

Generation and Reservoirs Statistics

January 27, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 27, 2025

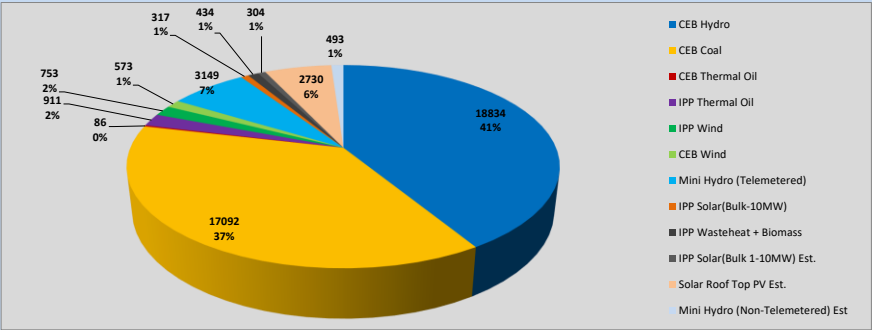


Table 01

	Generation (MWh)
CEB Hydro	18,834
CEB Coal	17,092
CEB Thermal Oil	86
IPP Thermal Oil	911
IPP Wind	753
CEB Wind	573
Mini Hydro (Telemetered)	3,149
IPP Solar (Bulk)	317
IPP Waste heat + Biomass	434
Total Generation (Excluding estimated figures)	42,149
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	493
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,730
Total Generation (Including estimated figures)	45,676

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	453	37.83%
CEB Coal	350	29.25%
CEB Thermal Oil	113	9.39%
IPP Thermal	41	3.44%
IPP Wind	21	1.79%
CEB Wind	24	2.01%
Mini Hydro *	96	7.97%
IPP Solar *	91	7.56%
IPP Waste heat + BMP	9	0.76%
Total	1,198	

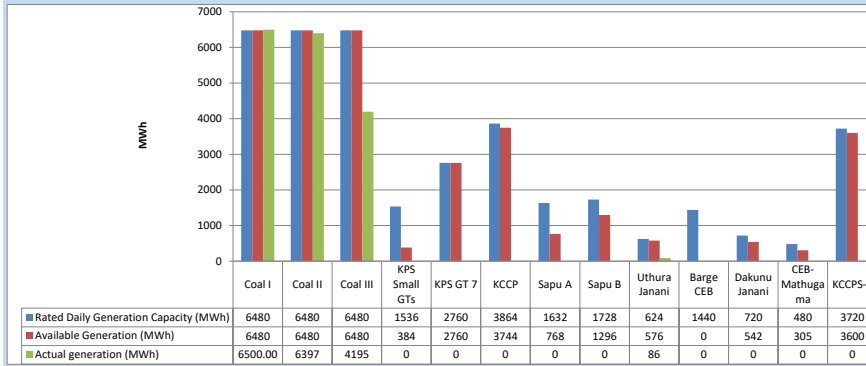
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	453	37.83%
CEB Coal	350	29.25%
CEB Thermal Oil	113	9.39%
IPP Thermal	41	3.44%
IPP Wind	21	1.79%
CEB Wind	24	2.01%
Mini Hydro *	96	7.97%
IPP Solar *	91	7.56%
IPP Waste heat	9	0.76%
Total	1,198	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 27, 2025

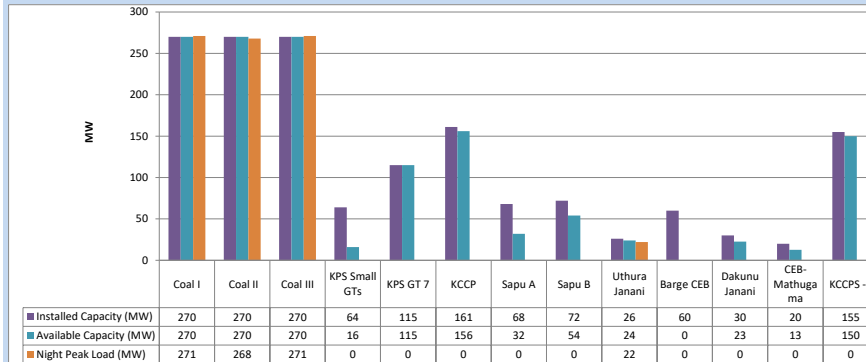


Available Generation is estimated based on plant availability at 6.00am on

January 28, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 27, 2025

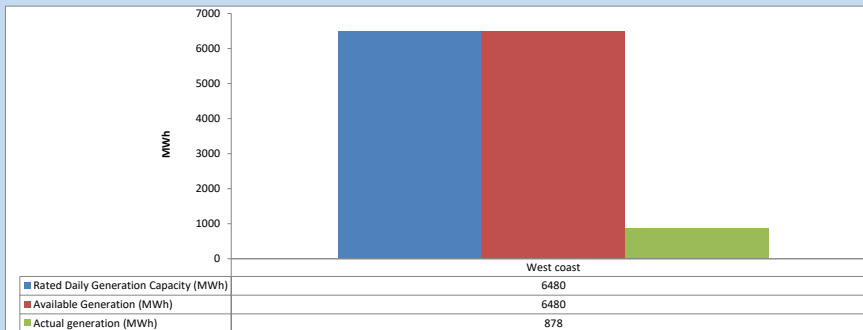


Plant availability is recorded at 6.00 am on

January 28, 2025

1.4 IPP owned Thermal Plant Dispatch

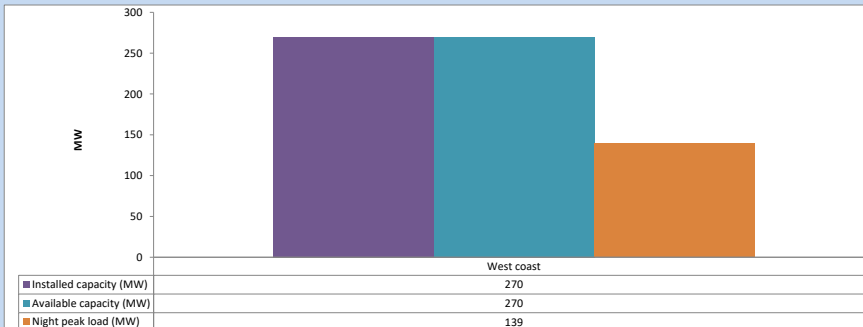
January 27, 2025



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

January 28, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

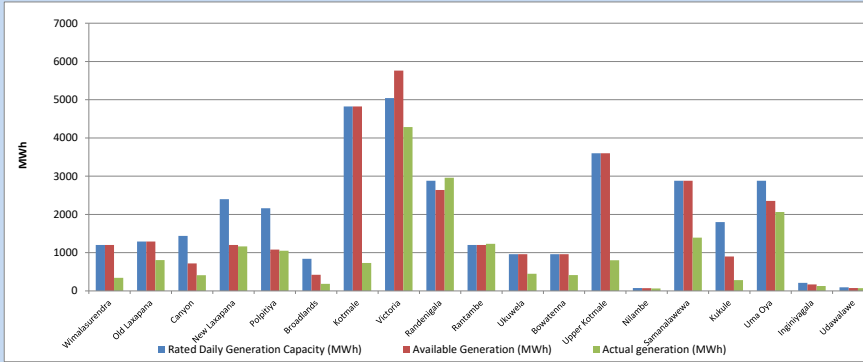


Plant availability is recorded at 6.00 am on

January 28, 2025

1.6 Major Hydro Plant Dispatch

January 27, 2025

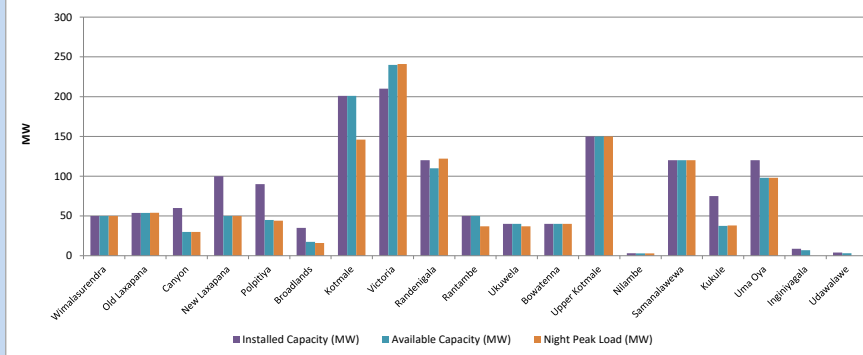


Available Generation is estimated based on plant availability at 6.00am on

January 28, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 27, 2025



Plant availability is recorded at 6.00 am on

January 28, 2025

1.8 Summary of Major Plant performance

January 27, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	341
Old Laxapana	54	54	54	807
Canyon	60	30	30	409
New Laxapana	100	50	50	1,165
Polpitiya	90	45	44	1,050
Broadlands	35	18	16	185
Kotmale	201	201	146	730
Victoria	210	240	241	4,286
Randenigala	120	110	122	2,959
Rantambe	50	50	37	1,231
Ukuwela	40	40	37	447
Bowatenna	40	40	40	414
Upper Kotmale	150	150	150	804
Nilambe	3	3	3	64
Samanalawewa	120	120	120	1,395
Kukule	75	38	38	284
Uma Oya	120	98	98	2,062
Inginigagala	9	7	0	128
Udawalawe	4	3	0	72
Puttalam Coal I	270	270	271	6,500
Puttalam Coal II	270	270	268	6,397
Puttalam Coal III	270	270	271	4,195
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	22	86
Barge CEB	60	0	0	0
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	13	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	139	878
Sobadhanavi	220	0	12	33
Total	3,602	3,008	2,474	36,922

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 28, 2025

1.9 Contribution to the Night Peak in MW

January 27, 2025

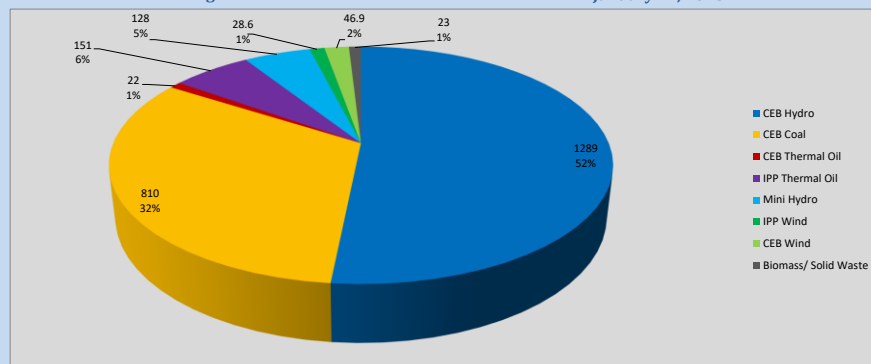


Table 05

CEB Hydro	1,289	MW
CEB Coal	810	MW
CEB Thermal Oil	22	MW
IPP Thermal Oil	151	MW
Mini Hydro (Telemetered)	128	MW
IPP Wind	28.6	MW
CEB Wind	46.9	MW
Biomass/ Solid Waste	23	MW

Recorded Peak Demand Data

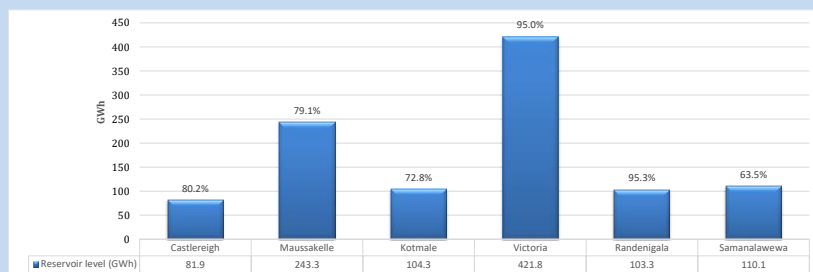
Table 06

Night Peak*	2,499	MW
Day Peak Maximum Demand	2,043	MW
Day Peak Minimum Demand	1,488	MW
Off Peak Minimum Demand	1,254	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 28, 2025



Total Reservoir Level
% of Total capacity

1,065 GWh
83.3%

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

January 27, 2025

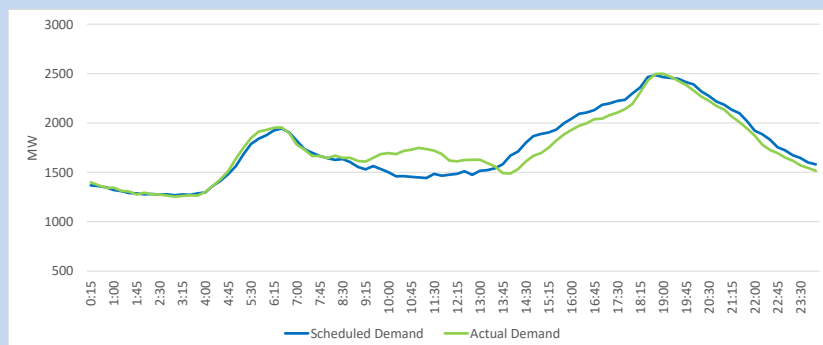
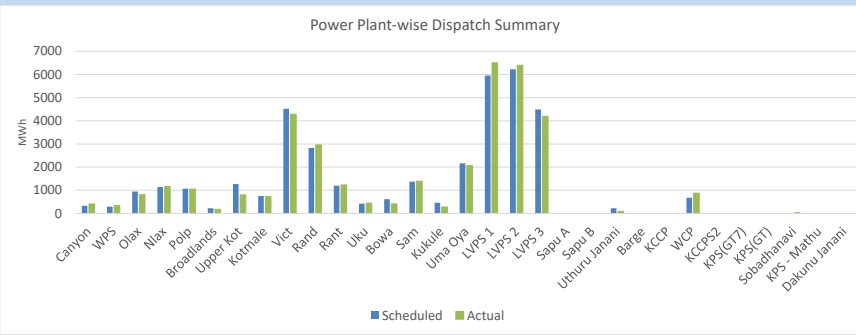


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	19,621	18,834	(787)
CEB Coal	16,672	17,092	420
CEB Thermal Oil	224	86	(138)
IPP Thermal Oil	676	911	235
NCRE (excluding non telemetered power plants)	4,711	5,226	515
Total	41,904	42,149	245

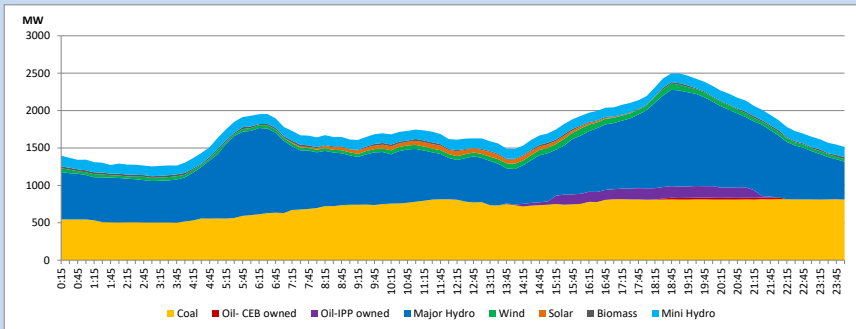
1.12 Power Plant-wise Dispatch Summary

January 27, 2025



1.13 Daily Load Curve

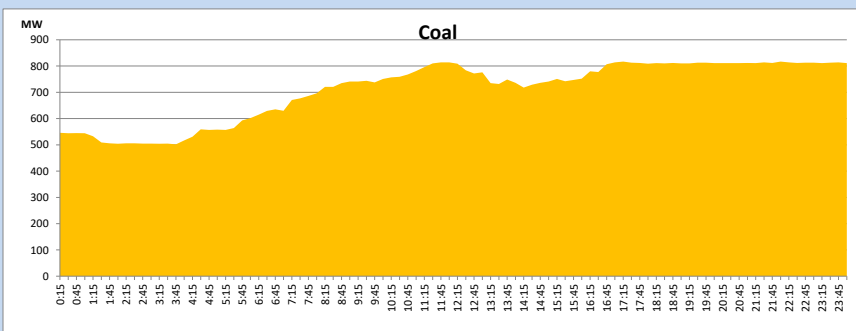
January 27, 2025



Solar and wind data is based on Telemetered Power Stations only

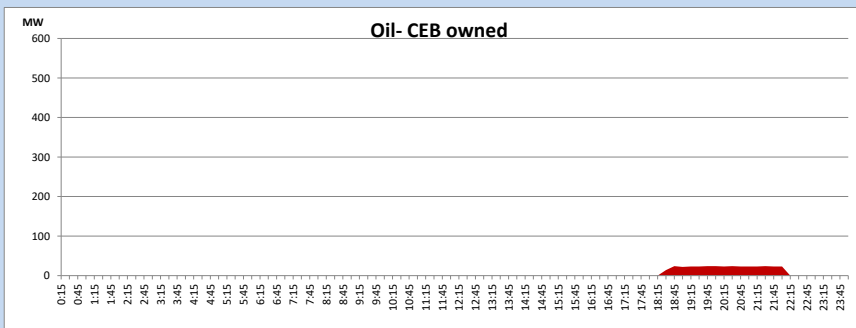
Coal Generation during

January 27, 2025



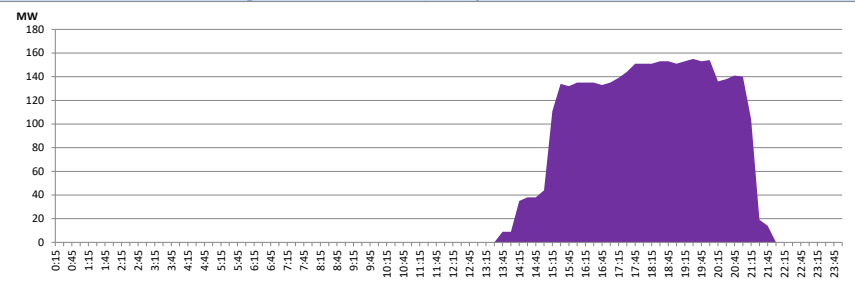
CEB Oil Plant Generation during

January 27, 2025



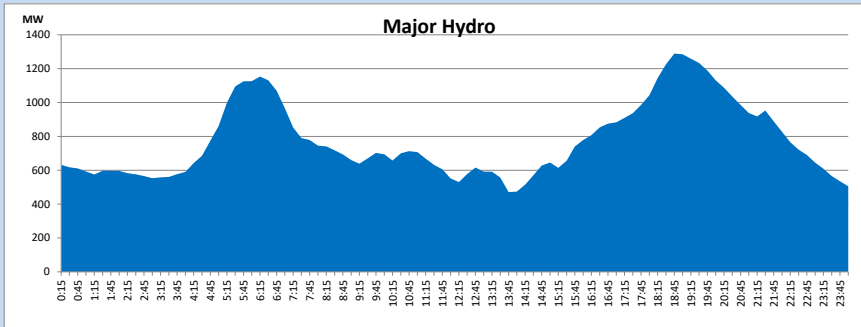
IPP Oil Plant Generation during

January 27, 2025



Major Hydro Generation during

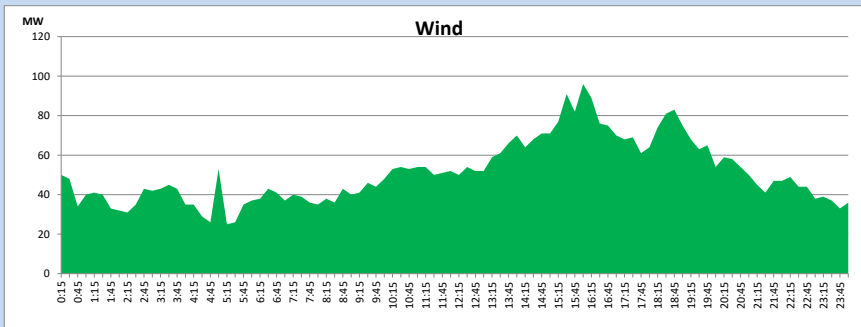
January 27, 2025



Wind Generation during

January 27, 2025

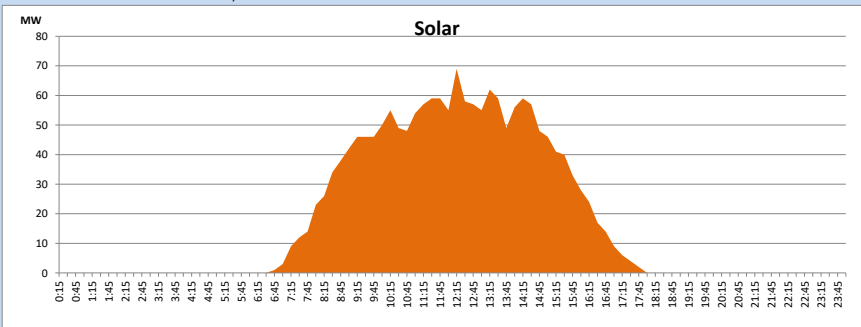
Based on Telemetered Power Stations only



Solar Generation during

January 27, 2025

Based on Telemetered Power Stations only

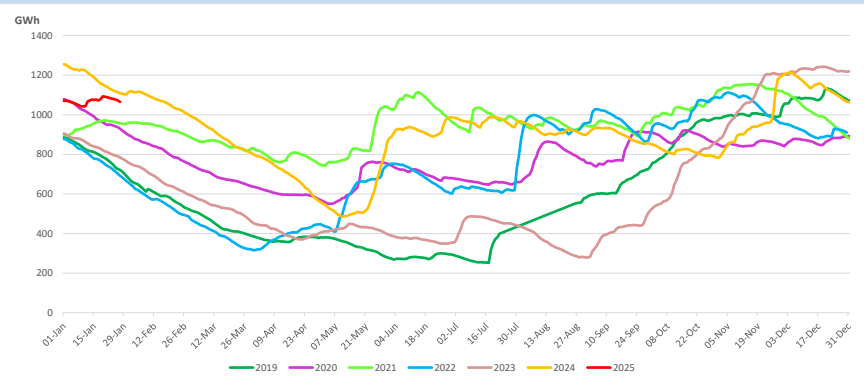


1.14 Major Incidents reported during the day

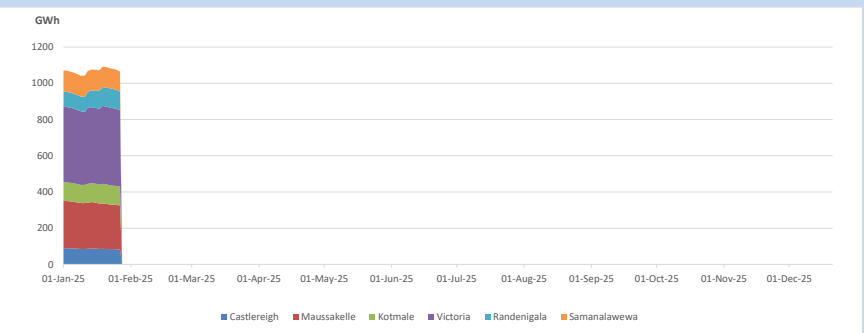
January 27, 2025

- 1) Rantambe pond spilled intermittently and the spillage stopped at 20:05hrs.
- 2) LVPS Unit 03 synchronized at 04:20hrs after a planned maintenance and the Unit reached full load at 11:36hrs. The unit de-loaded to 195MW (net) at 12:46hrs due to a mill failure, and reached full load again at 16:50hrs.

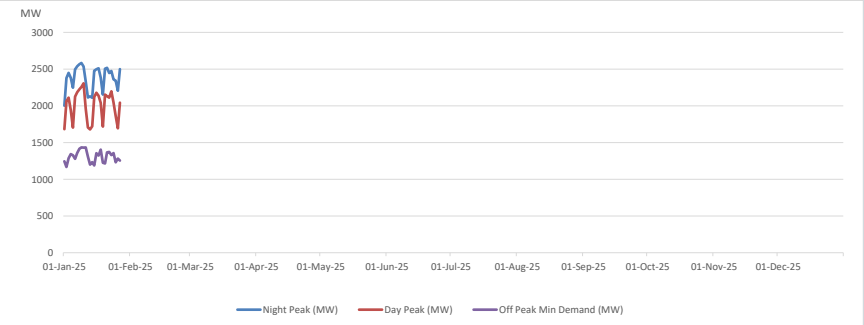
2. Comparison of Total Reservoir Storage Levels with Past Years



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

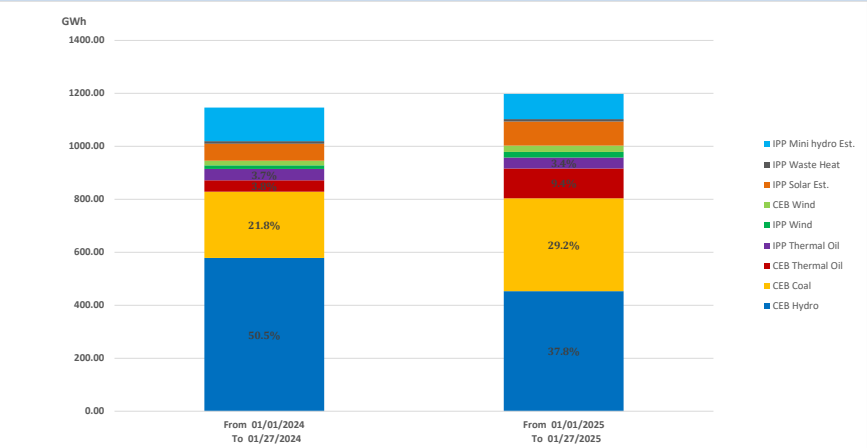


4. Variation of Demand during the current year



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 01/27/2024 1,146 GWh
From 01/01/2025 To 01/27/2025 1,198 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