

Generation and Reservoirs Statistics

February 28, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

February 28, 2025

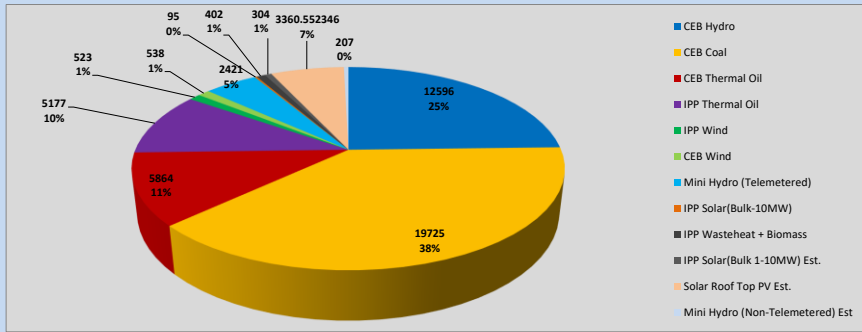


Table 01

	Generation (MWh)
CEB Hydro	12,596
CEB Coal	19,725
CEB Thermal Oil	5,864
IPP Thermal Oil	5,177
IPP Wind	523
CEB Wind	538
Mini Hydro (Telemetered)	2,421
IPP Solar (Bulk)	95
IPP Waste heat + Biomass	402
Total Generation (Excluding estimated figures)	47,341
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	207
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV (including LECO)	3,361
Total Generation (Including estimated figures)	51,213

* Estimated figures have been taken from the CEB generation report, and additional LECO RT generation estimate has been included.

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	383	29.57%
CEB Coal	394	30.43%
CEB Thermal Oil	159	12.29%
IPP Thermal	133	10.29%
IPP Wind	16	1.24%
CEB Wind	16	1.26%
Mini Hydro *	65	4.99%
IPP Solar *	115	8.91%
IPP Waste heat + BMP	13	1.02%
Total	1,294	

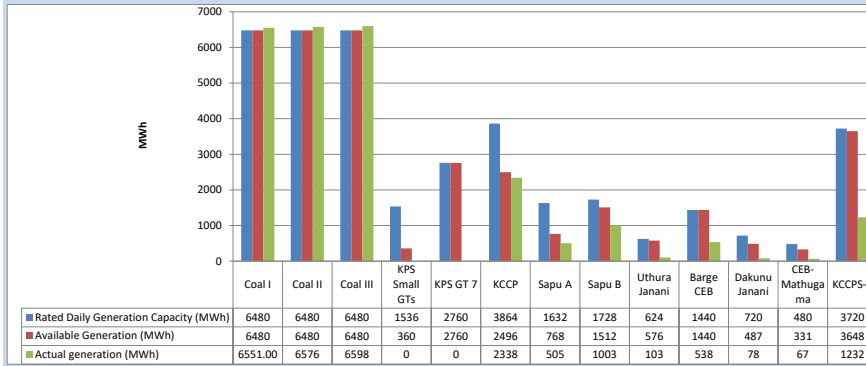
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	916	33.95%
CEB Coal	802	29.73%
CEB Thermal Oil	284	10.53%
IPP Thermal	178	6.61%
IPP Wind	40	1.48%
CEB Wind	43	1.60%
Mini Hydro *	176	6.53%
IPP Solar *	234	8.68%
IPP Waste heat	24	0.89%
Total	2,697	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

February 28, 2025

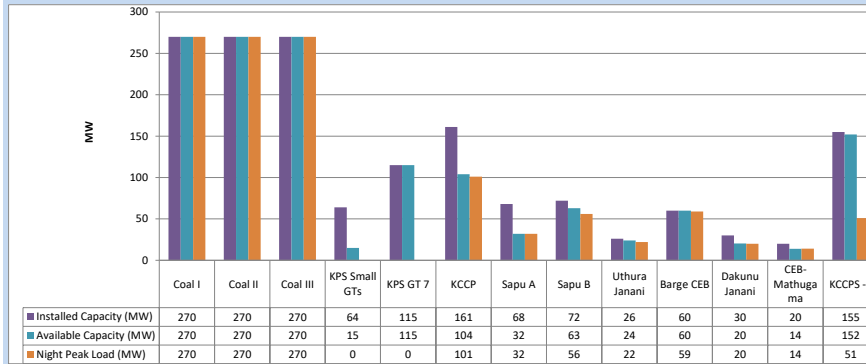


Available Generation is estimated based on plant availability at 6.00am on

March 1, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

February 28, 2025

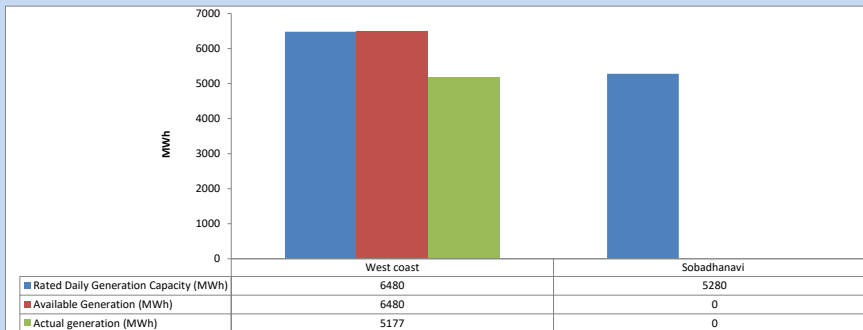


Plant availability is recorded at 6.00 am on

March 1, 2025

1.4 IPP owned Thermal Plant Dispatch

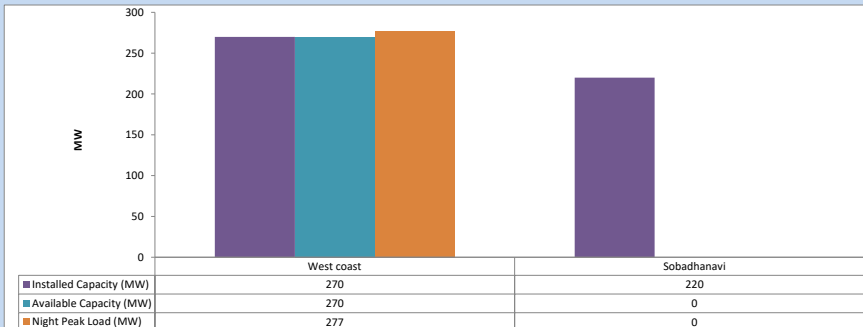
February 28, 2025



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

March 1, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

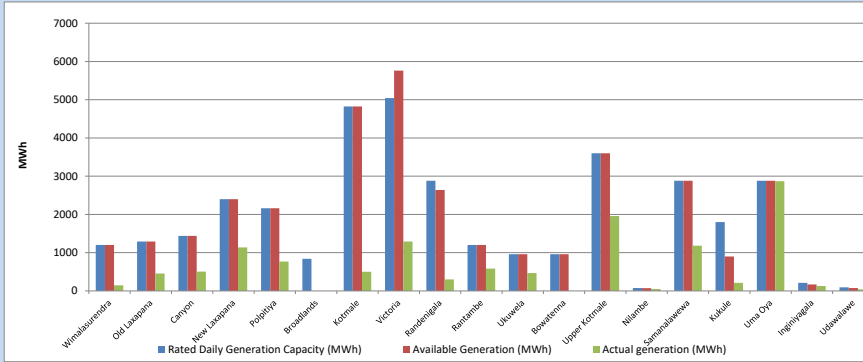


Plant availability is recorded at 6.00 am on

March 1, 2025

1.6 Major Hydro Plant Dispatch

February 28, 2025

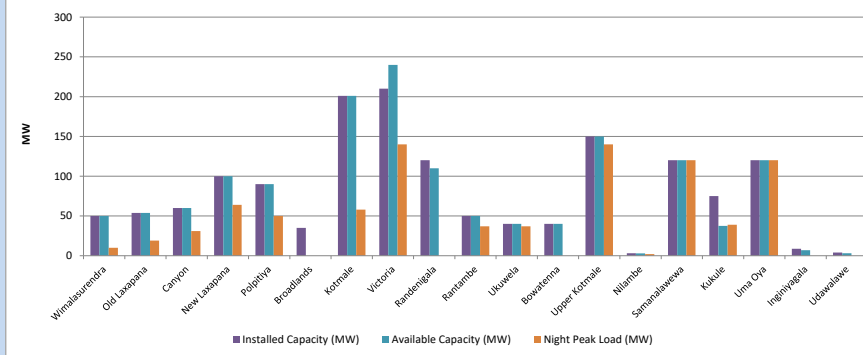


Available Generation is estimated based on plant availability at 6.00am on

March 1, 2025

1.7 Major Hydro Plant Loading at Night Peak

February 28, 2025



Plant availability is recorded at 6.00 am on

March 1, 2025

1.8 Summary of Major Plant performance

February 28, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	146
Old Laxapana	54	54	19	456
Canyon	60	60	31	503
New Laxapana	100	100	64	1,137
Polpitiya	90	90	50	770
Broadlands	35	0	0	0
Kotmale	201	201	58	500
Victoria	210	240	140	1,292
Randenigala	120	110	0	301
Rantambe	50	50	37	583
Ukuwela	40	40	37	467
Bowatenna	40	40	0	0
Upper Kotmale	150	150	140	1,958
Nilambe	3	3	2	49
Samanalawewa	120	120	120	1,182
Kukule	75	38	39	210
Uma Oya	120	120	120	2,868
Inginigala	9	7	0	129
Udawalawe	4	3	0	43
Puttalam Coal I	270	270	270	6,551
Puttalam Coal II	270	270	270	6,576
Puttalam Coal III	270	270	270	6,598
KPS Small GTs	64	15	0	0
KPS GT 7	115	115	0	0
KCCP	161	104	101	2,338
Sapugaskanda A	68	32	32	505
Sapugaskanda B	72	63	56	1,003
Uthura Janani	26	24	22	103
Barge CEB	60	60	59	538
CEB-Hambantota	30	20	20	78
CEB-Mathugama	20	14	14	67
KCCPS-2	155	152	51	1,232
West Coast	270	270	277	5,177
Sobadhanavi	220	0	0	0
Total	3,602	3,155	2,498	43,360

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

March 1, 2025

1.9 Contribution to the Night Peak in MW

February 28, 2025

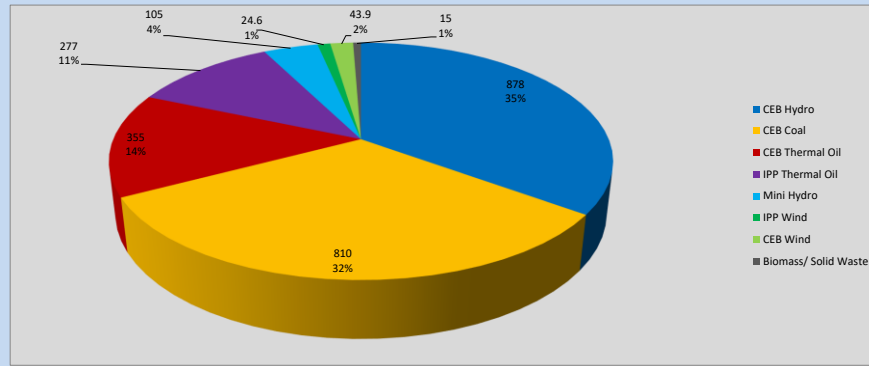


Table 05

CEB Hydro	878	MW
CEB Coal	810	MW
CEB Thermal Oil	355	MW
IPP Thermal Oil	277	MW
Mini Hydro (Telemetered)	105	MW
IPP Wind	24.6	MW
CEB Wind	43.9	MW
Biomass/ Solid Waste	15	MW

Recorded Peak Demand Data

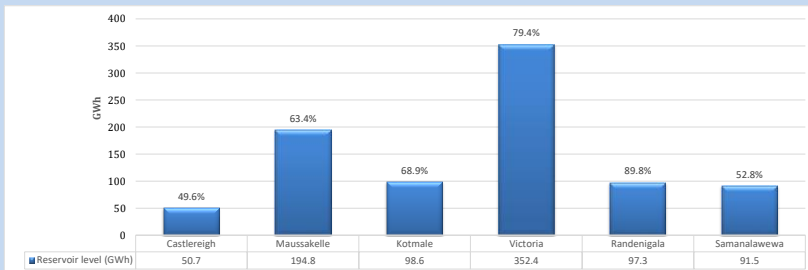
Table 06

Night Peak*	2,509	MW
Day Peak Maximum Demand	2,215	MW
Day Peak Minimum Demand	1,828	MW
Off Peak Minimum Demand	1,522	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 March 1, 2025



Total Reservoir Level
% of Total capacity

885 GWh
69.3%

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

February 28, 2025

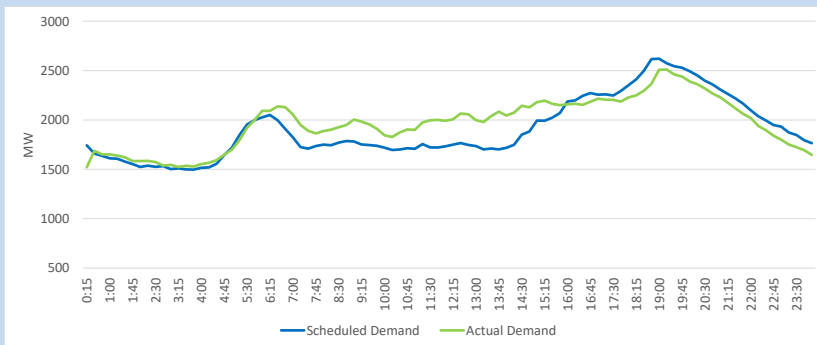
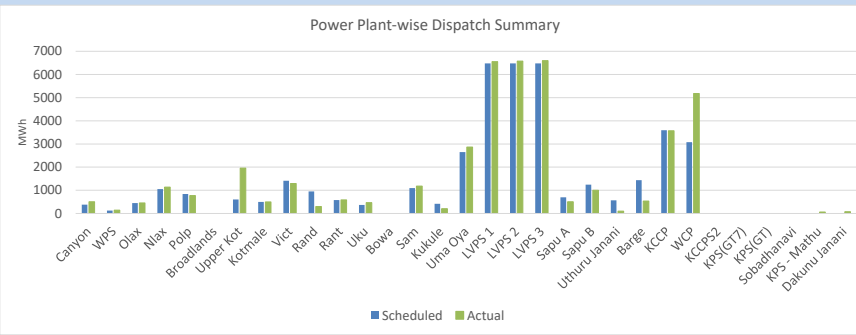


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	11,430	12,596	1,166
CEB Coal	19,431	19,725	294
CEB Thermal Oil	7,551	5,864	(1,687)
IPP Thermal Oil	3,077	5,177	2,100
NCRE (excluding non telemetered power plants)	4,317	3,979	(338)
Total	45,805	47,341	1,536

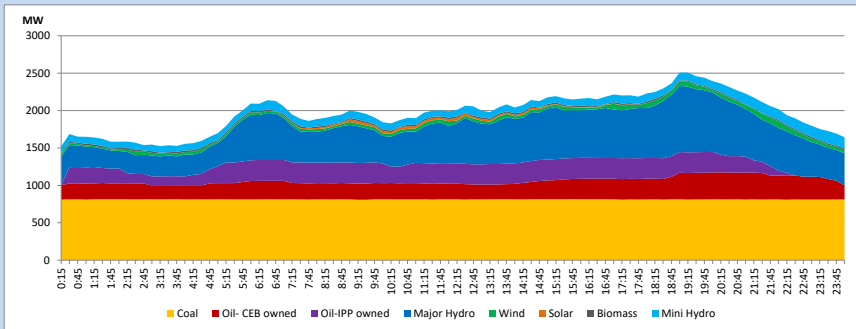
1.12 Power Plant-wise Dispatch Summary

February 28, 2025



1.13 Daily Load Curve

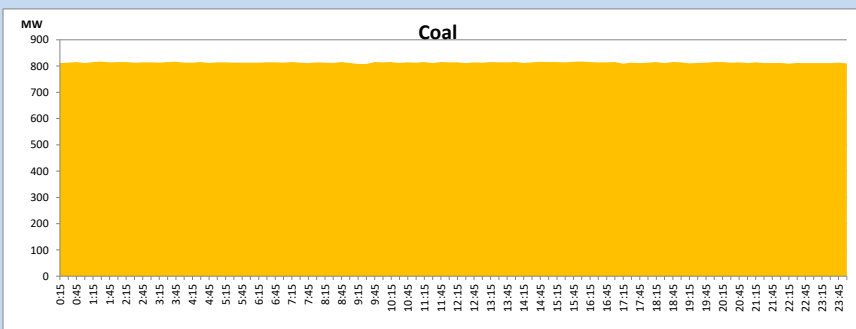
February 28, 2025



Solar and wind data is based on Telemetered Power Stations only

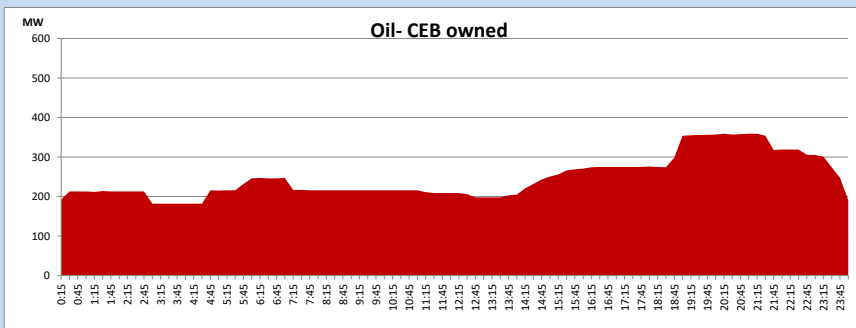
Coal Generation during

February 28, 2025



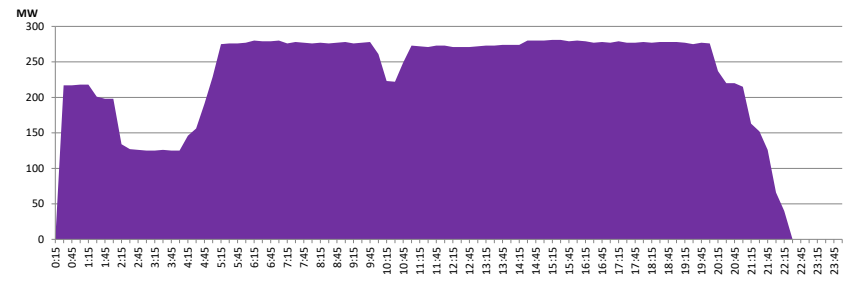
CEB Oil Plant Generation during

February 28, 2025



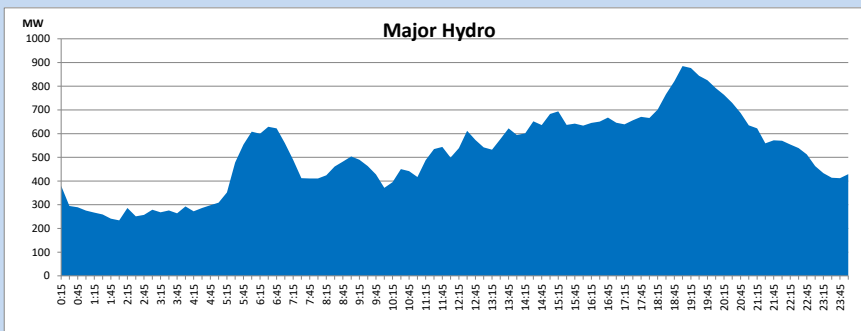
IPP Oil Plant Generation during

February 28, 2025



Major Hydro Generation during

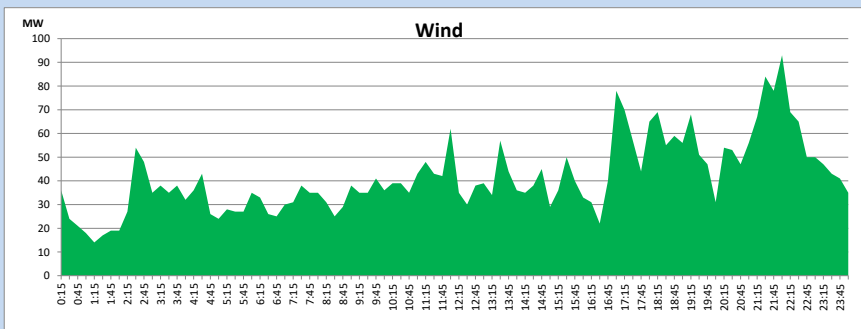
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Wind Generation during

February 28, 2025

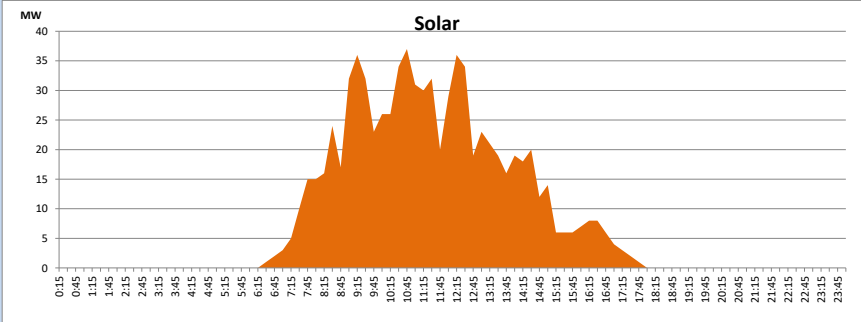
Based on Telemetered Power Stations only



Solar Generation during

February 28, 2025

Based on Telemetered Power Stations only

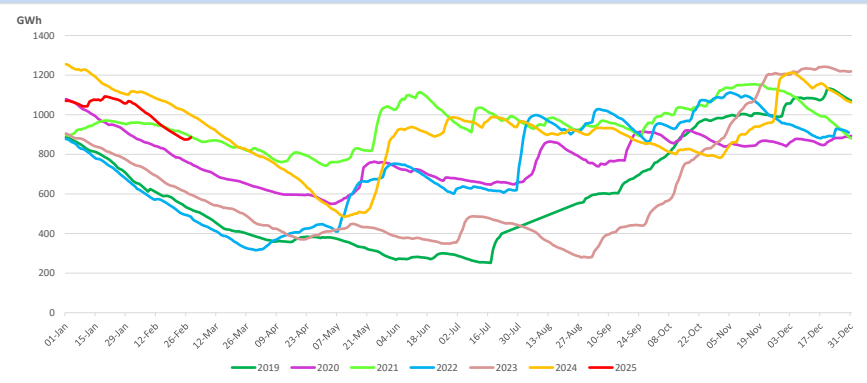


1.14 Major Incidents reported during the day

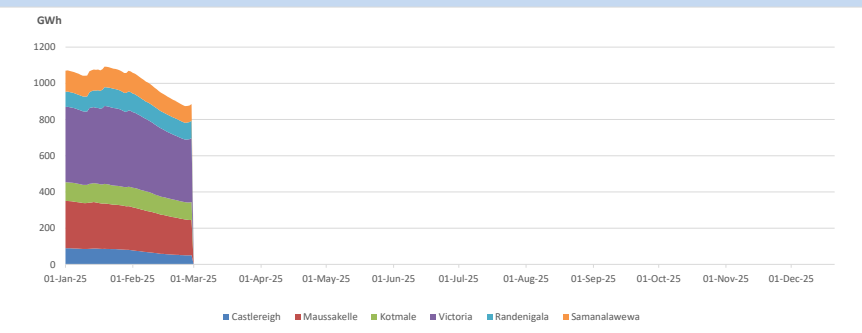
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- 1) Puhulpola pond spilling started at 11:15hrs and spilling continues to the present hour.
- 2) Dyraaba pond spilled several times, which started at 8:10hrs, and spilling continues to the present hour.

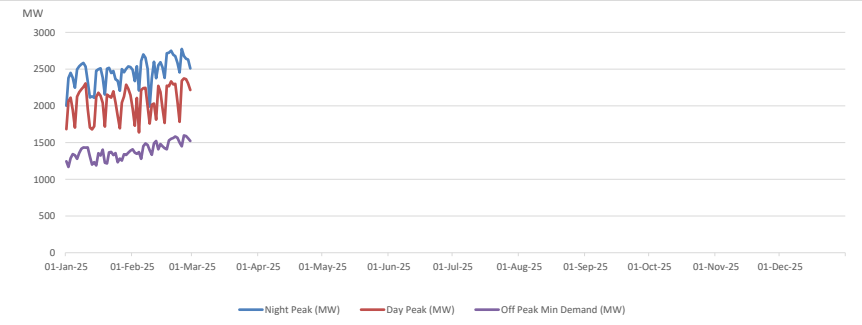
2. Comparison of Total Reservoir Storage Levels with Past Years



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

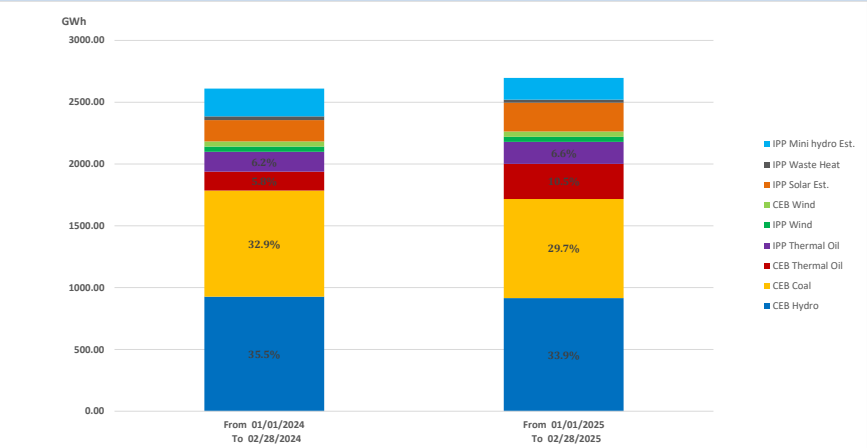


4. Variation of Demand during the current year



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 02/28/2024 2,610 GWh
From 01/01/2025 To 02/26/2025 2,697 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	610
Rooftop Solar (LT Bulk) -CEB	366
Rooftop Solar (HT Bulk)- CEB	121
Rooftop Solar - LECO	268

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