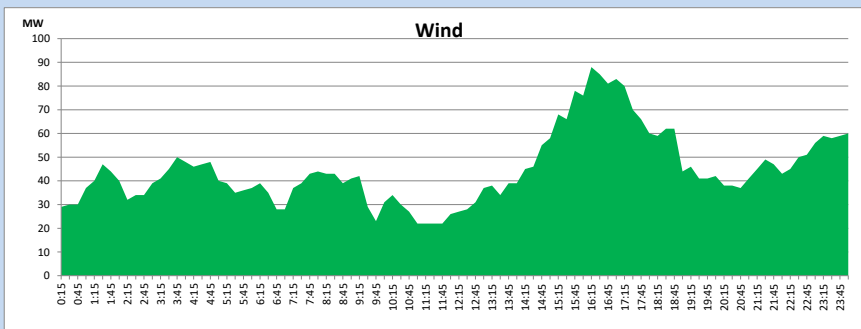
January 24, 2025



Wind Generation during

January 24, 2025

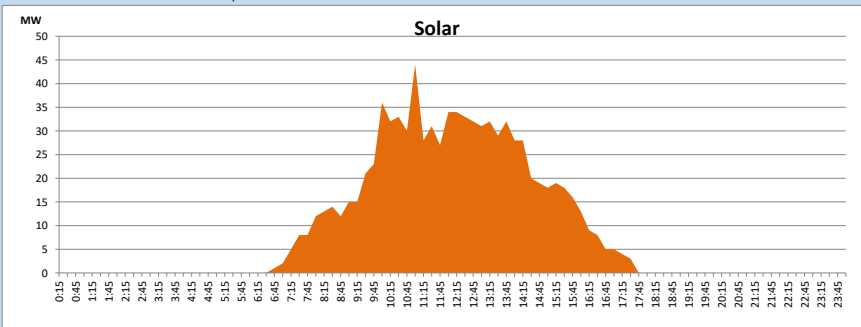
Based on Telemetered Power Stations only



Solar Generation during

January 24, 2025

Based on Telemetered Power Stations only

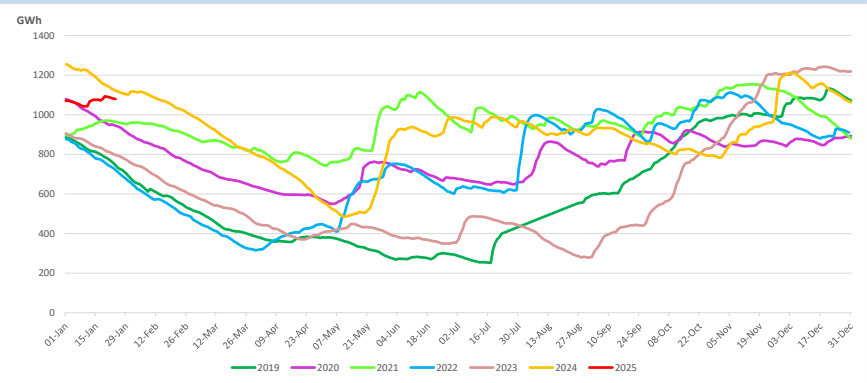


1.14 Major Incidents reported during the day

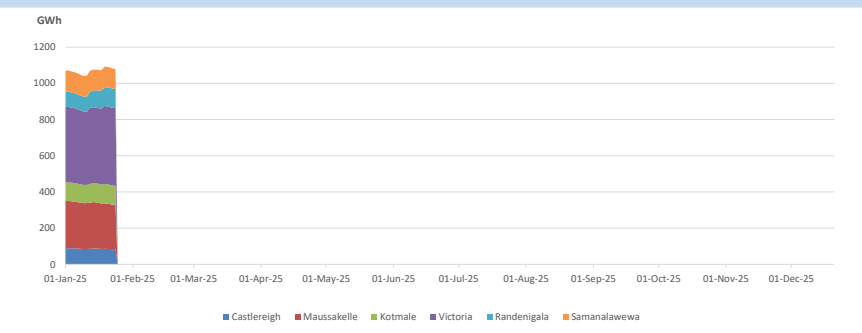
January 24, 2025

- 1) LVPS unit 01 deloaded to 210MW (Net) at 10:15hrs due to HP heater bypass issue. The unit reached full load at 14:30hrs.
- 2) LVPS - N'Chillaw 220kV cct 01 tripped and A/R from both ends at 15:18hrs due to the operation of differential protection.
- 3) Rantabe pond spilled intermittently and the spilling stopped at 01:45hrs (25.01.2025).
- 4) Uma Oya Dyraaba and Puhulpola ponds spilling started at 19:10hrs and 20:32hrs respectively. The Dyraaba pond spilling stopped at 04:04hrs (25.01.2025) and the Puhulpola pond spilling continues to the present hour.
- 5) Polonnaruwa - Valachcheni 132kV cct tripped from Polonnaruwa end and tripped and A/R from Valachcheni end at 04:52hrs (25.01.2025) due to the operation of distance protection. At the same time, New Habarana - Polonnaruwa 132kV cct tripped from New Habarana end, causing Polonnaruwa GSS to be dead, due to the operation of distance protection. Polonnaruwa - Valachcheni 132kV cct normalized at 05:08hrs and all affected feeders of Polonnaruwa GSS was normalized at 05:12hrs (25.01.2025). New Habarana - Polonnaruwa 132kV cct was normalized at 05:38hrs (25.01.2025).

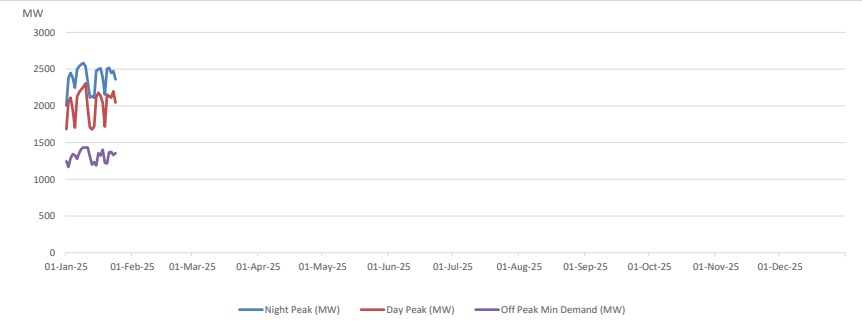
2. Comparison of Total Reservoir Storage Levels with Past Years



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

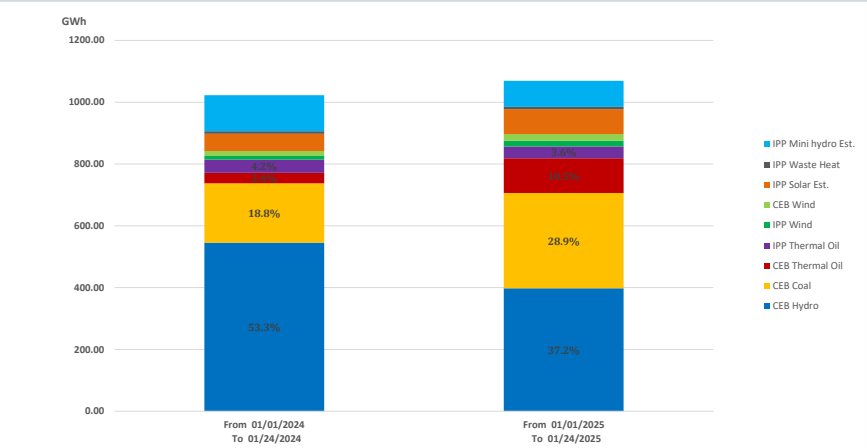


4. Variation of Demand during the current year



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 01/24/2024 1,023 GWh
From 01/01/2025 To 01/24/2025 1,069 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	253

Data Source - Monthly Review Report Oct 2024 for NCRE installed capacities except for Rooftop solar LECO