

Generation and Reservoirs Statistics

January 16, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 16, 2025

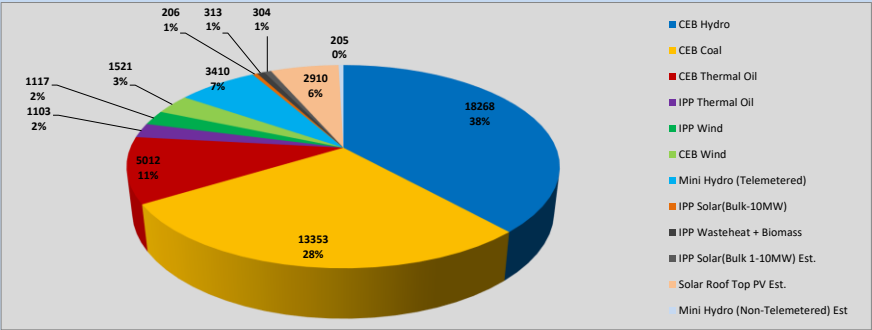


Table 01

	Generation (MWh)
CEB Hydro	18,268
CEB Coal	13,353
CEB Thermal Oil	5,012
IPP Thermal Oil	1,103
IPP Wind	1,117
CEB Wind	1,521
Mini Hydro (Telemetered)	3,410
IPP Solar (Bulk)	206
IPP Waste heat + Biomass	313
Total Generation (Excluding estimated figures)	44,303
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	205
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	47,722

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	237	33.51%
CEB Coal	206	29.20%
CEB Thermal Oil	94	13.27%
IPP Thermal	26	3.66%
IPP Wind	13	1.81%
CEB Wind	15	2.10%
Mini Hydro *	57	8.06%
IPP Solar *	54	7.68%
IPP Waste heat + BMP	5	0.70%
Total	707	

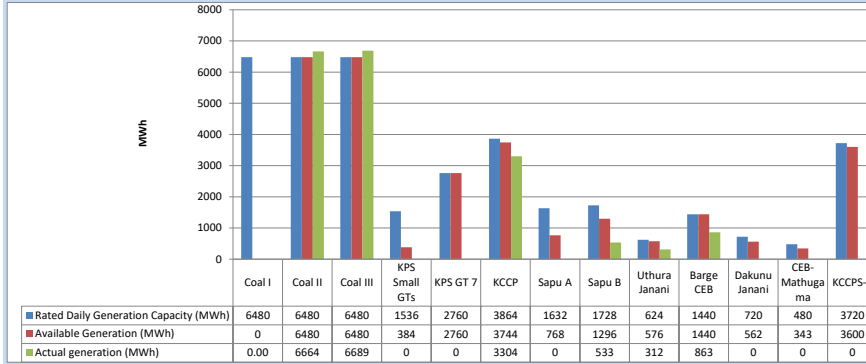
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	237	33.51%
CEB Coal	206	29.20%
CEB Thermal Oil	94	13.27%
IPP Thermal	26	3.66%
IPP Wind	13	1.81%
CEB Wind	15	2.10%
Mini Hydro *	57	8.06%
IPP Solar *	54	7.68%
IPP Waste heat	5	0.70%
Total	707	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 16, 2025

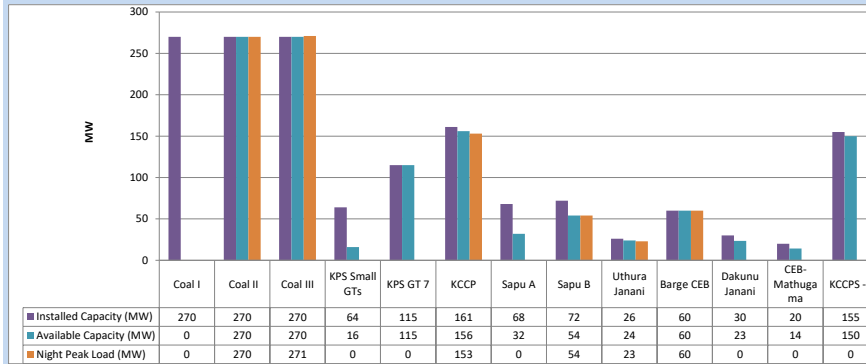


Available Generation is estimated based on plant availability at 6.00am on

January 17, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 16, 2025

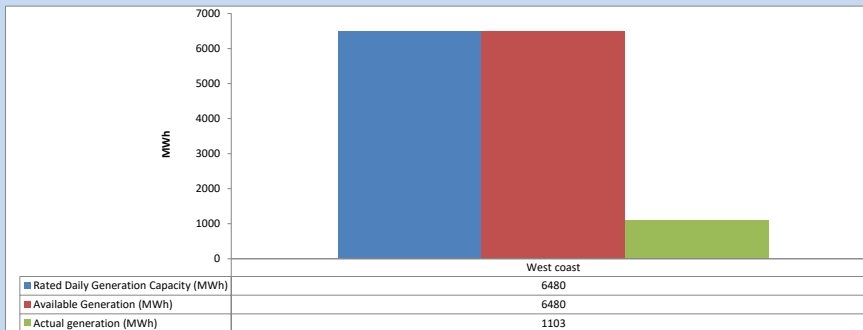


Plant availability is recorded at 6.00 am on

January 17, 2025

1.4 IPP owned Thermal Plant Dispatch

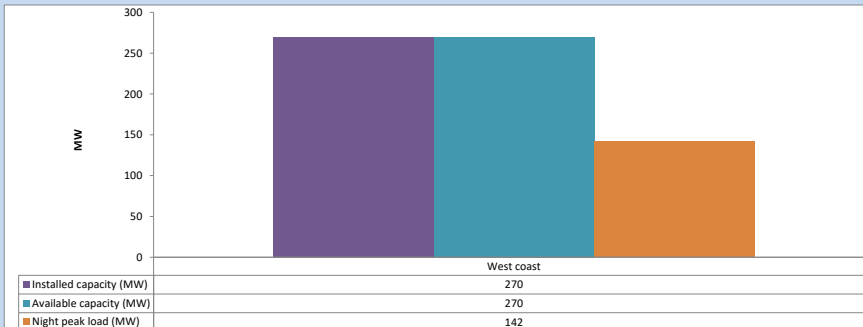
January 16, 2025



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

January 17, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

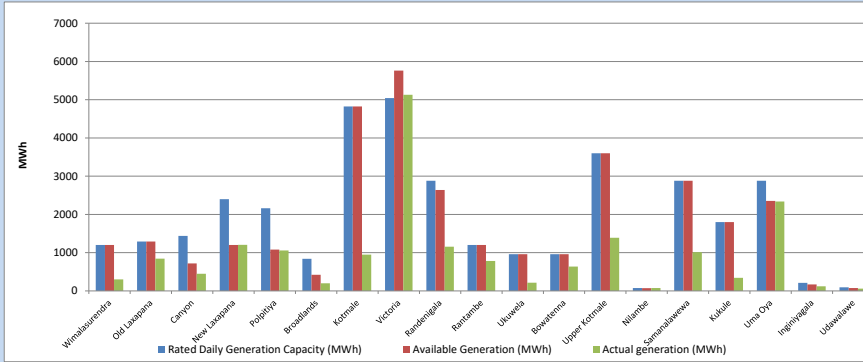


Plant availability is recorded at 6.00 am on

January 17, 2025

1.6 Major Hydro Plant Dispatch

January 16, 2025

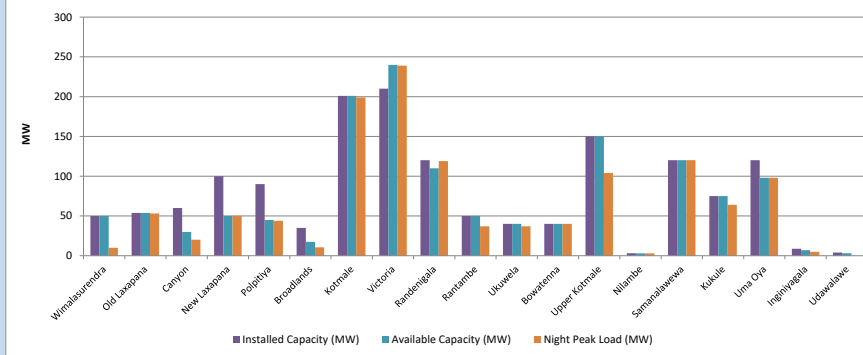


Available Generation is estimated based on plant availability at 6.00am on

January 17, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 16, 2025



Plant availability is recorded at 6.00 am on

January 17, 2025

1.8 Summary of Major Plant performance

January 16, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	300
Old Laxapana	54	54	53	845
Canyon	60	30	20	448
New Laxapana	100	50	50	1,206
Polpitiya	90	45	44	1,060
Broadlands	35	18	11	198
Kotmale	201	201	199	950
Victoria	210	240	239	5,129
Randenigala	120	110	119	1,157
Rantambe	50	50	37	785
Ukuwela	40	40	37	215
Bowatenna	40	40	40	635
Upper Kotmale	150	150	104	1,389
Nilambe	3	3	3	77
Samanalawewa	120	120	120	1,012
Kukule	75	75	64	343
Uma Oya	120	98	98	2,340
Inginigayala	9	7	5	121
Udawalawe	4	3	0	59
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,664
Puttalam Coal III	270	270	271	6,689
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	153	3,304
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	54	533
Uthura Janani	26	24	23	312
Barge CEB	60	60	60	863
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	142	1,103
Sobadhanavi	220	212	0	0
Total	3,602	2,838	2,484	37,737

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 17, 2025

1.9 Contribution to the Night Peak in MW

January 16, 2025

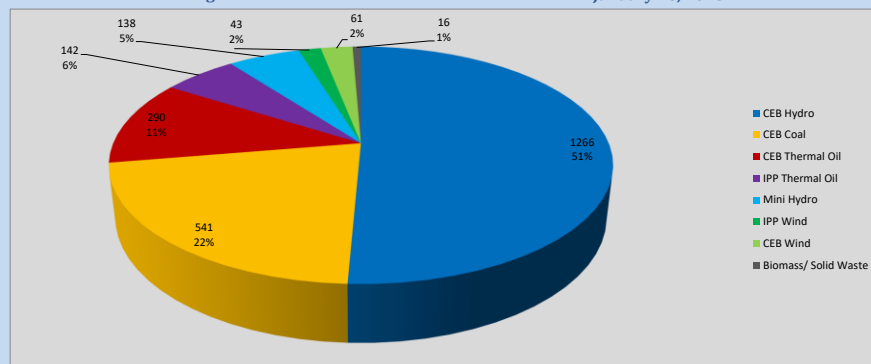


Table 05

CEB Hydro	1,266	MW
CEB Coal	541	MW
CEB Thermal Oil	290	MW
IPP Thermal Oil	142	MW
Mini Hydro (Telemetered)	138	MW
IPP Wind	43	MW
CEB Wind	61	MW
Biomass/ Solid Waste	16	MW

Recorded Peak Demand Data

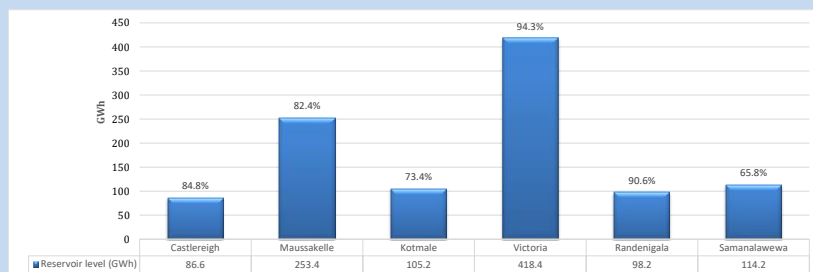
Table 06

Night Peak*	2,497	MW
Day Peak Maximum Demand	2,179	MW
Day Peak Minimum Demand	1,694	MW
Off Peak Minimum Demand	1,354	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 17, 2025



Total Reservoir Level
% of Total capacity

1,076 GWh
84.2%

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

January 16, 2025

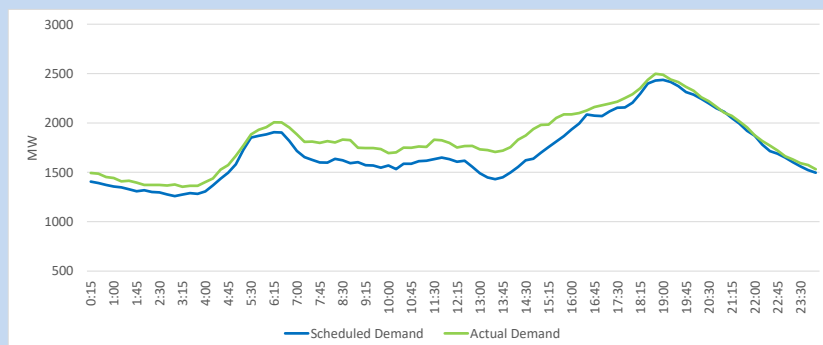
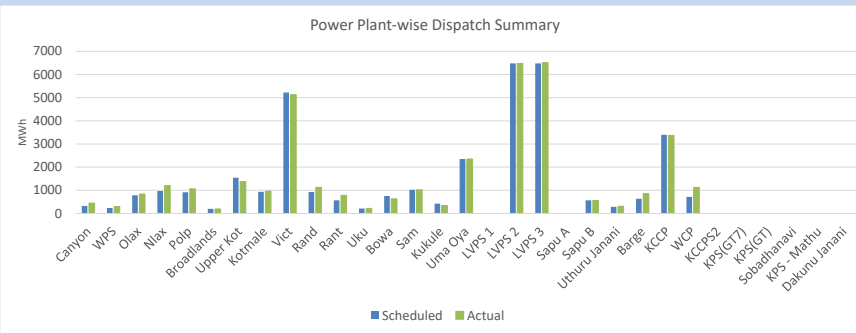


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	17,388	18,268	880
CEB Coal	12,960	13,353	393
CEB Thermal Oil	4,877	5,012	135
IPP Thermal Oil	716	1,103	387
NCRE (excluding non telemetered power plants)	5,324	6,567	1,243
Total	41,266	44,303	3,037

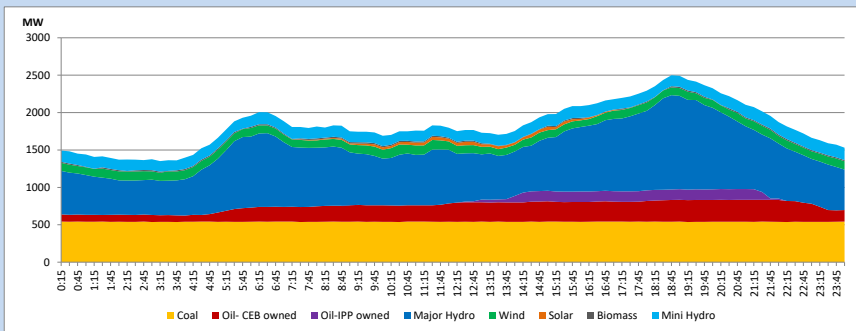
1.12 Power Plant-wise Dispatch Summary

January 16, 2025



1.13 Daily Load Curve

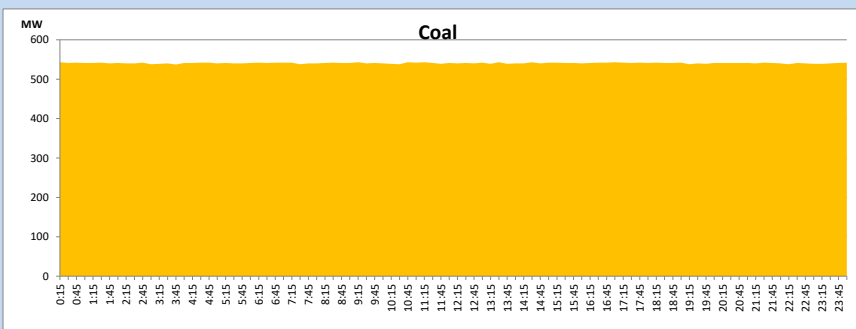
January 16, 2025



Solar and wind data is based on Telemetered Power Stations only

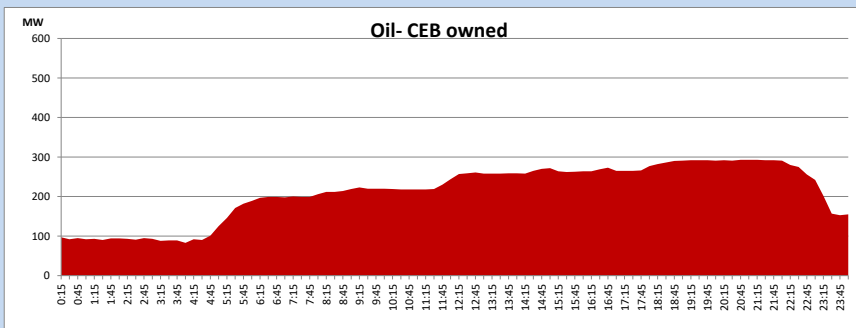
Coal Generation during

January 16, 2025

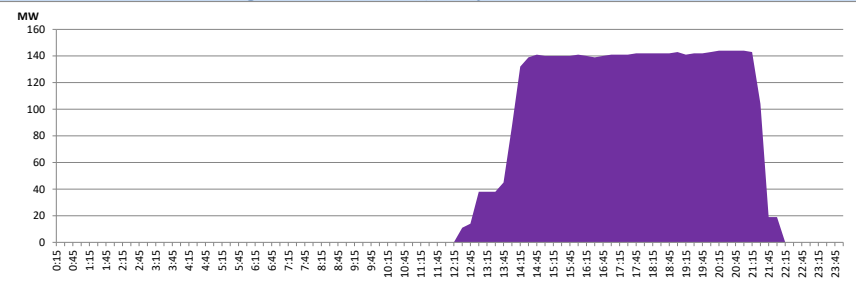


CEB Oil Plant Generation during

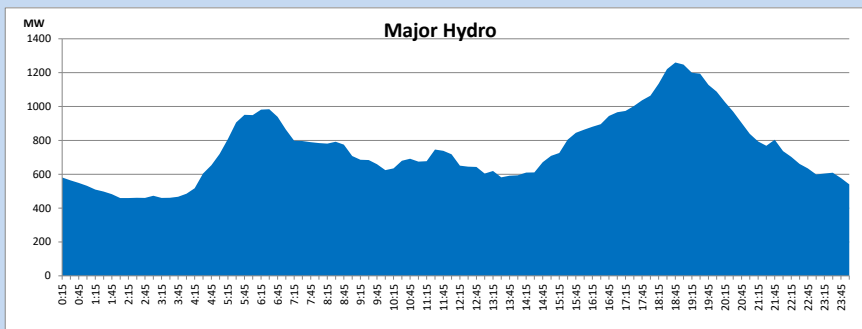
January 16, 2025



IPP Oil Plant Generation during January 16, 2025

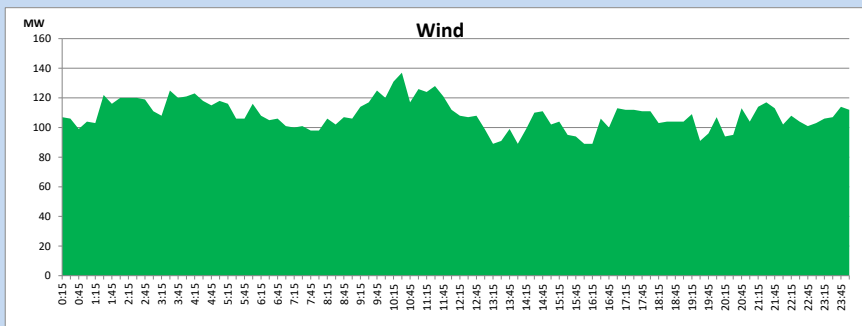


Major Hydro Generation during January 16, 2025



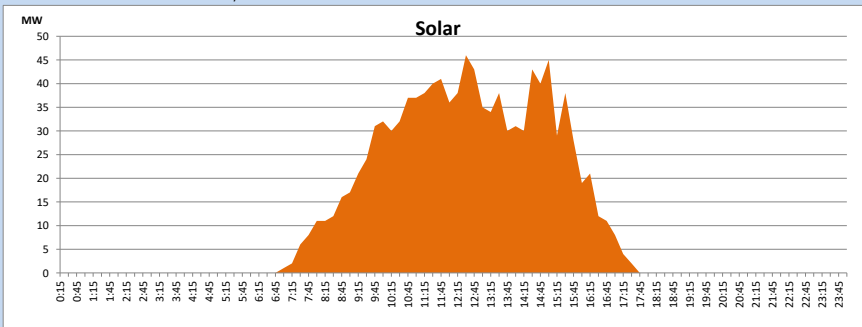
Wind Generation during January 16, 2025

Based on Telemetered Power Stations only



Solar Generation during January 16, 2025

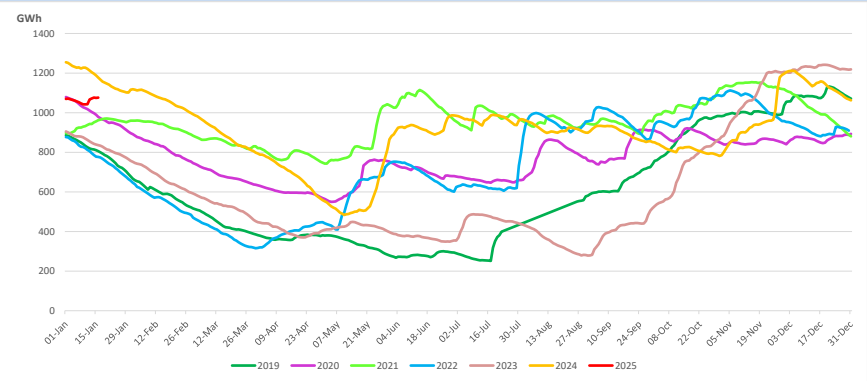
Based on Telemetered Power Stations only



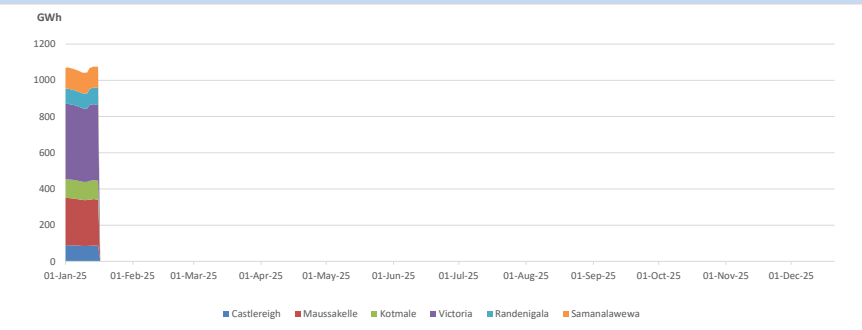
1.14 Major Incidents reported during the day January 16, 2025

- 1) Uma Oya Dyaaba and Puhulpola ponds spilled intermittently and both ponds spilling continues to the present hour.

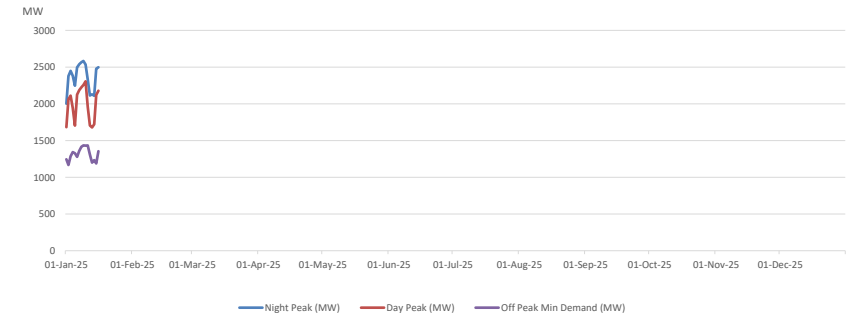
2. Comparison of Total Reservoir Storage Levels with Past Years



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

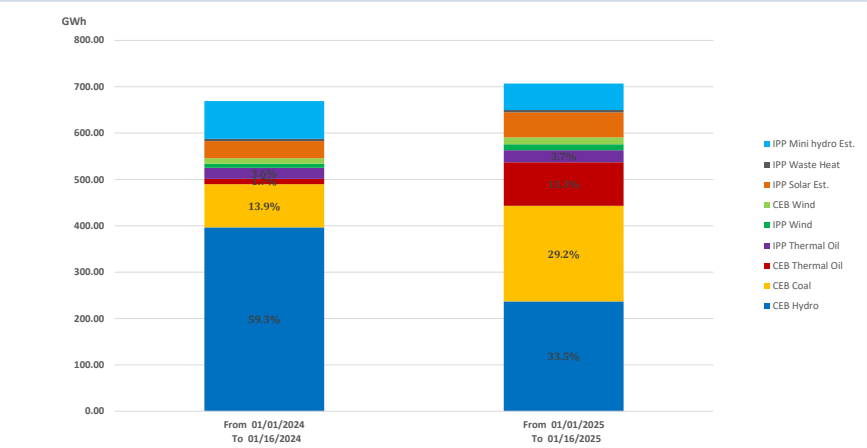


4. Variation of Demand during the current year



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 01/16/2024 669 GWh
From 01/01/2025 To 01/16/2025 707 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	245

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