

Generation and Reservoirs Statistics

January 23, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 23, 2025

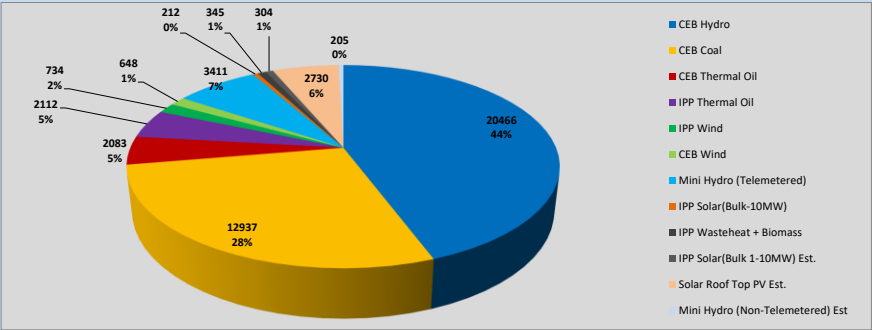


Table 01

	Generation (MWh)
CEB Hydro	20,466
CEB Coal	12,937
CEB Thermal Oil	2,083
IPP Thermal Oil	2,112
IPP Wind	734
CEB Wind	648
Mini Hydro (Telemetered)	3,411
IPP Solar (Bulk)	212
IPP Waste heat + Biomass	345
Total Generation (Excluding estimated figures)	42,948
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	205
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,730
Total Generation (Including estimated figures)	46,187

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	377	36.89%
CEB Coal	296	28.94%
CEB Thermal Oil	110	10.77%
IPP Thermal	36	3.49%
IPP Wind	18	1.79%
CEB Wind	21	2.01%
Mini Hydro *	80	7.82%
IPP Solar *	77	7.58%
IPP Waste heat + BMP	7	0.71%
Total	1,022	

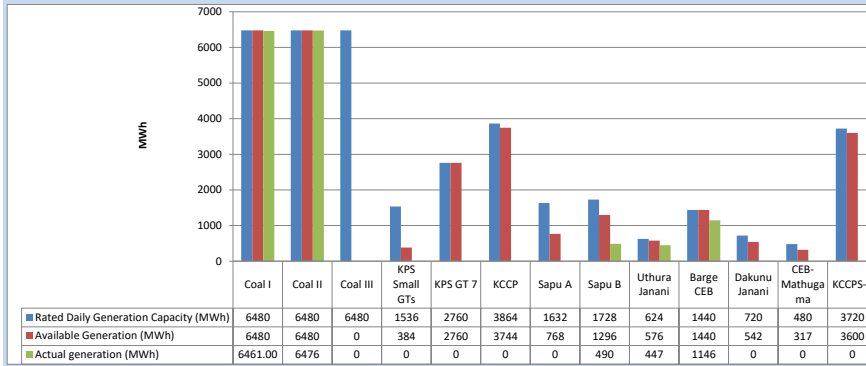
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	377	36.89%
CEB Coal	296	28.94%
CEB Thermal Oil	110	10.77%
IPP Thermal	36	3.49%
IPP Wind	18	1.79%
CEB Wind	21	2.01%
Mini Hydro *	80	7.82%
IPP Solar *	77	7.58%
IPP Waste heat	7	0.71%
Total	1,022	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 23, 2025

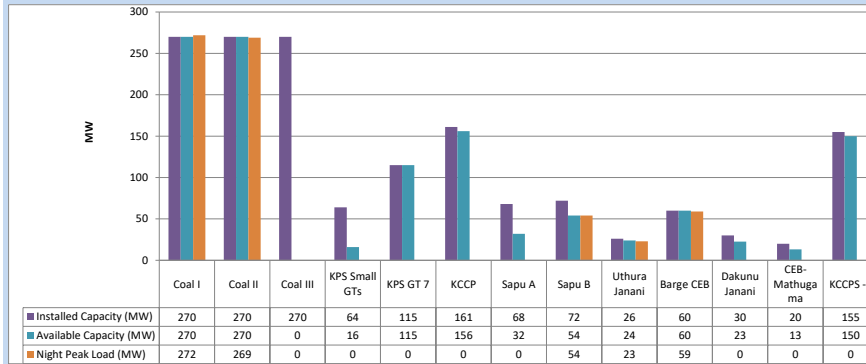


Available Generation is estimated based on plant availability at 6.00am on

January 24, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 23, 2025

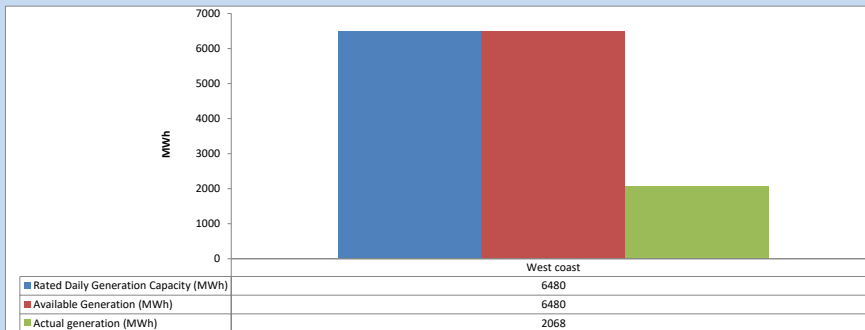


Plant availability is recorded at 6.00 am on

January 24, 2025

1.4 IPP owned Thermal Plant Dispatch

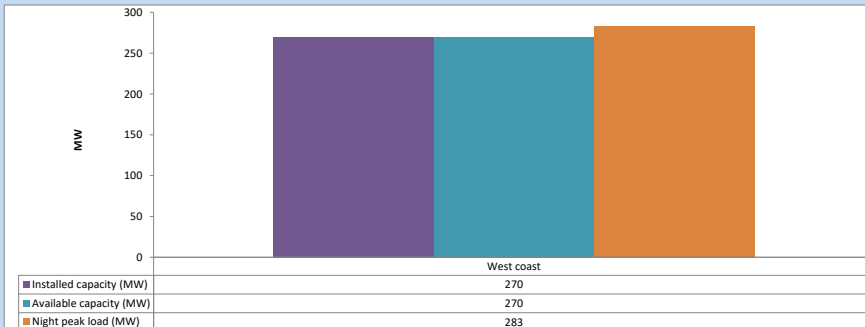
January 23, 2025



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

January 24, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

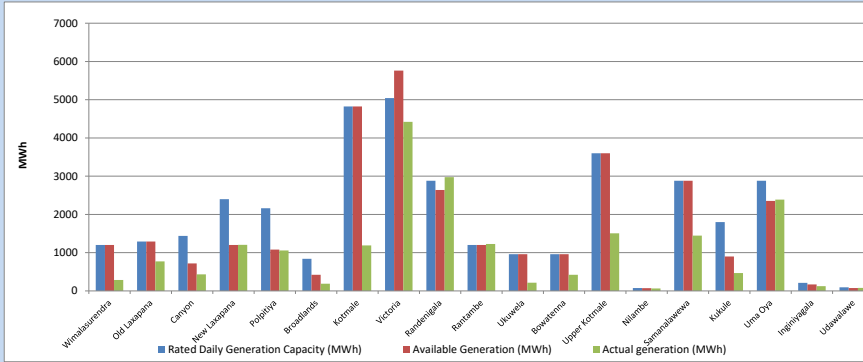


Plant availability is recorded at 6.00 am on

January 24, 2025

1.6 Major Hydro Plant Dispatch

January 23, 2025

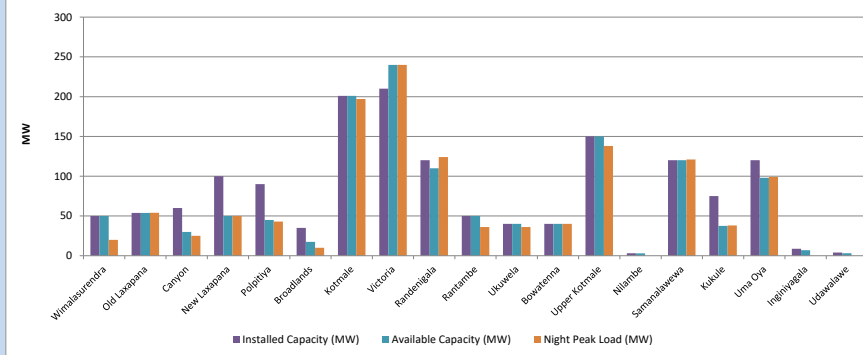


Available Generation is estimated based on plant availability at 6.00am on

January 24, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 23, 2025



Plant availability is recorded at 6.00 am on

January 24, 2025

1.8 Summary of Major Plant performance

January 23, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	20	288
Old Laxapana	54	54	54	773
Canyon	60	30	25	434
New Laxapana	100	50	50	1,206
Polpitiya	90	45	43	1,060
Broadlands	35	18	10	188
Kotmale	201	201	197	1,190
Victoria	210	240	240	4,419
Randenigala	120	110	124	2,975
Rantambe	50	50	36	1,229
Ukuwela	40	40	36	214
Bowatenna	40	40	40	423
Upper Kotmale	150	150	138	1,505
Nilambe	3	3	0	63
Samanalawewa	120	120	121	1,446
Kukule	75	38	38	466
Uma Oya	120	98	99	2,386
Inginigala	9	7	0	124
Udawalawe	4	3	0	78
Puttalam Coal I	270	270	272	6,461
Puttalam Coal II	270	270	269	6,476
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	54	490
Uthura Janani	26	24	23	447
Barge CEB	60	60	59	1,146
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	13	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	283	2,068
Sobadhanavi	220	0	0	44
Total	3,602	2,799	2,461	37,599

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 24, 2025

1.9 Contribution to the Night Peak in MW

January 23, 2025

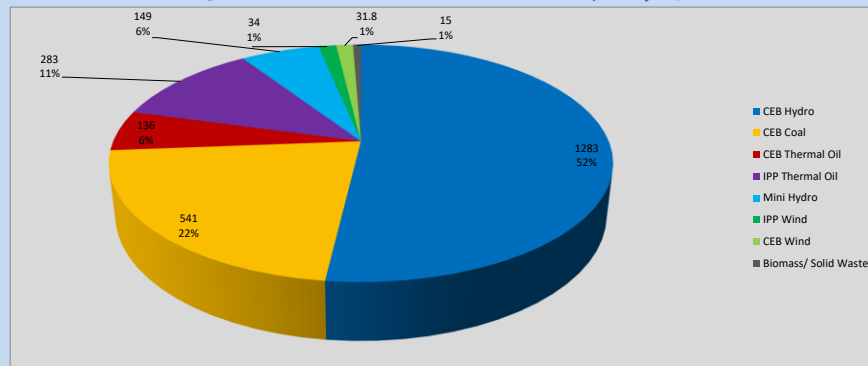


Table 05

CEB Hydro	1,283	MW
CEB Coal	541	MW
CEB Thermal Oil	136	MW
IPP Thermal Oil	283	MW
Mini Hydro (Telemetered)	149	MW
IPP Wind	34	MW
CEB Wind	31.8	MW
Biomass/ Solid Waste	15	MW

Recorded Peak Demand Data

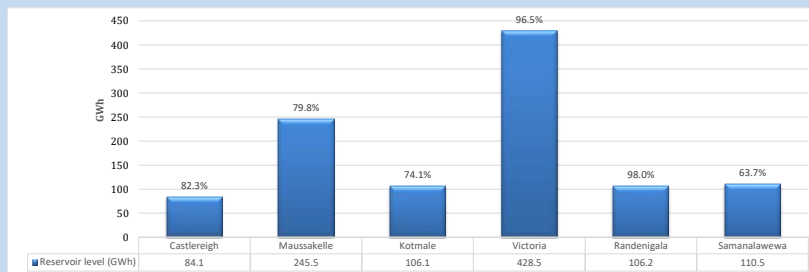
Table 06

Night Peak*	2,473	MW
Day Peak Maximum Demand	2,199	MW
Day Peak Minimum Demand	1,457	MW
Off Peak Minimum Demand	1,328	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 24, 2025



Total Reservoir Level
% of Total capacity

1,081 GWh
84.5%

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

January 23, 2025

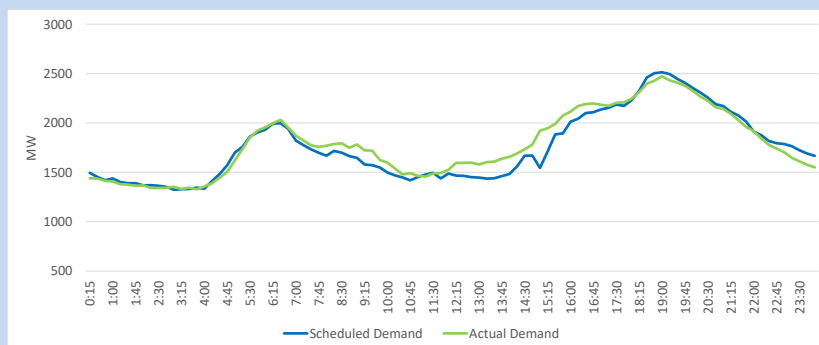
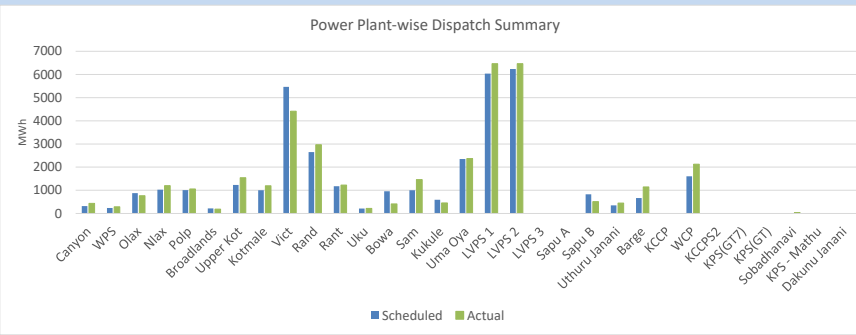


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	20,326	20,466	140
CEB Coal	12,270	12,937	667
CEB Thermal Oil	1,844	2,083	239
IPP Thermal Oil	1,602	2,112	510
NCRE (excluding non telemetered power plants)	6,046	5,350	(696)
Total	42,088	42,948	860

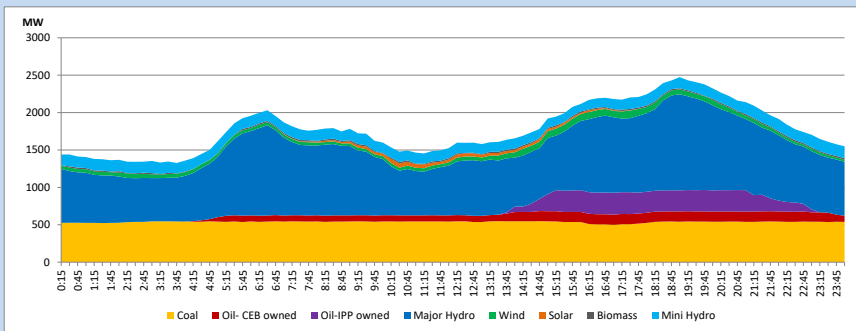
1.12 Power Plant-wise Dispatch Summary

January 23, 2025



1.13 Daily Load Curve

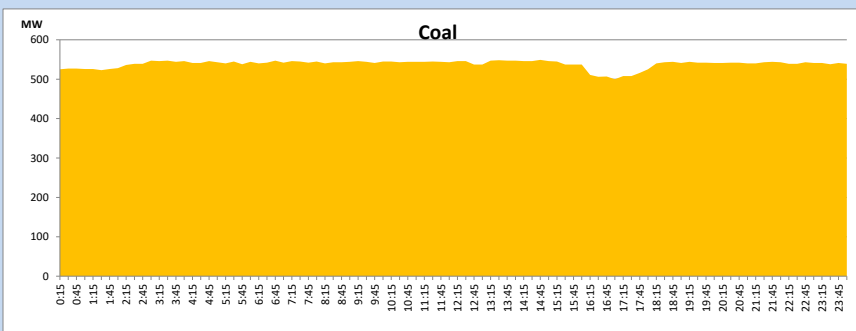
January 23, 2025



Solar and wind data is based on Telemetered Power Stations only

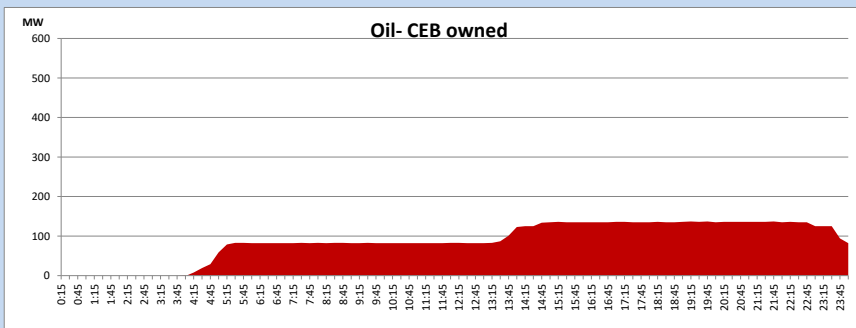
Coal Generation during

January 23, 2025



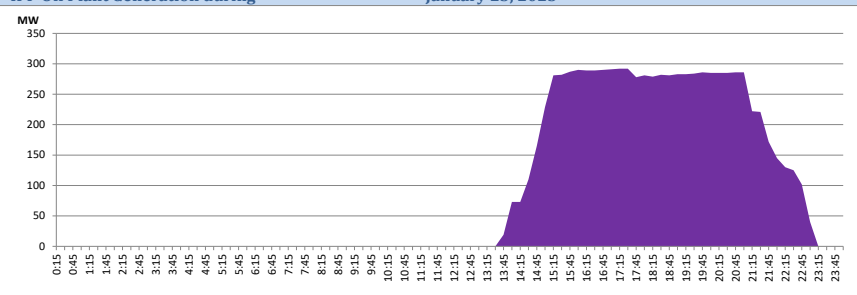
CEB Oil Plant Generation during

January 23, 2025



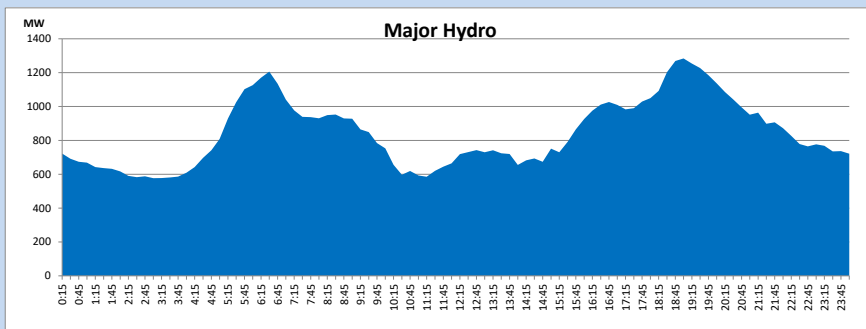
IPP Oil Plant Generation during

January 23, 2025



Major Hydro Generation during

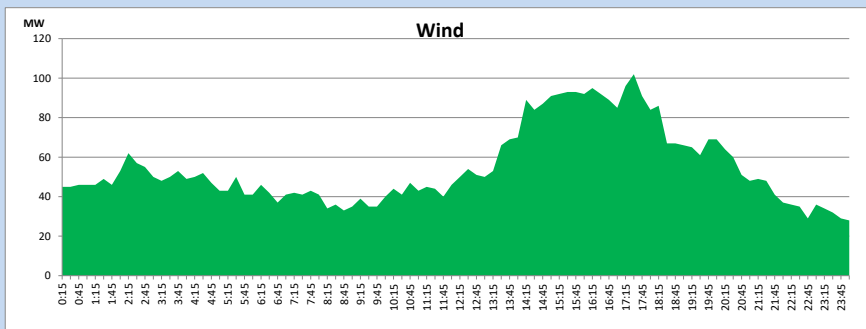
January 23, 2025



Wind Generation during

January 23, 2025

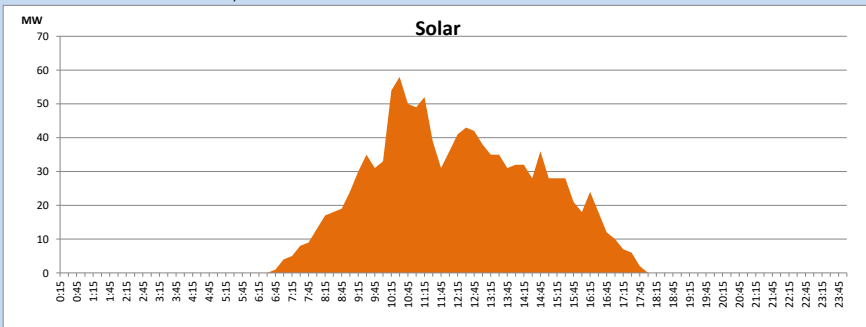
Based on Telemetered Power Stations only



Solar Generation during

January 23, 2025

Based on Telemetered Power Stations only

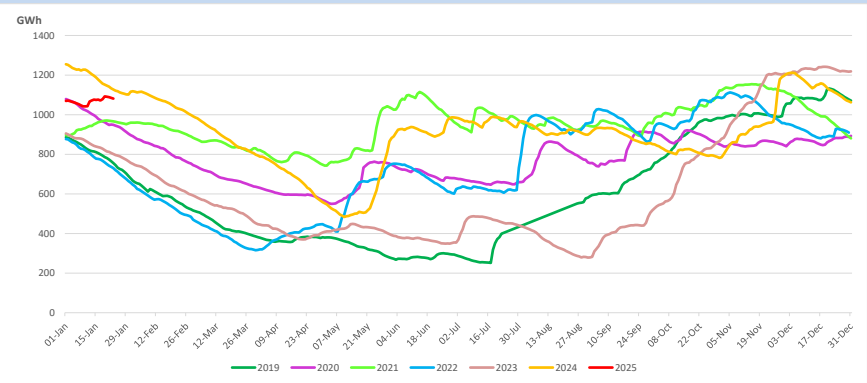


1.14 Major Incidents reported during the day

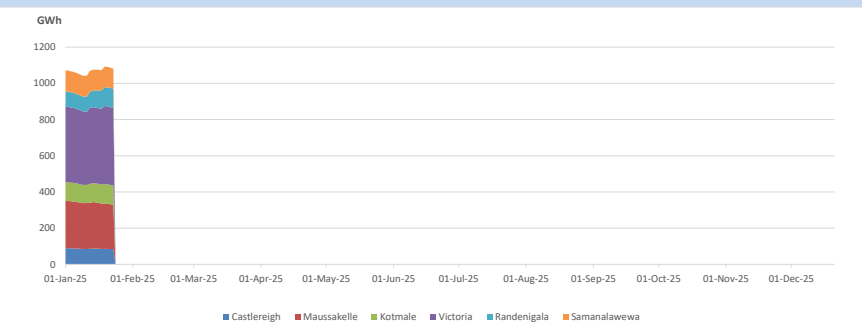
January 23, 2025

- 1) Kukule Unit 01 was released for annual maintenance from 10:47hrs.
- 2) Uma Oya Puhulpola and Dyraaba ponds spilling stopped at 18:02hrs and 19:10hrs respectively.
- 3) Old Laxapana Stage I made a forced shutdown at 21:34hrs, while operating at 24MW. Old Laxapana Stage I resumed generation at 23:04hrs.
- 4) Rantambe Pond spilled intermittently and spilling stopped at 02:40hrs (24.01.2025).

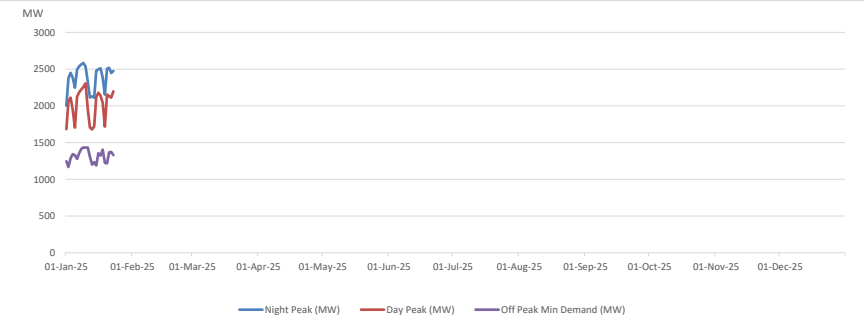
2. Comparison of Total Reservoir Storage Levels with Past Years



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

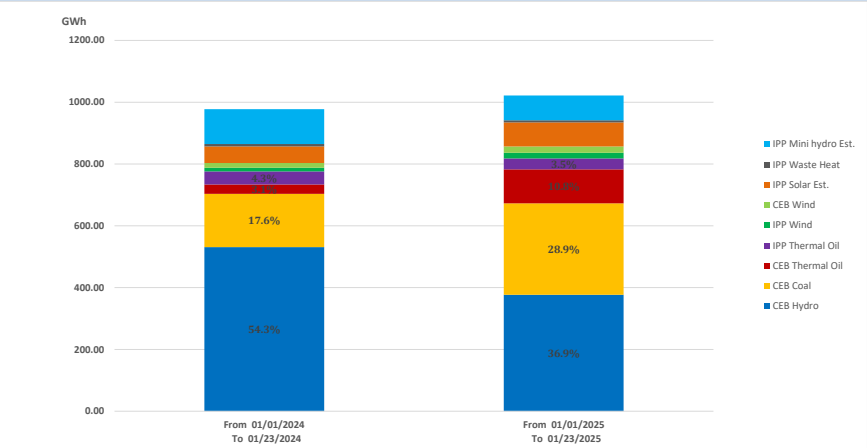


4. Variation of Demand during the current year



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 01/23/2024 977 GWh
From 01/01/2025 To 01/23/2025 1,022 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