Generation and Reservoirs Statistics

January 25, 2025

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 25, 2025

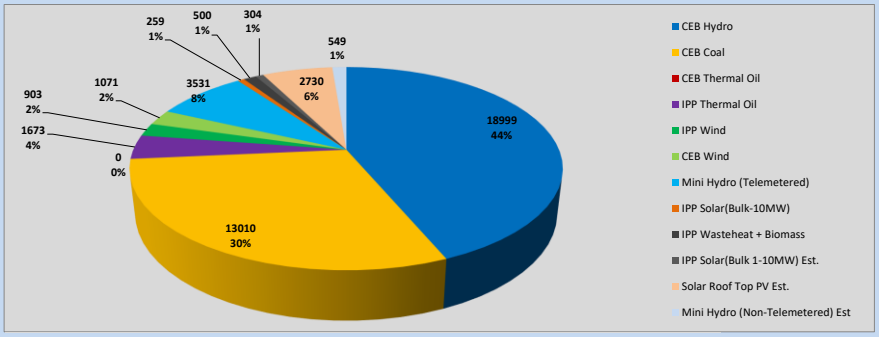


Table 01

	Generation (MWh)
CEB Hydro	18,999
CEB Coal	13,010
CEB Thermal Oil	-
IPP Thermal Oil	1,673
IPP Wind	903
CEB Wind	1,071
Mini Hydro (Telemetered)	3,531
IPP Solar (Bulk)	259
IPP Waste heat + Biomass	500
Total Generation (Excluding estimated figures)	39,946
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	549
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,730
Total Generation (Including estimated figures)	**43,529**

*** Estimated figures of CEB generation report**

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

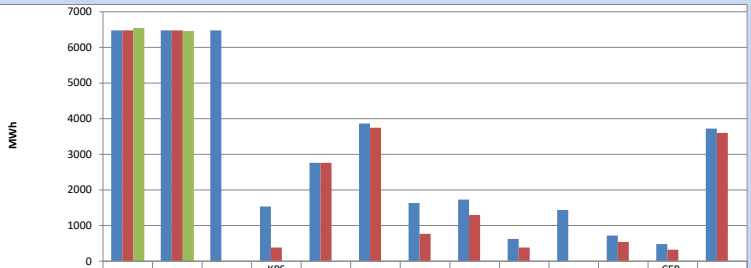
Category	Dispatch (GWh)	
CEB Hydro	417	37.45%
CEB Coal	322	28.91%
CEB Thermal Oil	112	10.10%
IPP Thermal	40	3.57%
IPP Wind	20	1.76%
CEB Wind	22	2.00%
Mini Hydro *	88	7.93%
IPP Solar *	84	7.55%
IPP Waste heat + BMP	8	0.74%
Total	**1,113**	

Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	417	37.45%
CEB Coal	322	28.91%
CEB Thermal Oil	112	10.10%
IPP Thermal	40	3.57%
IPP Wind	20	1.76%
CEB Wind	22	2.00%
Mini Hydro *	88	7.93%
IPP Solar *	84	7.55%
IPP Waste heat	8	0.74%
Total	**1,113**	

*Including estimated contribution from non telemetered plants

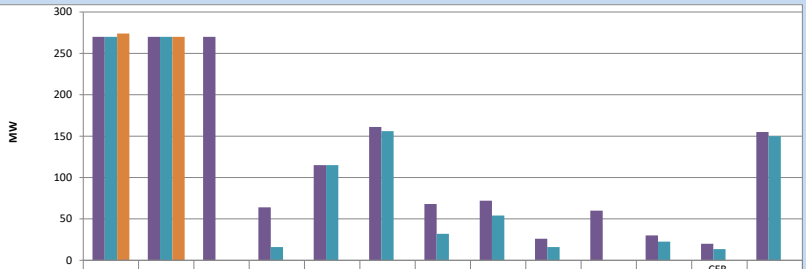
1.2 CEB owned Thermal Plant Dispatch January 25, 2025



	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS-2
Rated Daily Generation Capacity (MWh)	6480	6480	6480	1536	2760	3864	1632	1728	624	1440	720	480	3720
Available Generation (MWh)	6480	6480	0	384	2760	3744	768	1296	384	0	542	324	3600
Actual generation (MWh)	6549.00	6461	0	0	0	0	0	0	0	0	0	0	0

Available Generation is estimated based on plant availability at 6.00am on January 26, 2025

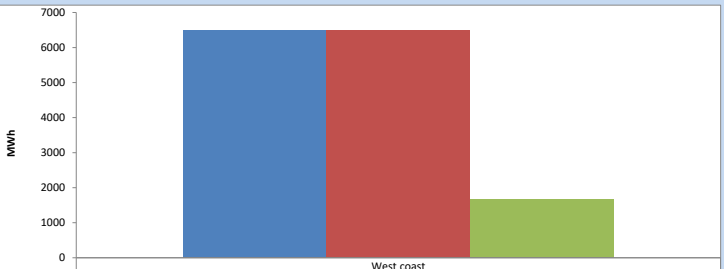
1.3 CEB owned Thermal Plant Loading at the Night Peak January 25, 2025



	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS -2
Installed Capacity (MW)	270	270	270	64	115	161	68	72	26	60	30	20	155
Available Capacity (MW)	270	270	0	16	115	156	32	54	16	0	23	14	150
Night Peak Load (MW)	274	270	0	0	0	0	0	0	0	0	0	0	0

Plant availability is recorded at 6.00 am on January 26, 2025

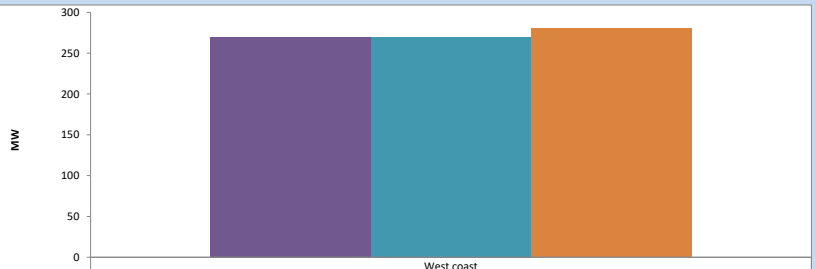
1.4 IPP owned Thermal Plant Dispatch January 25, 2025



	West coast
Rated Daily Generation Capacity (MWh)	6480
Available Generation (MWh)	6480
Actual generation (MWh)	1673

Available Generation is estimated based on plant availability at 6.00am on January 26, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

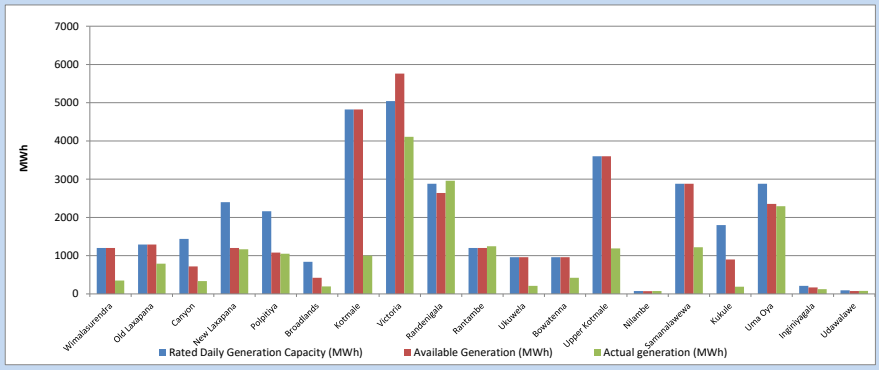


	West coast
Installed capacity (MW)	270
Available capacity (MW)	270
Night peak load (MW)	280

Plant availability is recorded at 6.00 am on January 26, 2025

1.6 Major Hydro Plant Dispatch

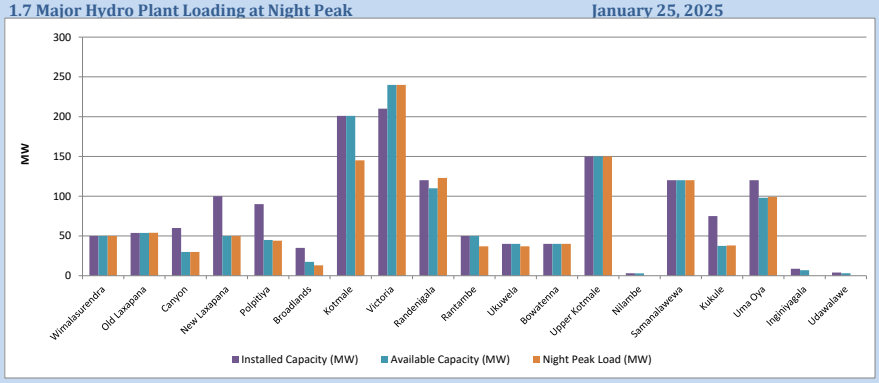
January 25, 2025



Available Generation is estimated based on plant availability at 6.00am on January 26, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 25, 2025



Plant availability is recorded at 6.00 am on January 26, 2025

1.8 Summary of Major Plant performance

January 25, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	349
Old Laxapana	54	54	54	789
Canyon	60	30	30	336
New Laxapana	100	50	50	1,166
Polpitiya	90	45	44	1,050
Broadlands	35	18	13	195
Kotmale	201	201	145	1,000
Victoria	210	240	240	4,109
Randenigala	120	110	123	2,960
Rantambe	50	50	37	1,245
Ukuwela	40	40	37	212
Bowatenna	40	40	40	421
Upper Kotmale	150	150	150	1,189
Nilambe	3	3	0	74
Samanalawewa	120	120	120	1,219
Kukule	75	38	38	188
Uma Oya	120	98	99	2,294
Inginiyagala	9	7	0	124
Udawalawe	4	3	0	78
Puttalam Coal I	270	270	274	6,549
Puttalam Coal II	270	270	270	6,461
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	16	0	0
Barge CEB	60	0	0	0
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	280	1,673
Sobadhanavi	220	0	0	0
Total	3,602	2,731	2,330	33,681

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on January 26, 2025

1.9 Contribution to the Night Peak in MW

January 25, 2025

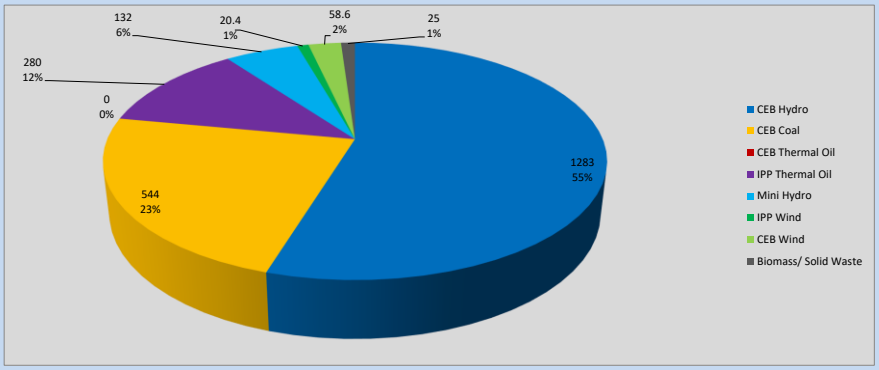


Table 05

CEB Hydro	1,283	MW
CEB Coal	544	MW
CEB Thermal Oil	0	MW
IPP Thermal Oil	280	MW
Mini Hydro (Telemetered)	132	MW
IPP Wind	20.4	MW
CEB Wind	58.6	MW
Biomass/ Solid Waste	25	MW

Recorded Peak Demand Data

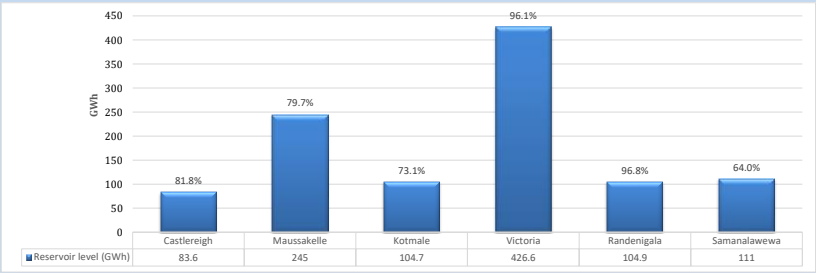
Table 06

Night Peak*	2,343	MW
Day Peak Maximum Demand	1,862	MW
Day Peak Minimum Demand	1,422	MW
Off Peak Minimum Demand	1,230	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 26, 2025



Total Reservoir Level 1,076 GWh
% of Total capacity 84.1%

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

January 25, 2025

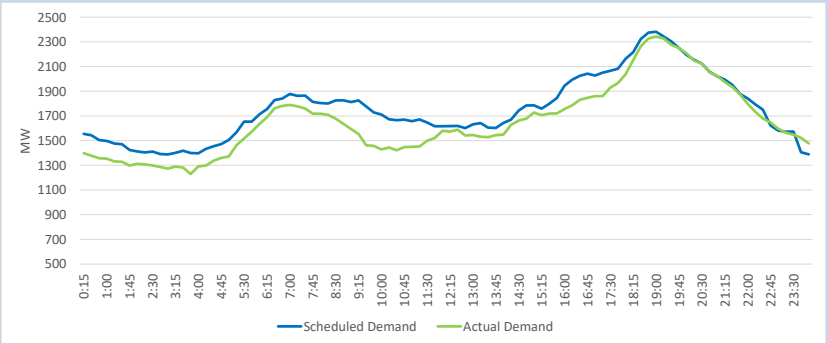
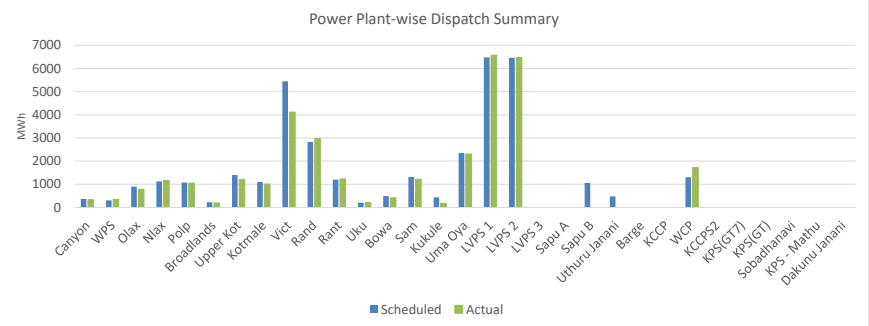


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	20,767	18,999	(1,768)
CEB Coal	12,938	13,010	73
CEB Thermal Oil	1,538	-	(1,538)
IPP Thermal Oil	1,306	1,673	367
NCRE (excluding non telemetered power plants)	5,594	6,264	670
Total	**42,143**	**39,946**	**(2,197)**

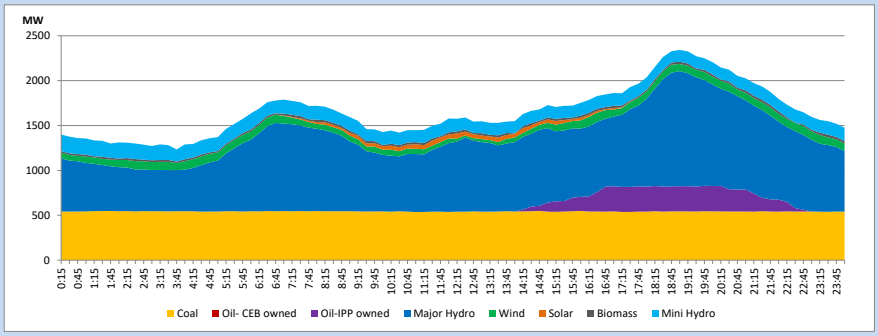
1.12 Power Plant-wise Dispatch Summary

January 25, 2025



1.13 Daily Load Curve

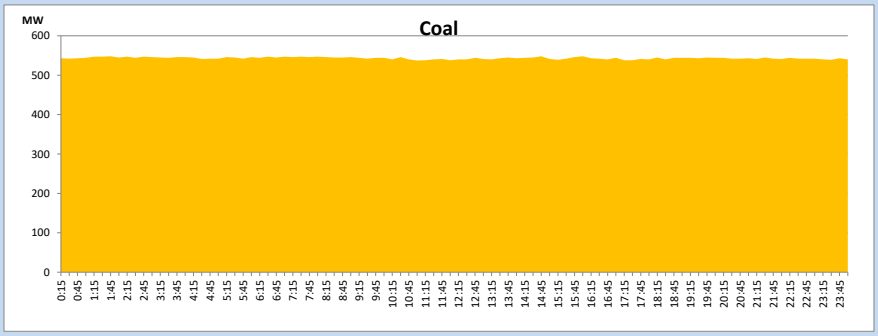
January 25, 2025



Solar and wind data is based on Telemetered Power Stations only

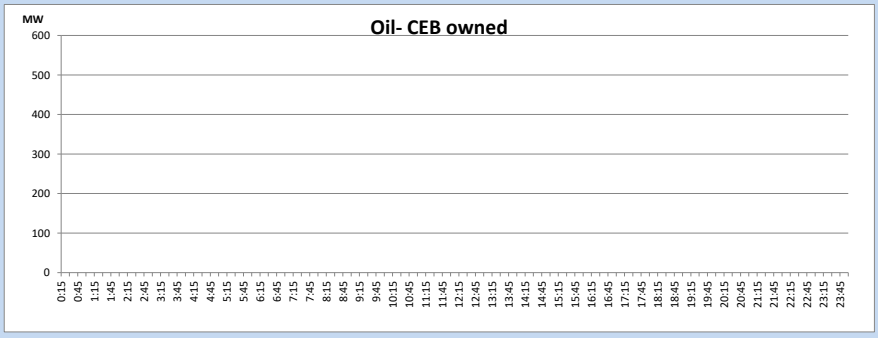
Coal Generation during

January 25, 2025

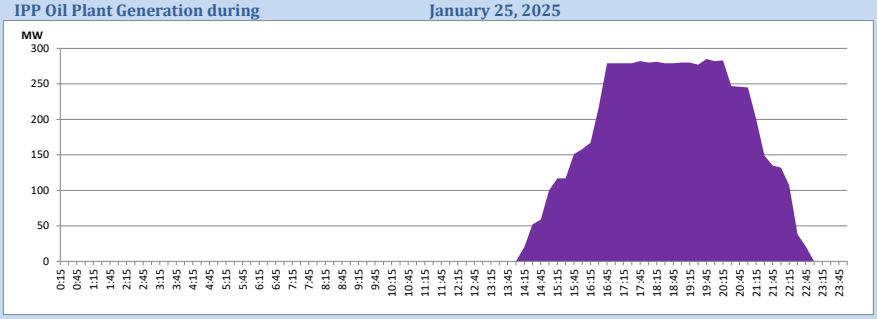


CEB Oil Plant Generation during

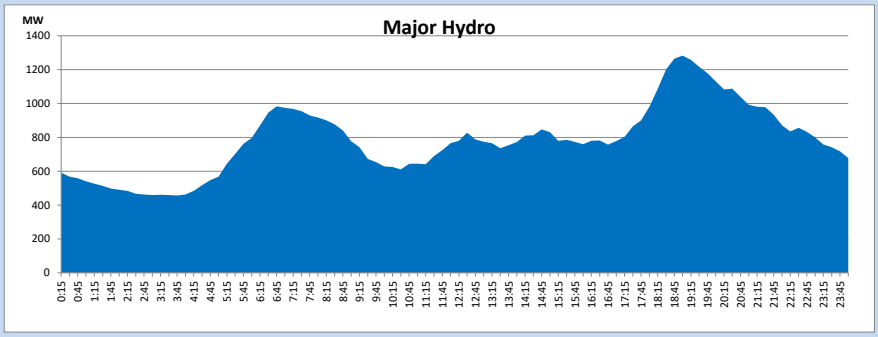
January 25, 2025



IPP Oil Plant Generation during January 25, 2025

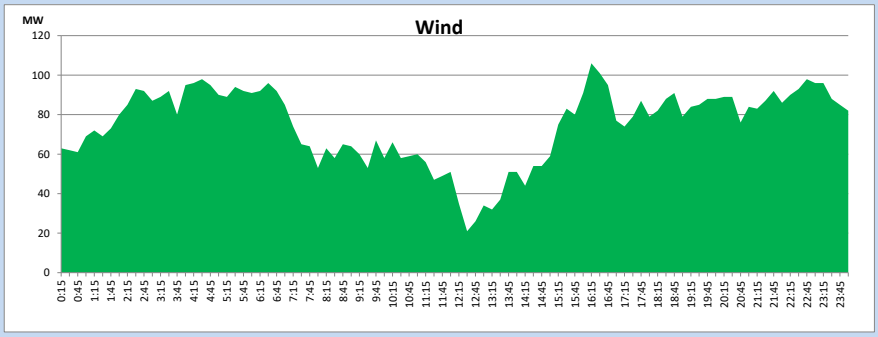


Major Hydro Generation during January 25, 2025



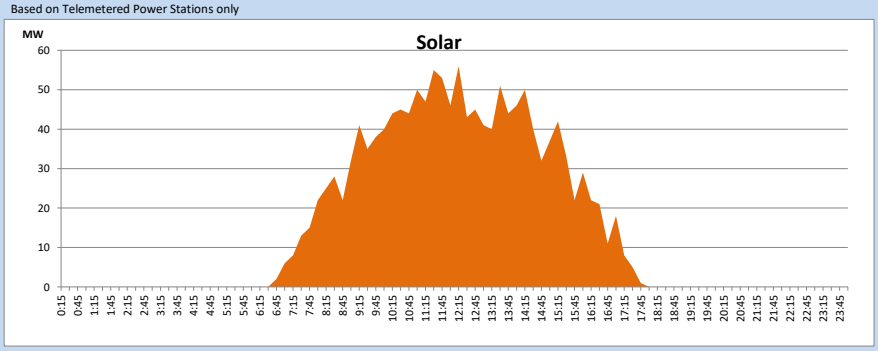
Wind Generation during January 25, 2025

Based on Telemetered Power Stations only



Solar Generation during January 25, 2025

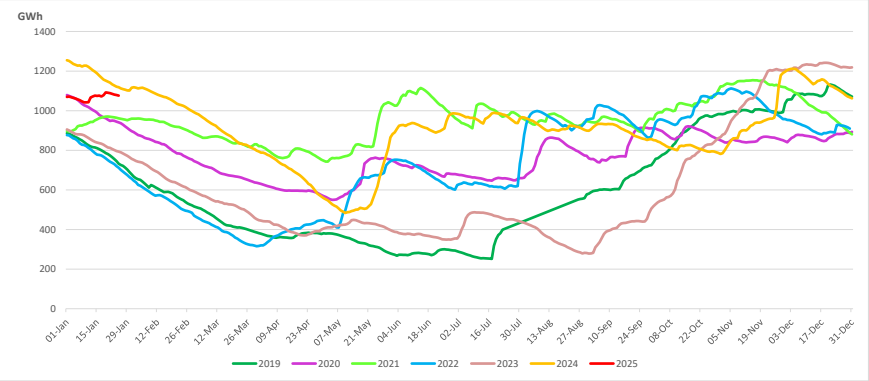
Based on Telemetered Power Stations only



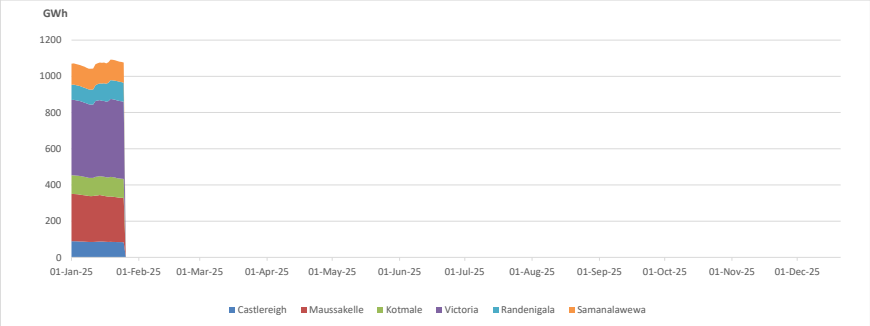
1.14 Major Incidents reported during the day January 25, 2025

1) Uma Oya Unit 02 made a forced shutdown at 08:57hrs for governor sump oil filling. The unit resumed generation at 09:59hrs.
2) Uma Oya Dyraaba and Puhulpola ponds spilled intermittently, and the spilling stopped at 11:31hrs and 14:30hrs respectively.
3) Rantambe pond spilled intermittetly and the spilling stopped at 04:18hrs (26.01.2025).

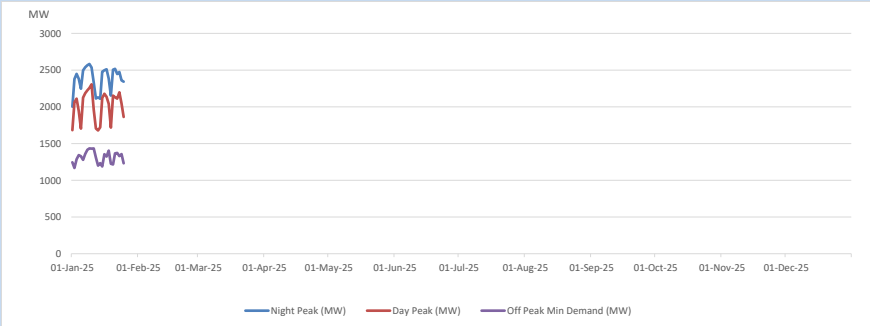
2. Comparison of Total Reservoir Storage Levels with Past Years



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

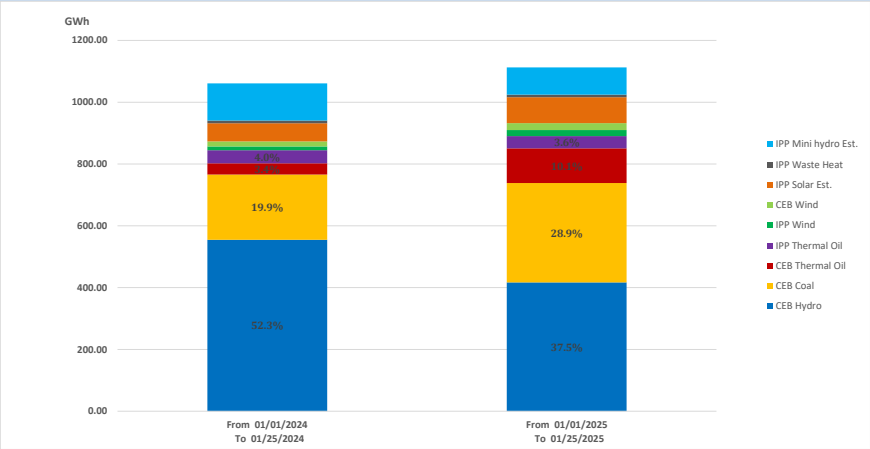


4. Variation of Demand during the current year



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 01/25/2024	**1,061**	**GWh**
From 01/01/2025 To 01/25/2025	**1,113**	**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 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	253

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