

Generation and Reservoirs Statistics

January 17, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 17, 2025

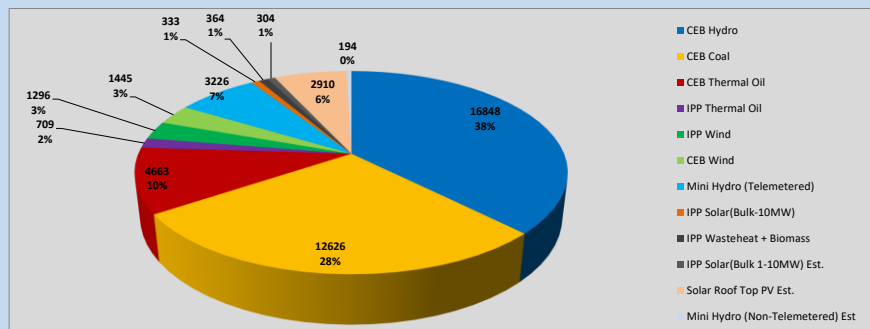


Table 01

	Generation (MWh)
CEB Hydro	16,848
CEB Coal	12,626
CEB Thermal Oil	4,663
IPP Thermal Oil	709
IPP Wind	1,296
CEB Wind	1,445
Mini Hydro (Telemetered)	3,226
IPP Solar (Bulk)	333
IPP Waste heat + Biomass	364
Total Generation (Excluding estimated figures)	41,510
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	194
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	44,918

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	254	33.74%
CEB Coal	219	29.14%
CEB Thermal Oil	98	13.10%
IPP Thermal	27	3.54%
IPP Wind	14	1.88%
CEB Wind	16	2.17%
Mini Hydro *	60	8.04%
IPP Solar *	58	7.69%
IPP Waste heat + BMP	5	0.71%
Total	752	

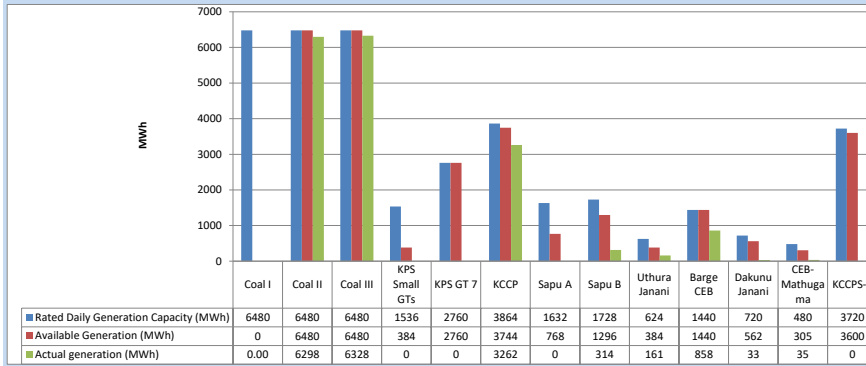
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	254	33.74%
CEB Coal	219	29.14%
CEB Thermal Oil	98	13.10%
IPP Thermal	27	3.54%
IPP Wind	14	1.88%
CEB Wind	16	2.17%
Mini Hydro *	60	8.04%
IPP Solar *	58	7.69%
IPP Waste heat	5	0.71%
Total	752	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 17, 2025

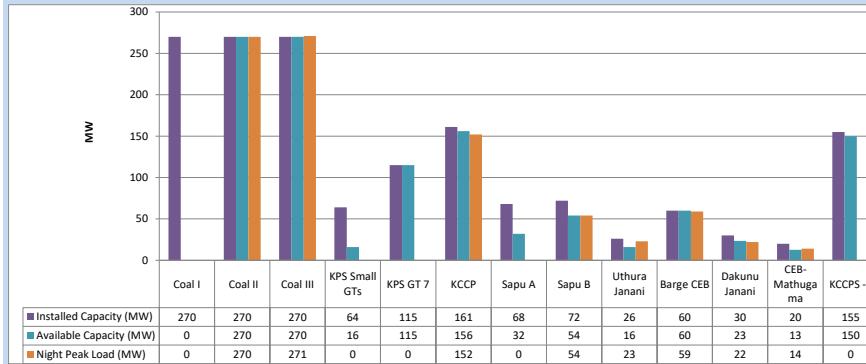


Available Generation is estimated based on plant availability at 6.00am on

January 18, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 17, 2025

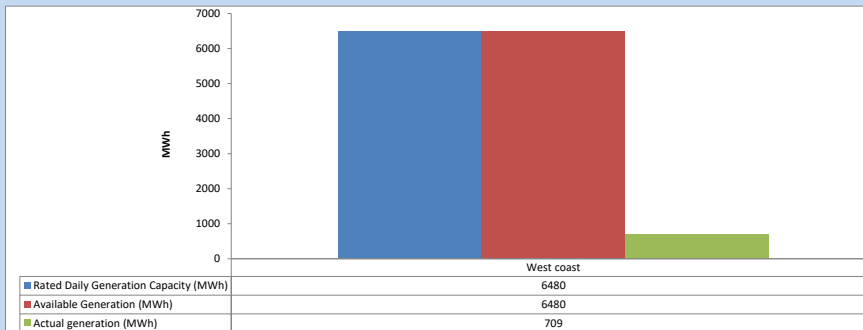


Plant availability is recorded at 6.00 am on

January 18, 2025

1.4 IPP owned Thermal Plant Dispatch

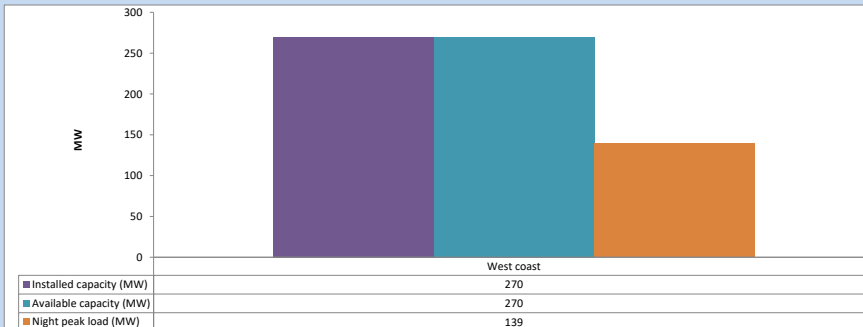
January 17, 2025



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

January 18, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

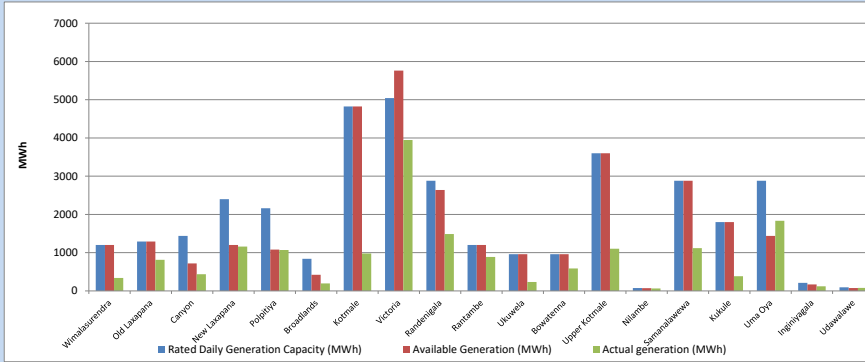


Plant availability is recorded at 6.00 am on

January 18, 2025

1.6 Major Hydro Plant Dispatch

January 17, 2025

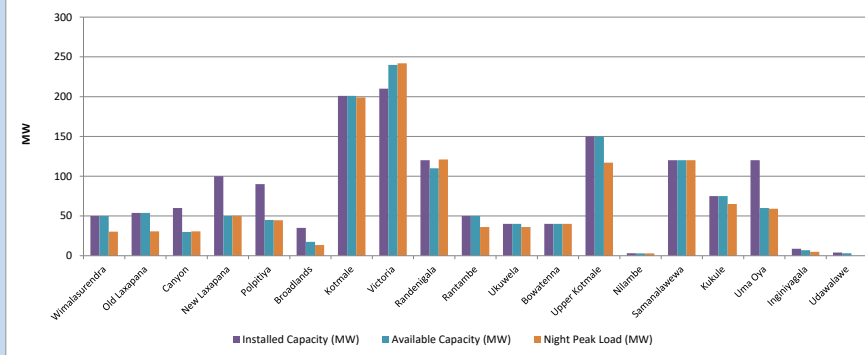


Available Generation is estimated based on plant availability at 6.00am on

January 18, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 17, 2025



Plant availability is recorded at 6.00 am on

January 18, 2025

1.8 Summary of Major Plant performance

January 17, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	30	339
Old Laxapana	54	54	31	812
Canyon	60	30	31	436
New Laxapana	100	50	50	1,161
Polpitiya	90	45	45	1,070
Broadlands	35	18	14	197
Kotmale	201	201	199	980
Victoria	210	240	242	3,945
Randenigala	120	110	121	1,486
Rantambe	50	50	36	888
Ukuwela	40	40	36	234
Bowatenna	40	40	40	588
Upper Kotmale	150	150	117	1,105
Nilambe	3	3	3	66
Samanalawewa	120	120	120	1,120
Kukule	75	75	65	386
Uma Oya	120	60	59	1,835
Inginigala	9	7	5	122
Udawalawe	4	3	0	79
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,298
Puttalam Coal III	270	270	271	6,328
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	152	3,262
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	54	314
Uthura Janani	26	16	23	161
Barge CEB	60	60	59	858
CEB-Hambantota	30	23	22	33
CEB-Mathugama	20	13	14	35
KCCPS-2	155	150	0	0
West Coast	270	270	139	709
Sobadhanavi	220	212	0	0
Total	3,602	2,791	2,498	34,847

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 18, 2025

1.9 Contribution to the Night Peak in MW

January 17, 2025

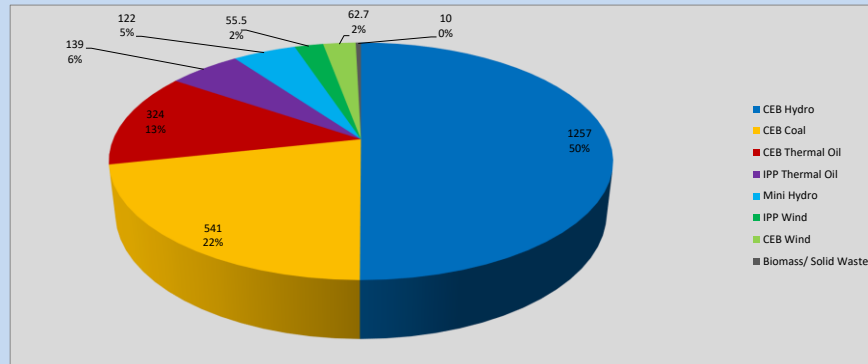


Table 05

CEB Hydro	1,257	MW
CEB Coal	541	MW
CEB Thermal Oil	324	MW
IPP Thermal Oil	139	MW
Mini Hydro (Telemetered)	122	MW
IPP Wind	55.5	MW
CEB Wind	62.7	MW
Biomass/ Solid Waste	10	MW

Recorded Peak Demand Data

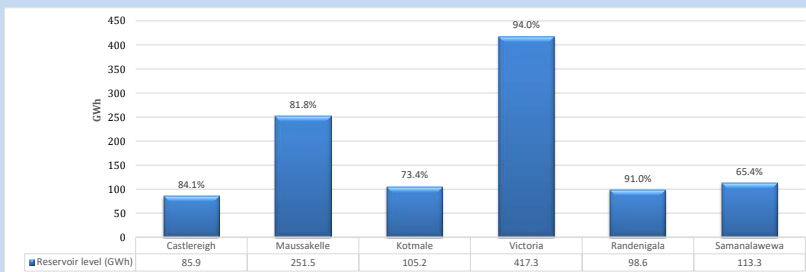
Table 06

Night Peak*	2,512	MW
Day Peak Maximum Demand	2,136	MW
Day Peak Minimum Demand	1,419	MW
Off Peak Minimum Demand	1,324	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 18, 2025



Total Reservoir Level
% of Total capacity

1,072 GWh
83.8%

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

January 17, 2025

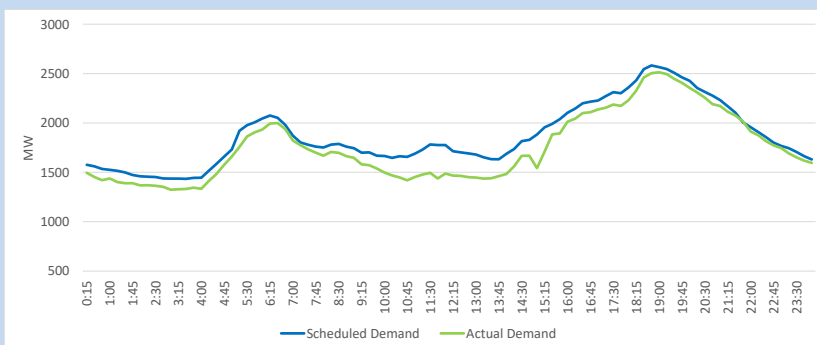
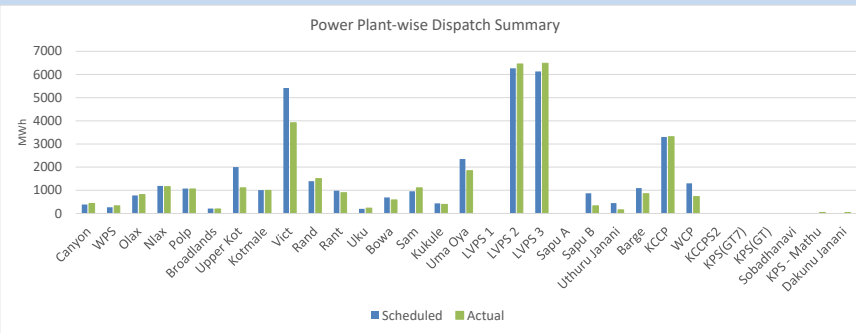


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	19,360	16,848	(2,512)
CEB Coal	12,393	12,626	233
CEB Thermal Oil	5,715	4,663	(1,052)
IPP Thermal Oil	1,298	709	(589)
NCRE (excluding non telemetered power plants)	5,997	6,664	667
Total	44,763	41,510	(3,253)

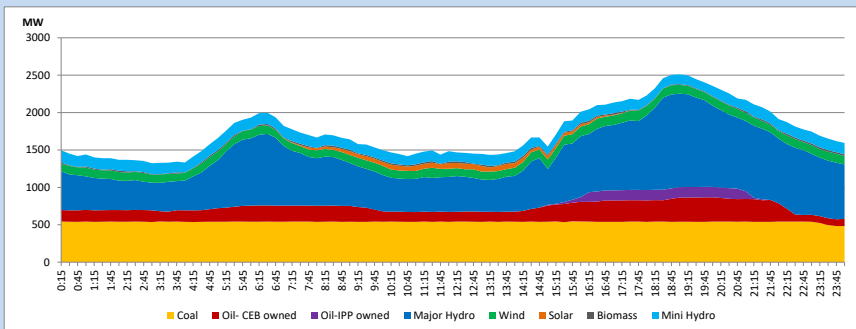
1.12 Power Plant-wise Dispatch Summary

January 17, 2025



1.13 Daily Load Curve

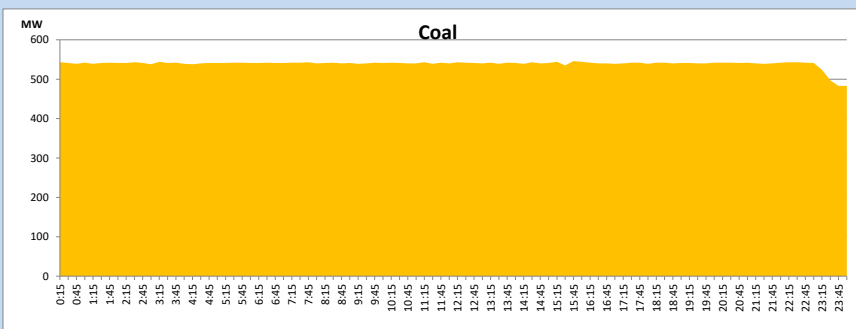
January 17, 2025



Solar and wind data is based on Telemetered Power Stations only

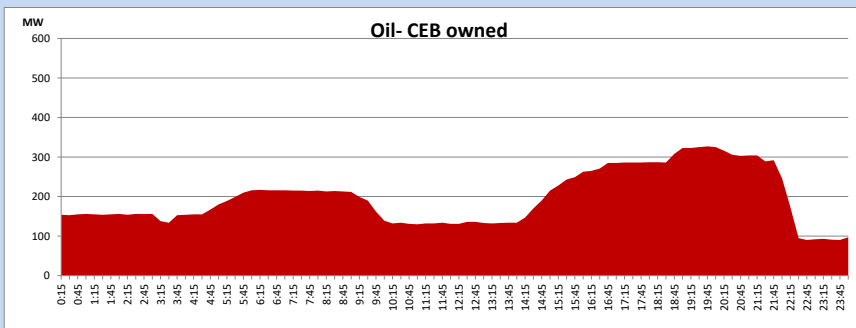
Coal Generation during

January 17, 2025



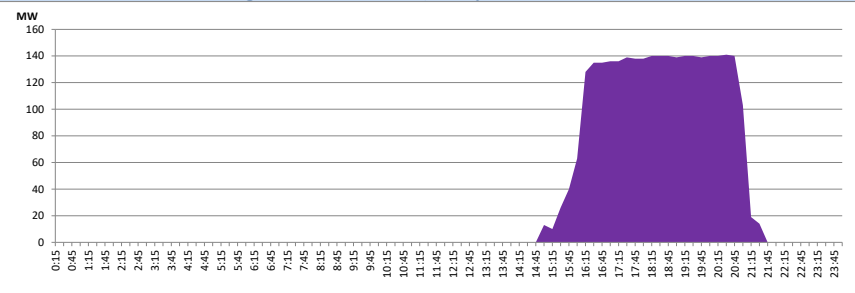
CEB Oil Plant Generation during

January 17, 2025



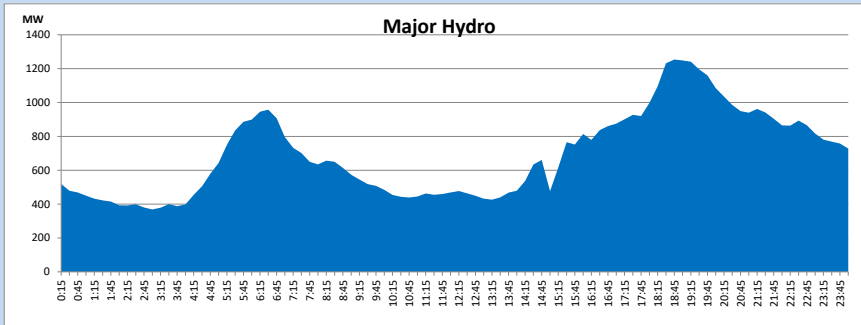
IPP Oil Plant Generation during

January 17, 2025



Major Hydro Generation during

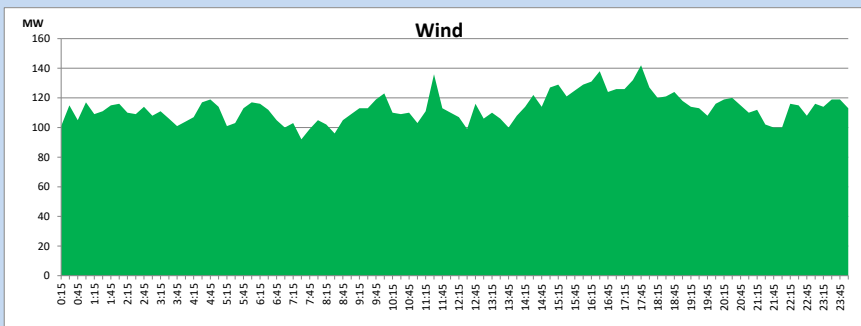
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Wind Generation during

January 17, 2025

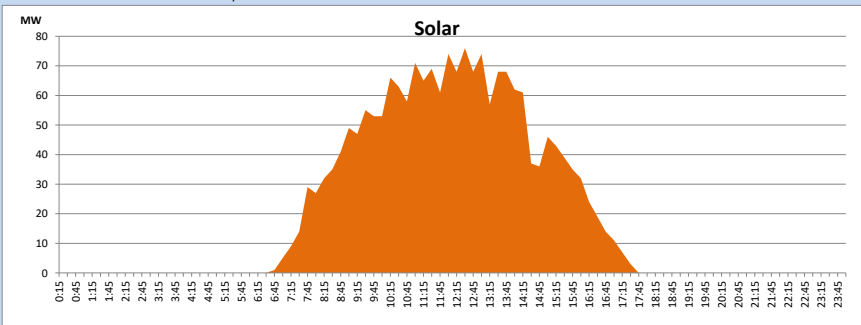
Based on Telemetered Power Stations only



Solar Generation during

January 17, 2025

Based on Telemetered Power Stations only



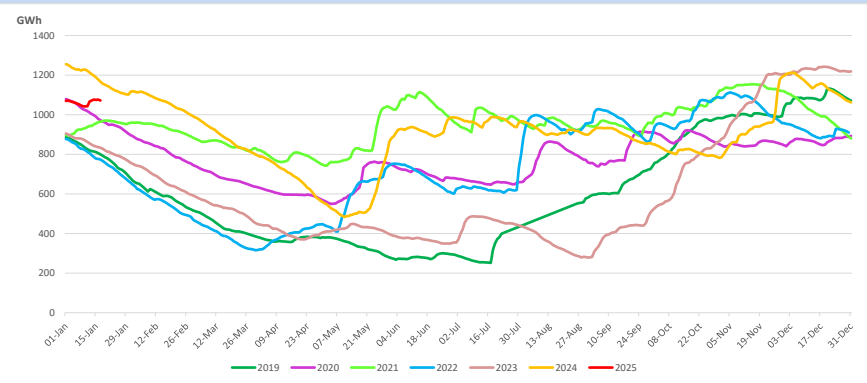
1.14 Major Incidents reported during the day

January 17, 2025

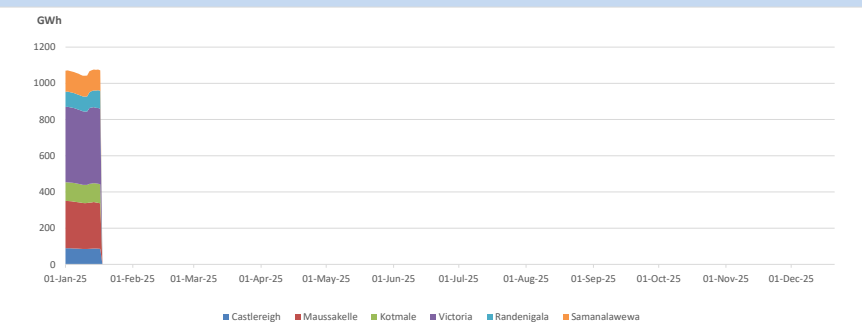
1) Old Laxapana 132kV BC CB tripped at 14:46hrs with the operation of O/C protection followed by the tripping of WPS GSS - Old Lax. cct 02 from WPS GSS end at 14:50hrs (without any proper indication) and Badulla -Old Laxapana cct 02 from Badulla GSS end at 14:51hrs (with the operation of Directional O/C) resulting WPS GSS, Badulla GSS, Monaragala GSS, 132kV BS 01 of Nuwara Eliya GSS to be dead along with tripping of Uma Oya both machines (98MW), WPS Gen 02(25MW) & Old Laxapana stage 01(28MW) from the system. The system recovered with the operation of UFLS stage 03. Badulla - Old Laxapana cct 02 was restored by 15:14hrs, WPS GSS- Old Laxapana cct 02 was restored by 15:15hrs, Old-Laxapana 132kV BC CB was restored by 15:41hrs. Uma Oya Gen 01 resumed generation at 16:39hrs. WPS Gen 02 resumed generation at 15:32hrs. Old Laxapana stage 01 resumed generation at 15:05hrs. All affected GSSs and feeders were normalized by 15:30hrs. Uma Oya Gen.02 is yet to resume generation.

2) Uma Oya Dyaaba and Puhulpola ponds spilled intermittently. Puhulpola pond spilling stopped at 19:55hrs and Dyaaba pond spilling continues to the present hour.

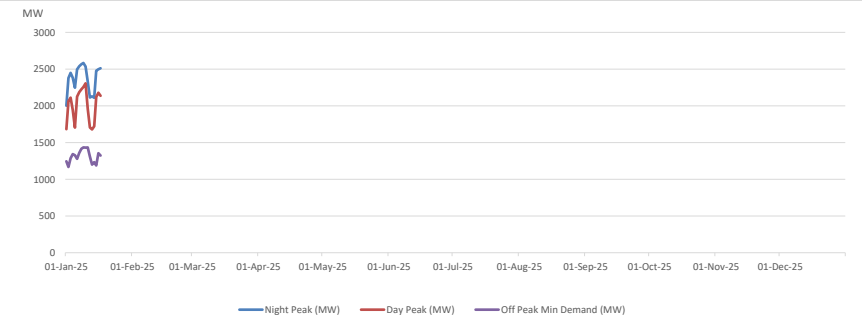
2. Comparison of Total Reservoir Storage Levels with Past Years



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

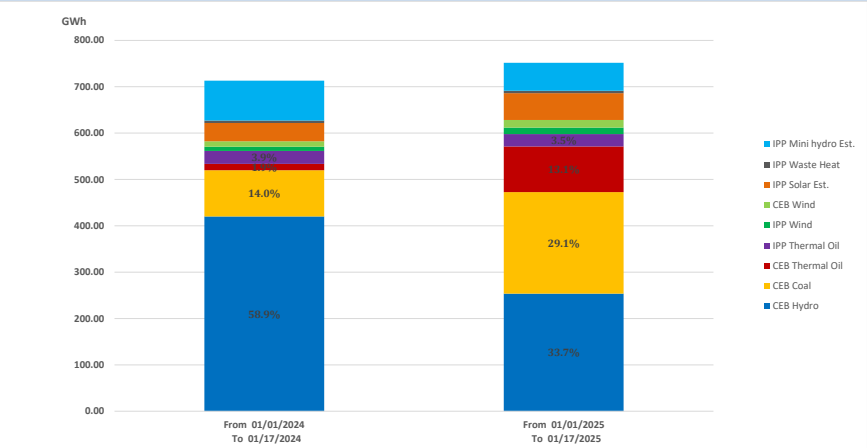


4. Variation of Demand during the current year



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 01/17/2024 713 GWh
From 01/01/2025 To 01/17/2025 752 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