

Generation and Reservoirs Statistics

January 26, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 26, 2025

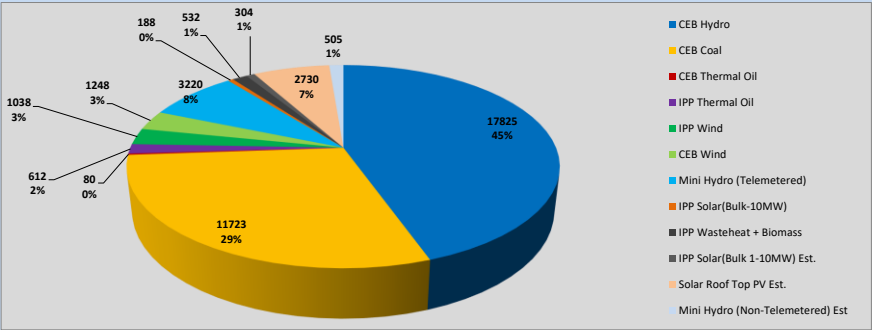


Table 01

	Generation (MWh)
CEB Hydro	17,825
CEB Coal	11,723
CEB Thermal Oil	80
IPP Thermal Oil	612
IPP Wind	1,038
CEB Wind	1,248
Mini Hydro (Telemetered)	3,220
IPP Solar (Bulk)	188
IPP Waste heat + Biomass	532
Total Generation (Excluding estimated figures)	36,466
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	505
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,730
Total Generation (Including estimated figures)	40,005

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	435	37.70%
CEB Coal	333	28.92%
CEB Thermal Oil	112	9.75%
IPP Thermal	40	3.50%
IPP Wind	21	1.79%
CEB Wind	24	2.04%
Mini Hydro *	92	7.97%
IPP Solar *	87	7.56%
IPP Waste heat + BMP	9	0.76%
Total	1,153	

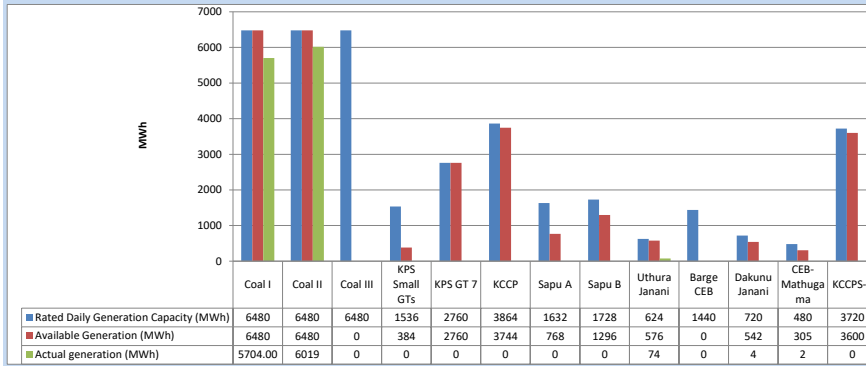
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	435	37.70%
CEB Coal	333	28.92%
CEB Thermal Oil	112	9.75%
IPP Thermal	40	3.50%
IPP Wind	21	1.79%
CEB Wind	24	2.04%
Mini Hydro *	92	7.97%
IPP Solar *	87	7.56%
IPP Waste heat	9	0.76%
Total	1,153	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 26, 2025

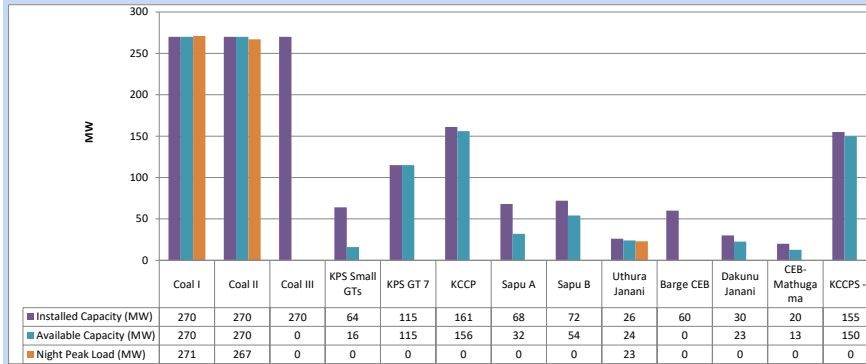


Available Generation is estimated based on plant availability at 6.00am on

January 27, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 26, 2025

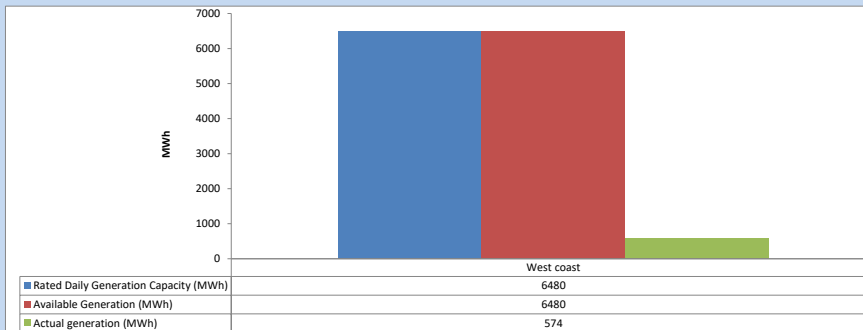


Plant availability is recorded at 6.00 am on

January 27, 2025

1.4 IPP owned Thermal Plant Dispatch

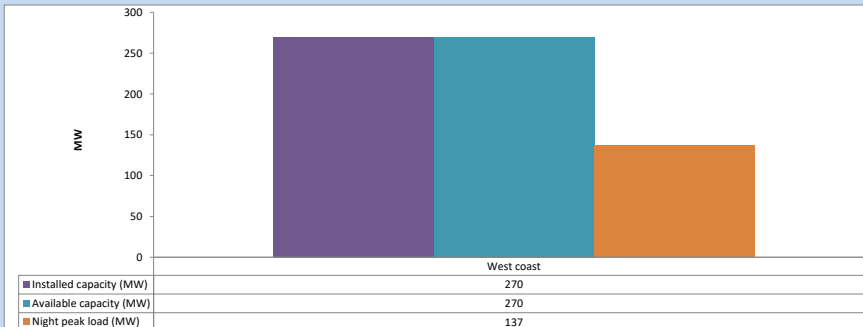
January 26, 2025



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

January 27, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

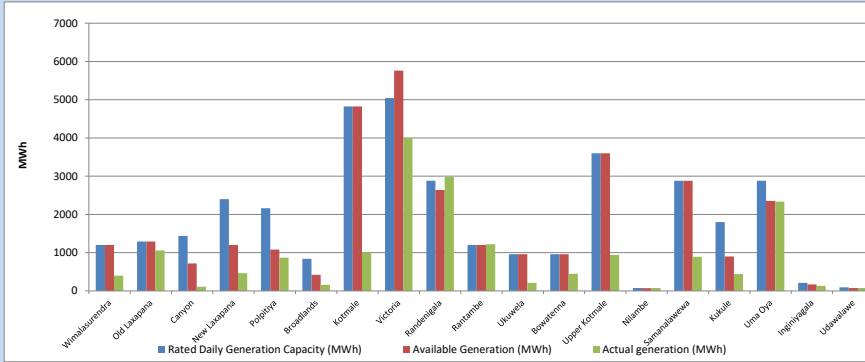


Plant availability is recorded at 6.00 am on

January 27, 2025

1.6 Major Hydro Plant Dispatch

January 26, 2025

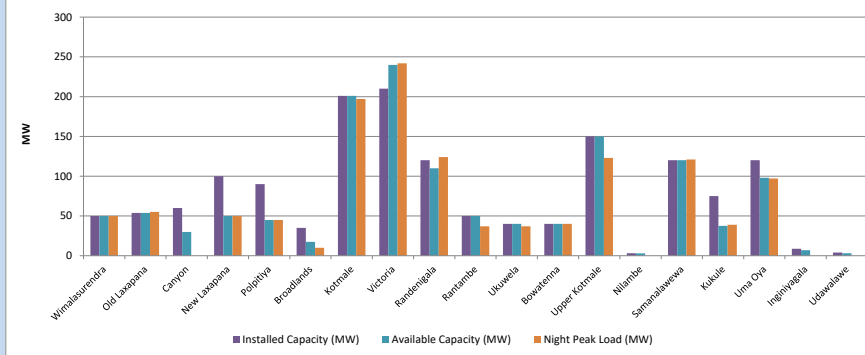


Available Generation is estimated based on plant availability at 6.00am on

January 27, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 26, 2025



Plant availability is recorded at 6.00 am on

January 27, 2025

1.8 Summary of Major Plant performance

January 26, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	401
Old Laxapana	54	54	55	1,059
Canyon	60	30	0	108
New Laxapana	100	50	50	465
Polpitiya	90	45	45	870
Broadlands	35	18	10	158
Kotmale	201	201	197	1,010
Victoria	210	240	242	3,996
Randenigala	120	110	124	2,982
Rantambe	50	50	37	1,220
Ukuwela	40	40	37	212
Bowatenna	40	40	40	448
Upper Kotmale	150	150	123	942
Nilambe	3	3	0	77
Samanalawewa	120	120	121	894
Kukule	75	38	39	441
Uma Oya	120	98	97	2,336
Inginiyagala	9	7	0	131
Udawalawe	4	3	0	77
Puttalam Coal I	270	270	271	5,704
Puttalam Coal II	270	270	267	6,019
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	0	0
Uthura Janani	26	24	23	74
Barge CEB	60	0	0	0
CEB-Hambantota	30	23	0	4
CEB-Mathugama	20	13	0	2
KCCPS-2	155	150	0	0
West Coast	270	270	137	574
Sobadhanavi	220	0	0	38
Total	3,602	2,738	2,193	30,242

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 27, 2025

1.9 Contribution to the Night Peak in MW

January 26, 2025

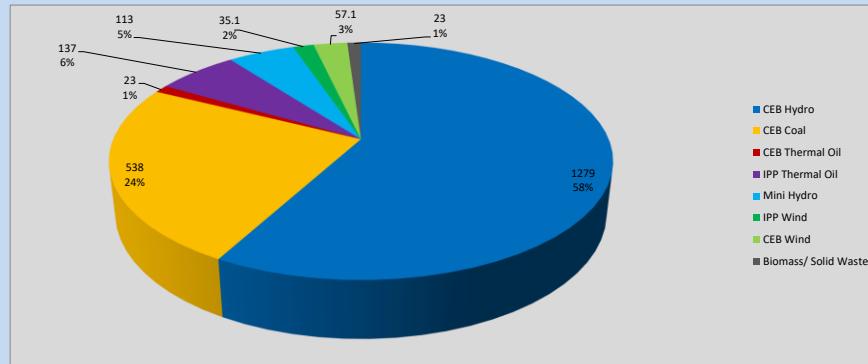


Table 05

CEB Hydro	1,279	MW
CEB Coal	538	MW
CEB Thermal Oil	23	MW
IPP Thermal Oil	137	MW
Mini Hydro (Telemetered)	113	MW
IPP Wind	35.1	MW
CEB Wind	57.1	MW
Biomass/ Solid Waste	23	MW

Recorded Peak Demand Data

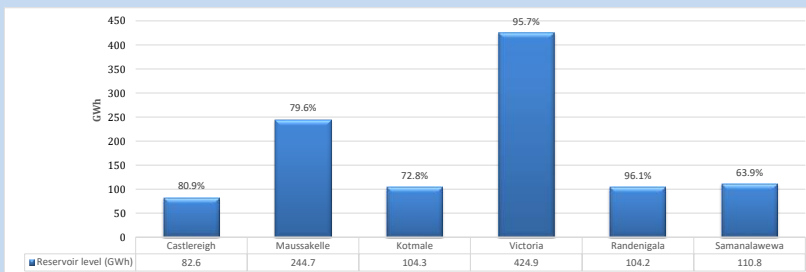
Table 06

Night Peak*	2,205	MW
Day Peak Maximum Demand	1,694	MW
Day Peak Minimum Demand	1,054	MW
Off Peak Minimum Demand	1,283	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 27, 2025



Total Reservoir Level
% of Total capacity

1,072 GWh
83.8%

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

January 26, 2025

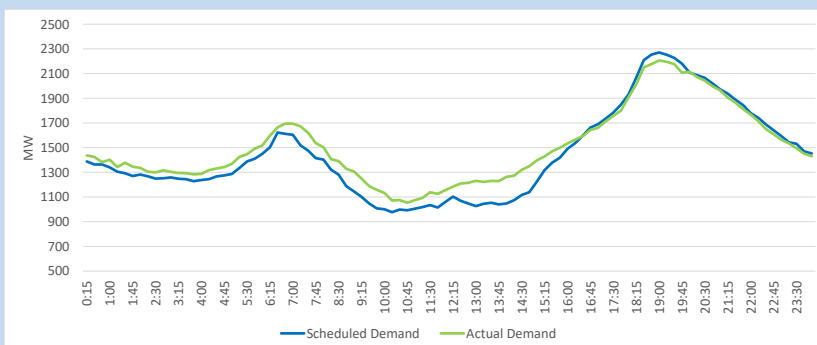
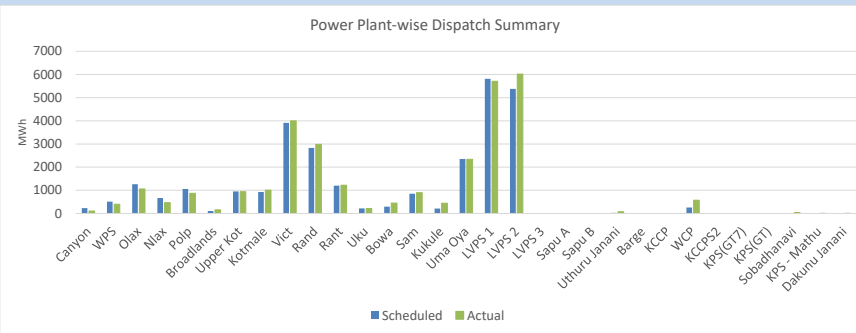


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	17,593	17,825	232
CEB Coal	11,194	11,723	529
CEB Thermal Oil	28	80	52
IPP Thermal Oil	256	612	356
NCRE (excluding non telemetered power plants)	5,628	6,226	598
Total	34,699	36,466	1,767

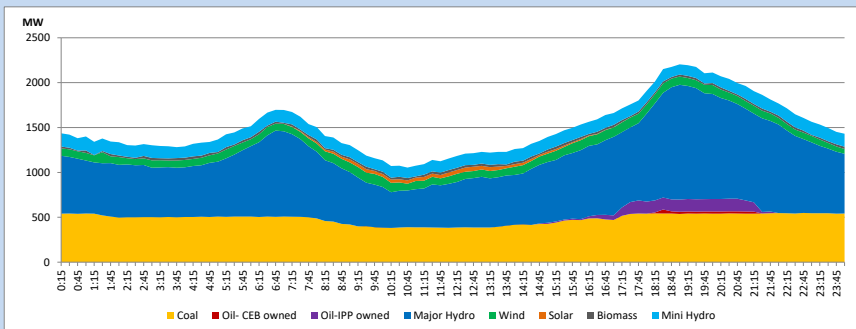
1.12 Power Plant-wise Dispatch Summary

January 26, 2025



1.13 Daily Load Curve

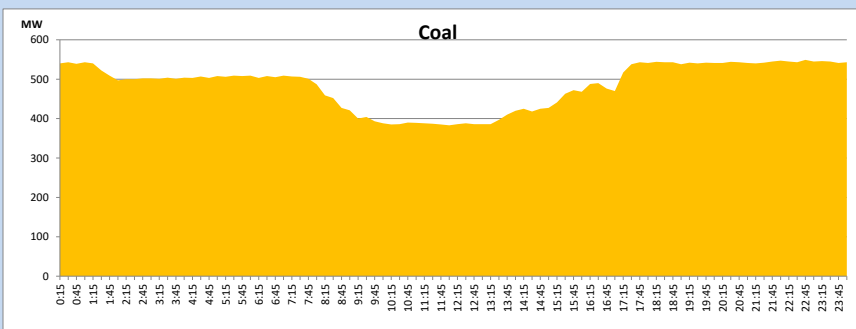
January 26, 2025



Solar and wind data is based on Telemetered Power Stations only

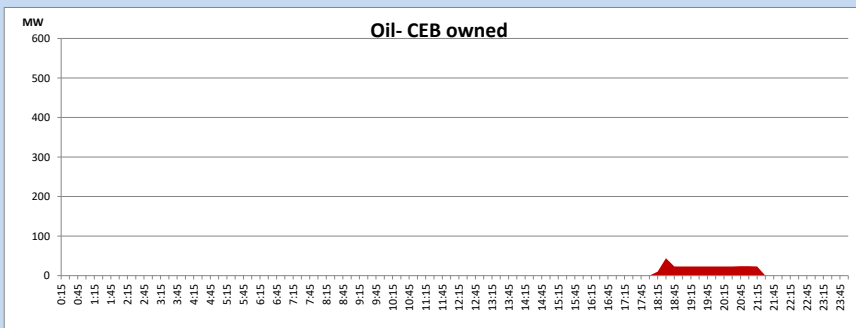
Coal Generation during

January 26, 2025

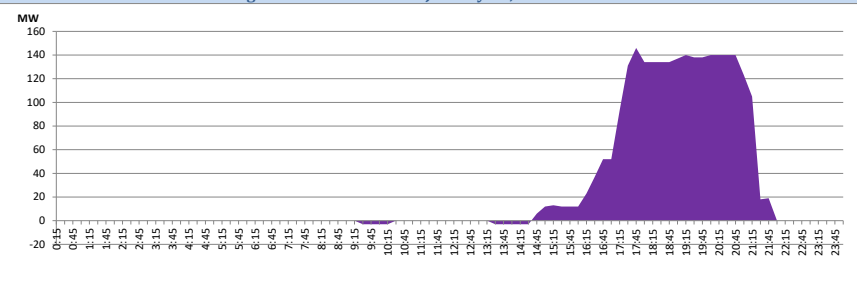


CEB Oil Plant Generation during

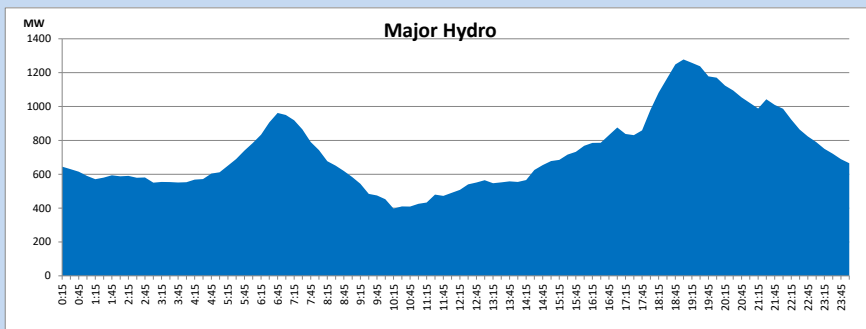
January 26, 2025



IPP Oil Plant Generation during January 26, 2025

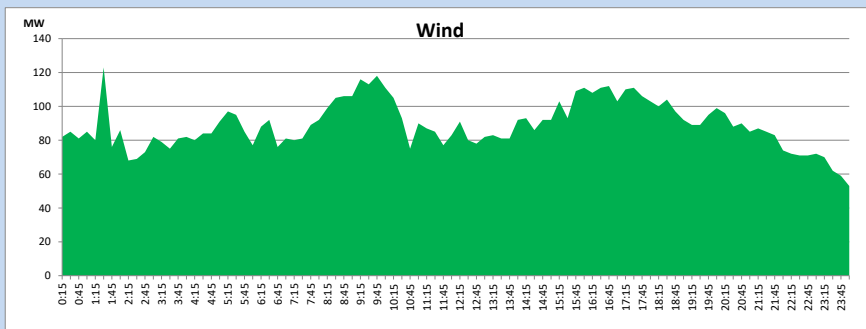


Major Hydro Generation during January 26, 2025



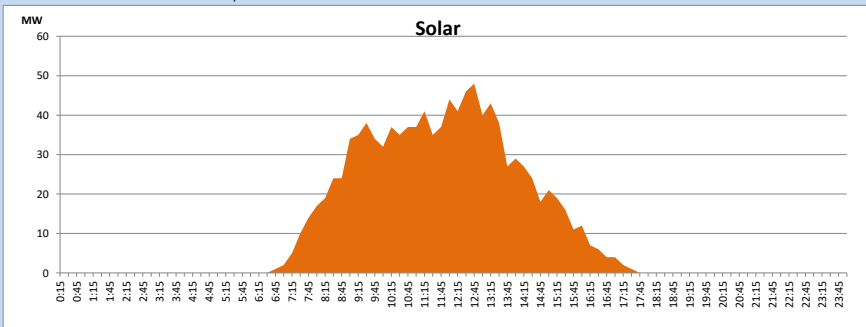
Wind Generation during January 26, 2025

Based on Telemetered Power Stations only



Solar Generation during January 26, 2025

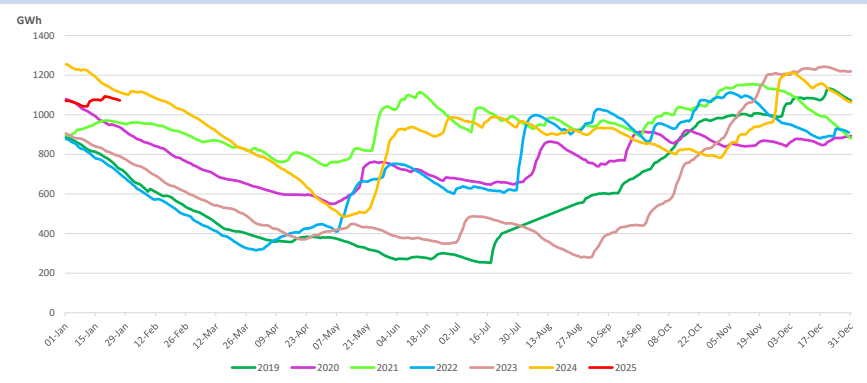
Based on Telemetered Power Stations only



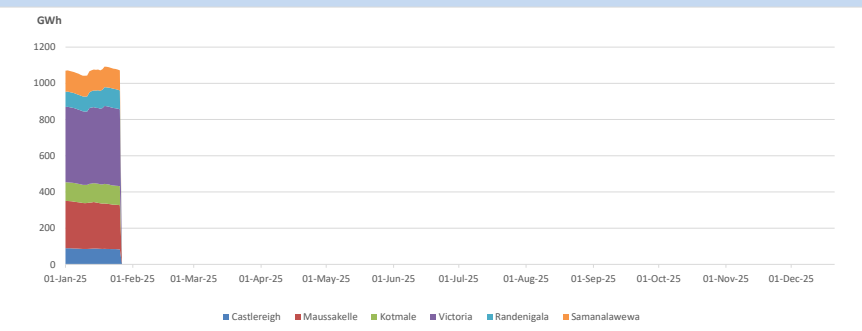
1.14 Major Incidents reported during the day January 26, 2025

- 1) Rantambe pond spilled intermittently and the spilling stopped at 05:48hrs (27.01.2025).
- 2) LVPS Unit 03 synchronized at 04:20hrs (27.01.2025) after a planned maintenance and the Unit is under the startup process.

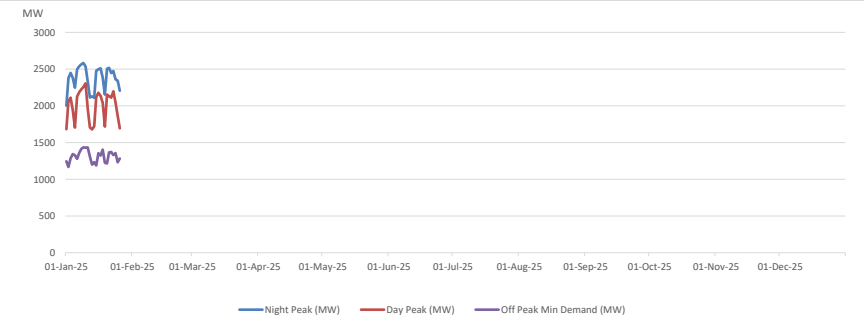
2. Comparison of Total Reservoir Storage Levels with Past Years



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

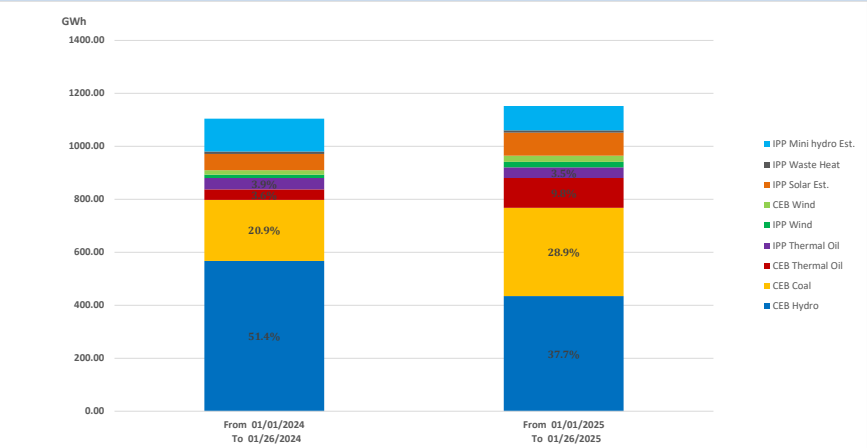


4. Variation of Demand during the current year



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 01/26/2024 1,105 GWh
From 01/01/2025 To 01/26/2025 1,153 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