Generation and Reservoirs Statistics

January 28, 2025

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 28, 2025

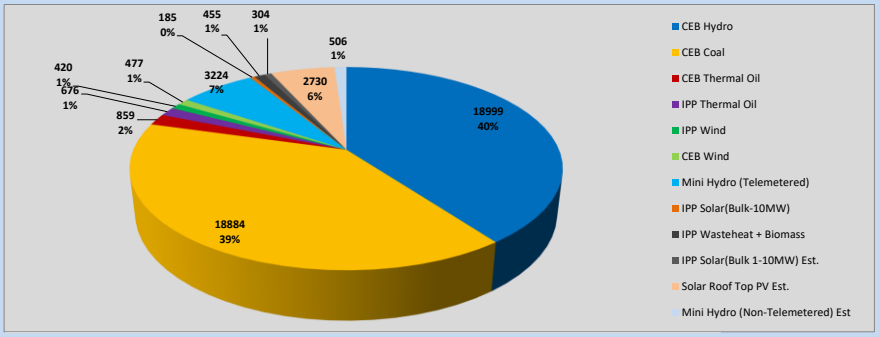


Table 01

	Generation (MWh)
CEB Hydro	18,999
CEB Coal	18,884
CEB Thermal Oil	859
IPP Thermal Oil	676
IPP Wind	420
CEB Wind	477
Mini Hydro (Telemetered)	3,224
IPP Solar (Bulk)	185
IPP Waste heat + Biomass	455
Total Generation (Excluding estimated figures)	44,179
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	506
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,730
Total Generation (Including estimated figures)	**47,719**

*** Estimated figures of CEB generation report**

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

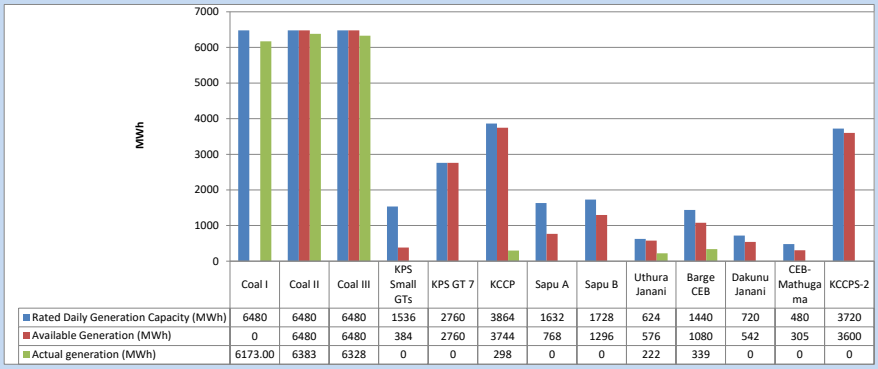
Category	Dispatch (GWh)	
CEB Hydro	472	37.91%
CEB Coal	369	29.64%
CEB Thermal Oil	113	9.10%
IPP Thermal	42	3.36%
IPP Wind	22	1.75%
CEB Wind	25	1.97%
Mini Hydro *	99	7.97%
IPP Solar *	94	7.52%
IPP Waste heat + BMP	10	0.77%
Total	**1,246**	

Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	472	37.91%
CEB Coal	369	29.64%
CEB Thermal Oil	113	9.10%
IPP Thermal	42	3.36%
IPP Wind	22	1.75%
CEB Wind	25	1.97%
Mini Hydro *	99	7.97%
IPP Solar *	94	7.52%
IPP Waste heat	10	0.77%
Total	**1,246**	

*Including estimated contribution from non telemetered plants

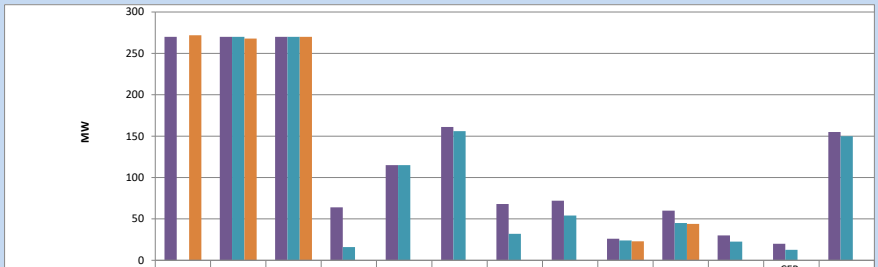
1.2 CEB owned Thermal Plant Dispatch January 28, 2025



	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)	0	6480	6480	384	2760	3744	768	1296	576	1080	542	305	3600
Actual generation (MWh)	6173.00	6383	6328	0	0	298	0	0	222	339	0	0	0

Available Generation is estimated based on plant availability at 6.00am on January 29, 2025

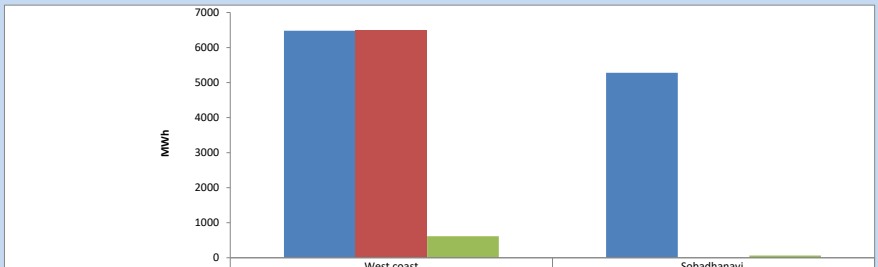
1.3 CEB owned Thermal Plant Loading at the Night Peak January 28, 2025



	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)	0	270	270	16	115	156	32	54	24	45	23	13	150
Night Peak Load (MW)	272	268	270	0	0	0	0	0	23	44	0	0	0

Plant availability is recorded at 6.00 am on January 29, 2025

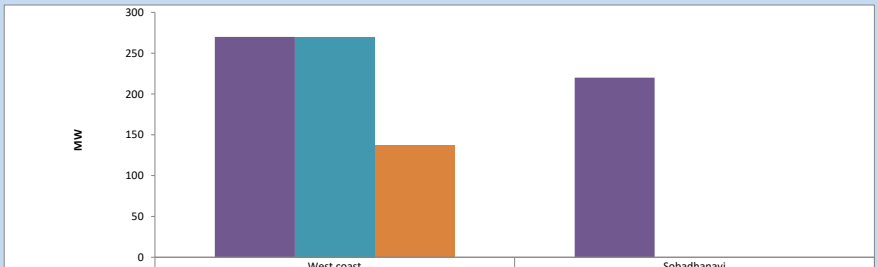
1.4 IPP owned Thermal Plant Dispatch January 28, 2025



	West coast	Sobadhanavi
Rated Daily Generation Capacity (MWh)	6480	5280
Available Generation (MWh)	6480	0
Actual generation (MWh)	613	63

Available Generation is estimated based on plant availability at 6.00am on January 29, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

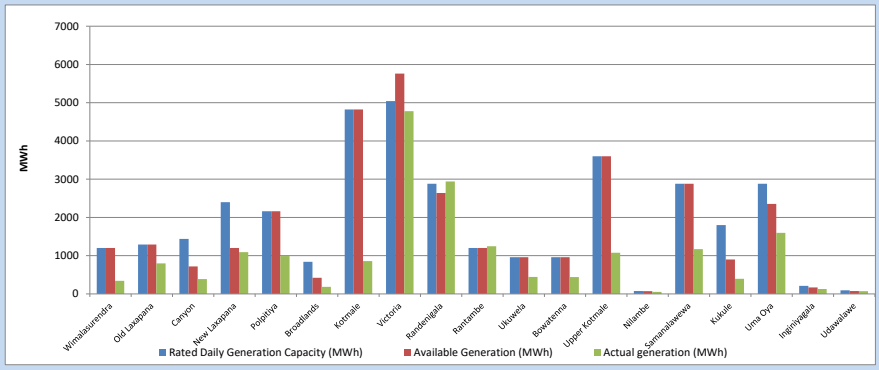


	West coast	Sobadhanavi
Installed Capacity (MW)	270	220
Available Capacity (MW)	270	0
Night Peak Load (MW)	137	0

Plant availability is recorded at 6.00 am on January 29, 2025

1.6 Major Hydro Plant Dispatch

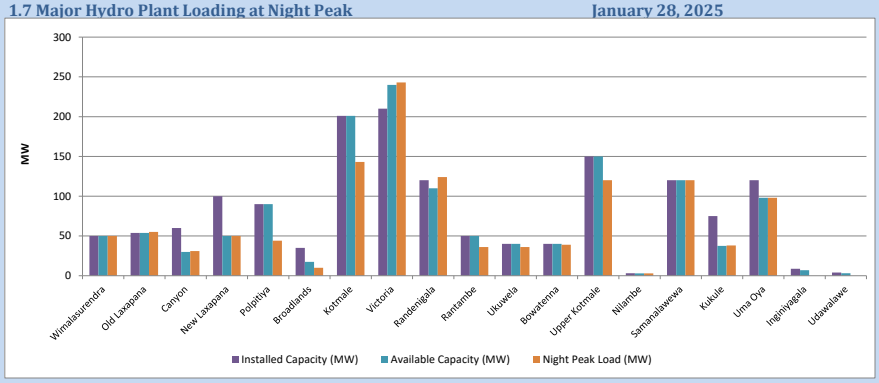
January 28, 2025



Available Generation is estimated based on plant availability at 6.00am on January 29, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 28, 2025



Plant availability is recorded at 6.00 am on January 29, 2025

1.8 Summary of Major Plant performance

January 28, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	342
Old Laxapana	54	54	55	798
Canyon	60	30	31	389
New Laxapana	100	50	50	1,093
Polpitiya	90	90	44	990
Broadlands	35	18	10	183
Kotmale	201	201	143	860
Victoria	210	240	243	4,778
Randenigala	120	110	124	2,941
Rantambe	50	50	36	1,245
Ukuwela	40	40	36	446
Bowatenna	40	40	39	441
Upper Kotmale	150	150	120	1,078
Nilambe	3	3	3	51
Samanalawewa	120	120	120	1,173
Kukule	75	38	38	394
Uma Oya	120	98	98	1,596
Inginiyagala	9	7	0	129
Udawalawe	4	3	0	73
Puttalam Coal I	270	0	272	6,173
Puttalam Coal II	270	270	268	6,383
Puttalam Coal III	270	270	270	6,328
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	0	298
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	0	0
Uthura Janani	26	24	23	222
Barge CEB	60	45	44	339
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	13	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	137	613
Sobadhanavi	220	0	0	63
Total	3,602	2,828	2,442	39,419

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on January 29, 2025

1.9 Contribution to the Night Peak in MW

January 28, 2025

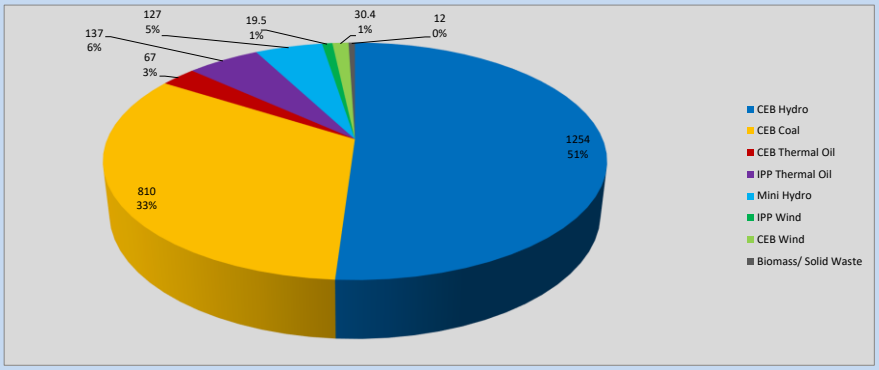


Table 05

CEB Hydro	1,254	MW
CEB Coal	810	MW
CEB Thermal Oil	67	MW
IPP Thermal Oil	137	MW
Mini Hydro (Telemetered)	127	MW
IPP Wind	19.5	MW
CEB Wind	30.4	MW
Biomass/ Solid Waste	12	MW

Recorded Peak Demand Data

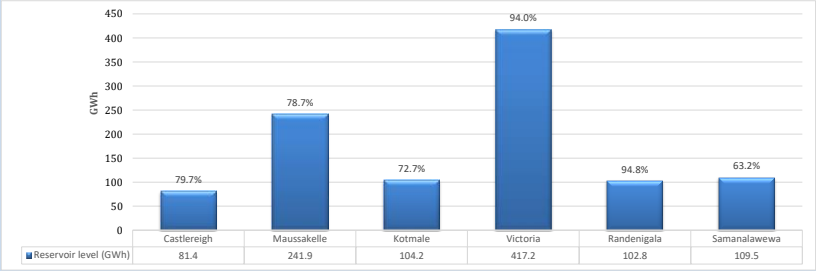
Table 06

Night Peak*	2,456	MW
Day Peak Maximum Demand	2,127	MW
Day Peak Minimum Demand	1,748	MW
Off Peak Minimum Demand	1,342	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 29, 2025



Total Reservoir Level 1,057 GWh
% of Total capacity 82.7%

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

January 28, 2025

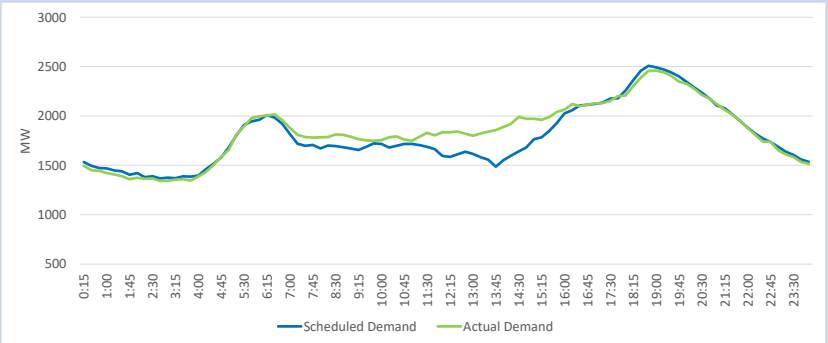
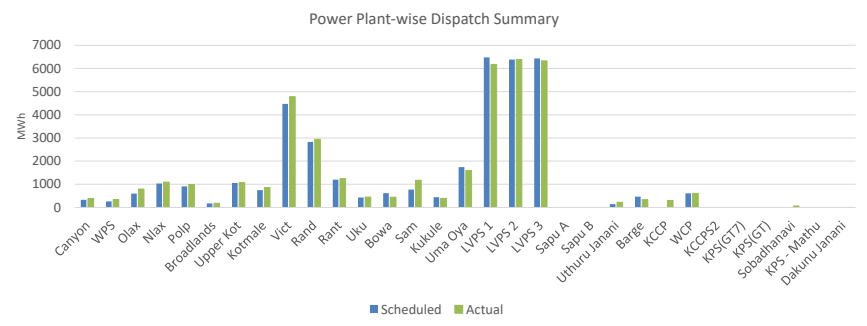


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	17,629	18,999	1,370
CEB Coal	19,298	18,884	(414)
CEB Thermal Oil	614	859	245
IPP Thermal Oil	609	676	67
NCRE (excluding non telemetered power plants)	4,776	4,761	(15)
Total	**42,926**	**44,179**	**1,253**

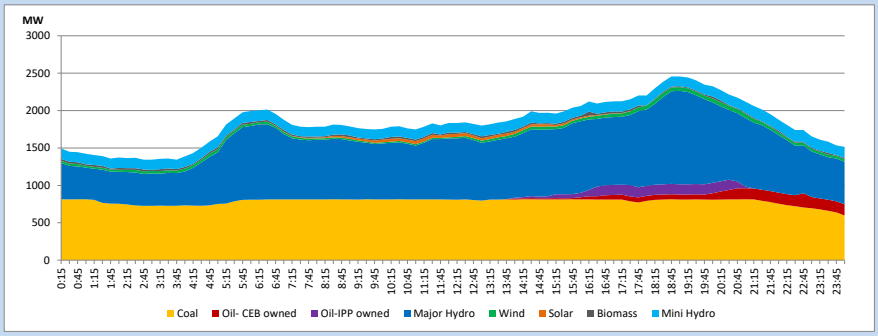
1.12 Power Plant-wise Dispatch Summary

January 28, 2025



1.13 Daily Load Curve

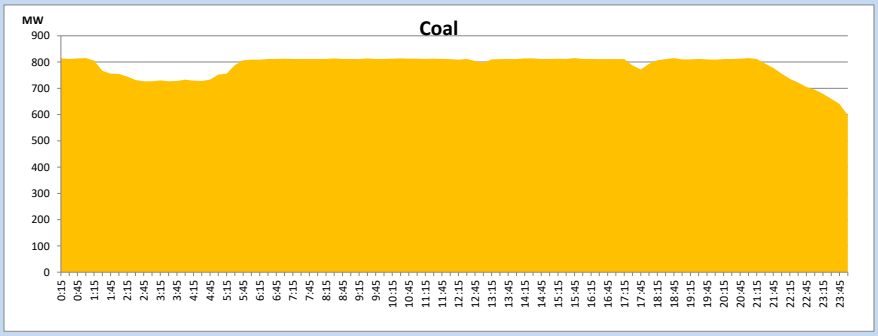
January 28, 2025



Solar and wind data is based on Telemetered Power Stations only

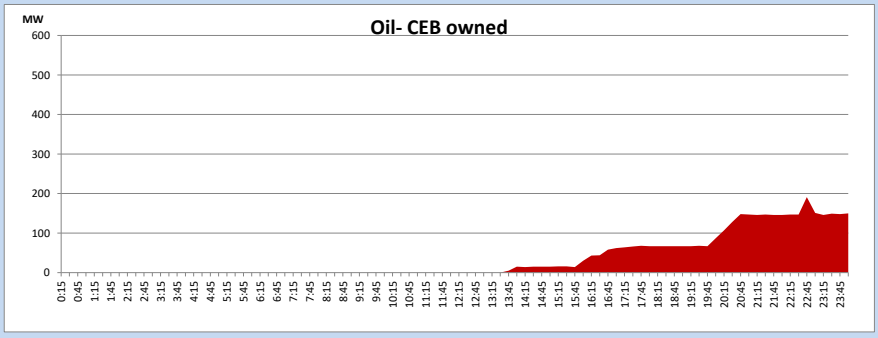
Coal Generation during

January 28, 2025

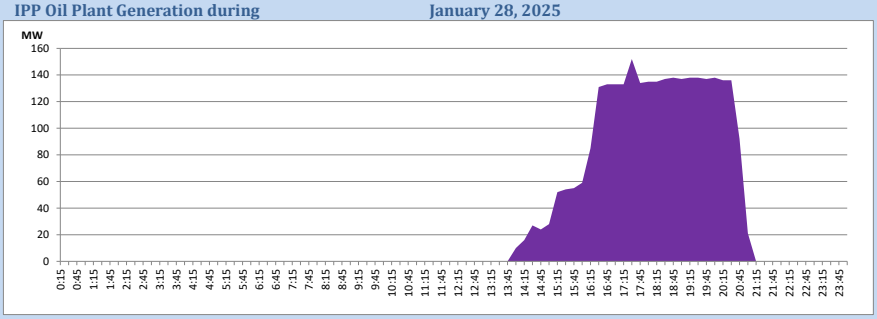


CEB Oil Plant Generation during

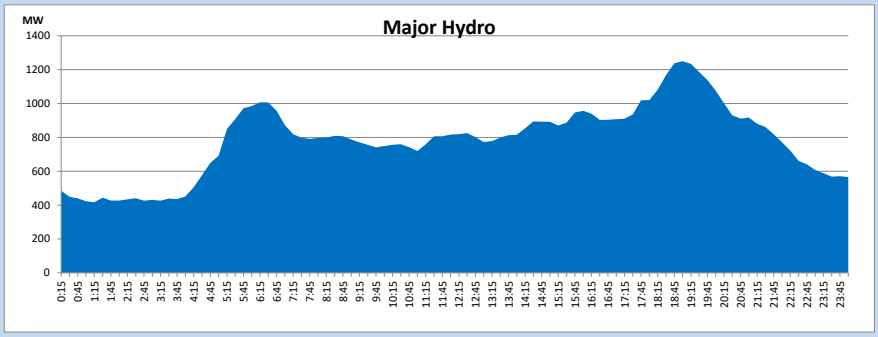
January 28, 2025



IPP Oil Plant Generation during January 28, 2025

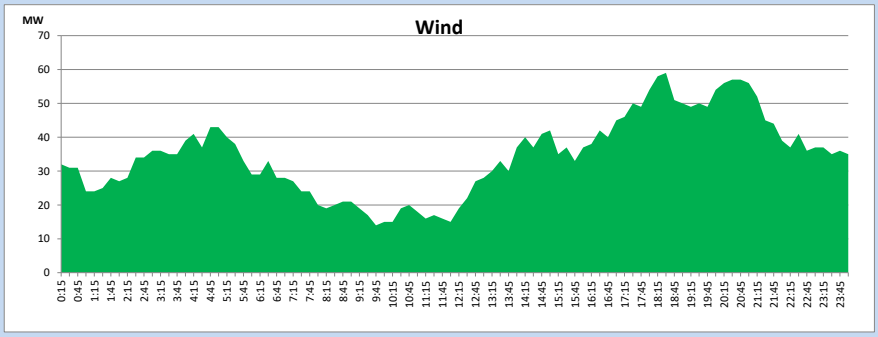


Major Hydro Generation during January 28, 2025



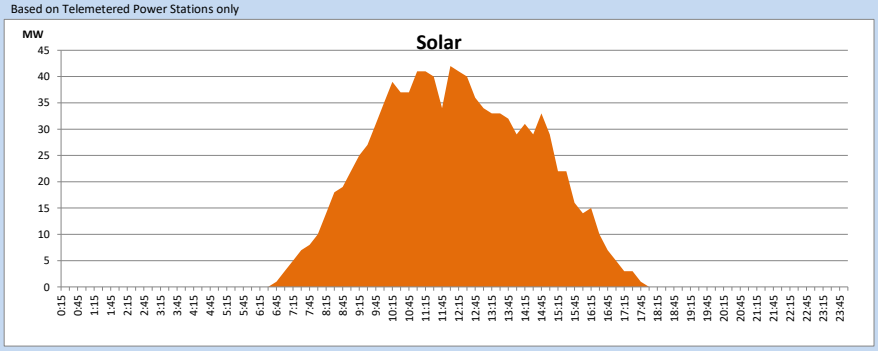
Wind Generation during January 28, 2025

Based on Telemetered Power Stations only



Solar Generation during January 28, 2025

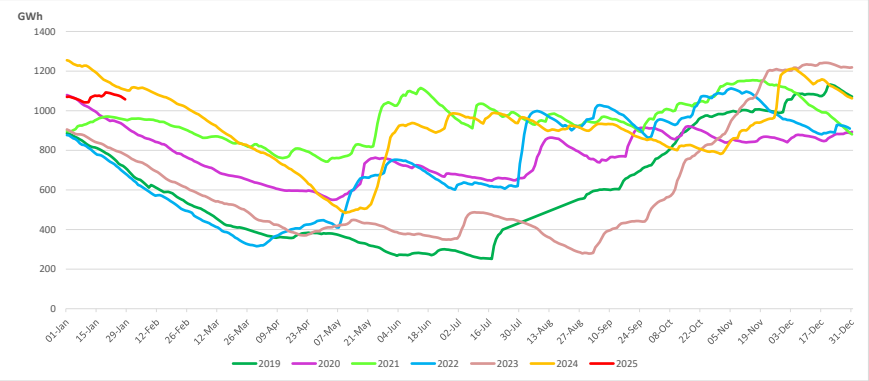
Based on Telemetered Power Stations only



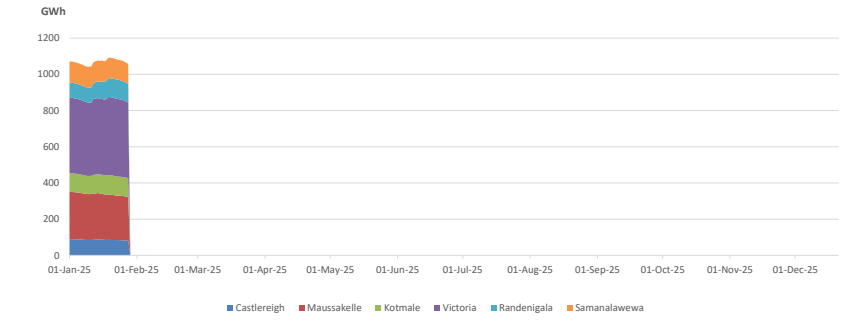
1.14 Major Incidents reported during the day January 28, 2025

1) Valachchenai 132/33kV T/F 01 tripped from both ends at 15:23hrs due to the operation of REF protection. The T/F was normalized at 16:28hrs.
2) LVPS Unit 03 de-loaded to 230MW (net) at 17:19hrs due to an inlet valve blockage in a mill. LVPS Unit 03 reached full load at 18:21hrs.
3) LVPS unit 01 made forced shutdown at 00:12hrs (29.01.25) due to steam leak in the outlet valve of feed water pump B. The unit is yet to resume generation.
4) Polpitiya unit 02 resumed generation after annual maintenance at 3:30hrs (29.01.25).
5) Rantambe pond spilling started at 11:51hrs and stopped at 13:33hrs. The pond spilling started again at 05:36hrs (29.01.25) and continues to the present hour.

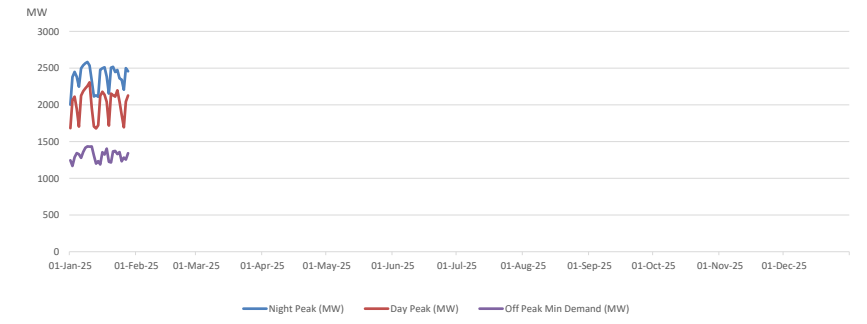
2. Comparison of Total Reservoir Storage Levels with Past Years



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

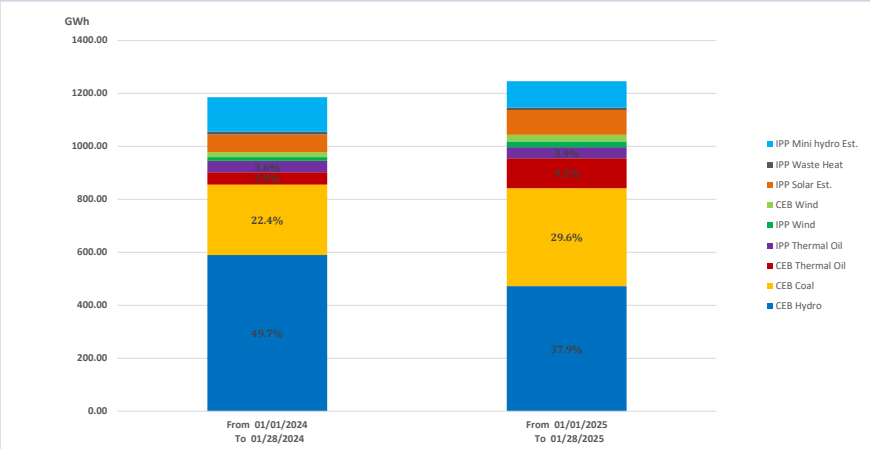


4. Variation of Demand during the current year



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 01/28/2024	**1,185**	**GWh**
From 01/01/2025 To 01/28/2025	**1,246**	**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