

Generation and Reservoirs Statistics

January 18, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 18, 2025

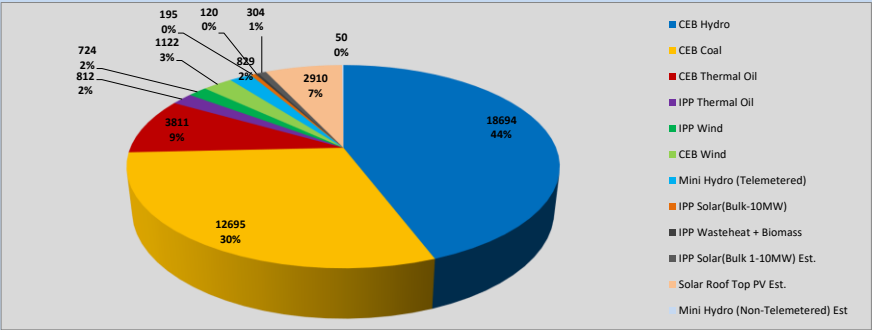


Table 01

	Generation (MWh)
CEB Hydro	18,694
CEB Coal	12,695
CEB Thermal Oil	3,811
IPP Thermal Oil	812
IPP Wind	724
CEB Wind	1,122
Mini Hydro (Telemetered)	829
IPP Solar (Bulk)	195
IPP Waste heat + Biomass	120
Total Generation (Excluding estimated figures)	39,002
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	50
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	42,266

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	272	34.30%
CEB Coal	232	29.19%
CEB Thermal Oil	102	12.88%
IPP Thermal	27	3.46%
IPP Wind	15	1.87%
CEB Wind	17	2.19%
Mini Hydro *	61	7.72%
IPP Solar *	61	7.71%
IPP Waste heat + BMP	5	0.69%
Total	794	

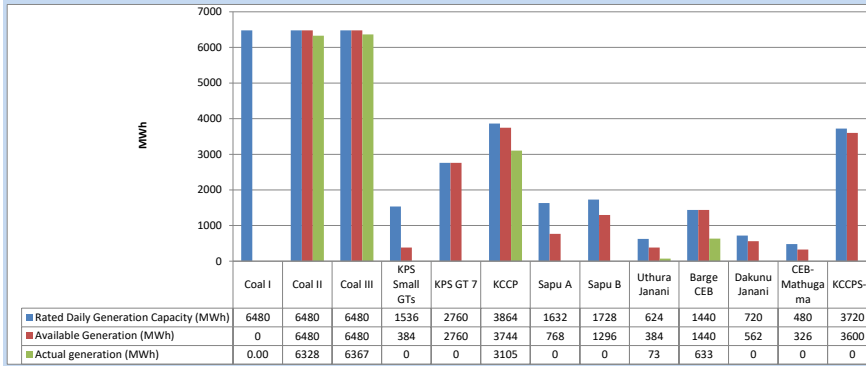
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	272	34.30%
CEB Coal	232	29.19%
CEB Thermal Oil	102	12.88%
IPP Thermal	27	3.46%
IPP Wind	15	1.87%
CEB Wind	17	2.19%
Mini Hydro *	61	7.72%
IPP Solar *	61	7.71%
IPP Waste heat	5	0.69%
Total	794	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 18, 2025

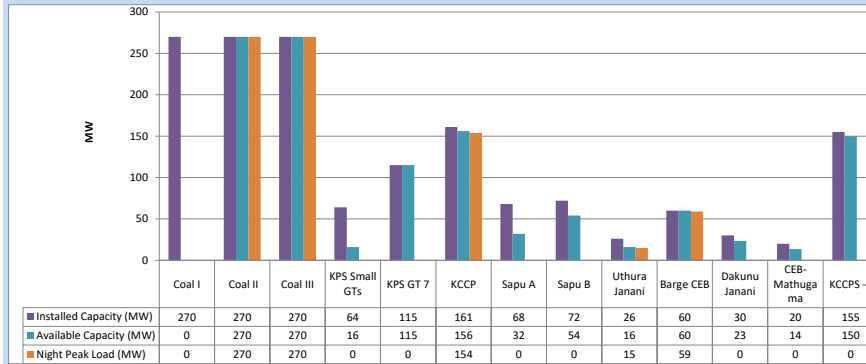


Available Generation is estimated based on plant availability at 6.00am on

January 19, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 18, 2025

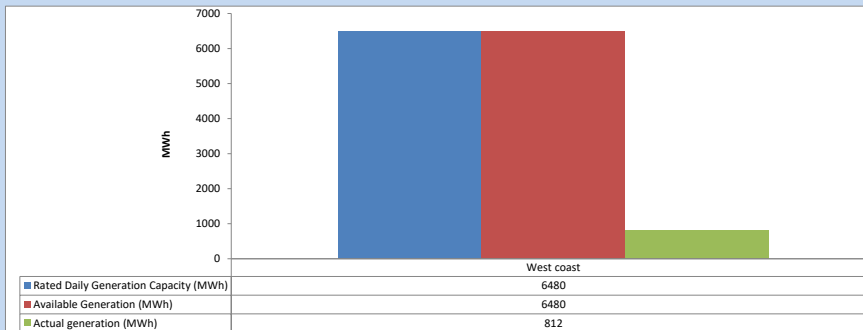


Plant availability is recorded at 6.00 am on

January 19, 2025

1.4 IPP owned Thermal Plant Dispatch

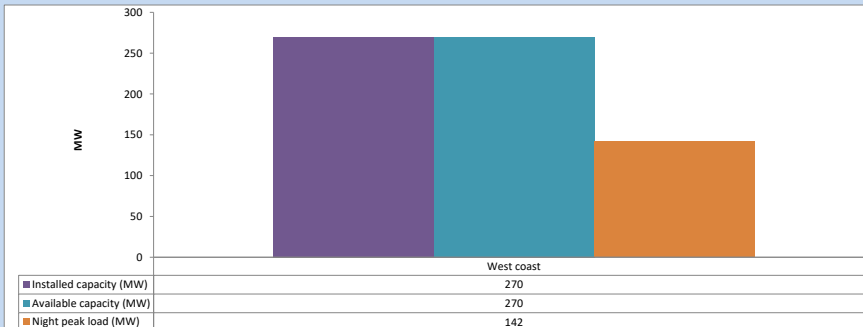
January 18, 2025



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

January 19, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

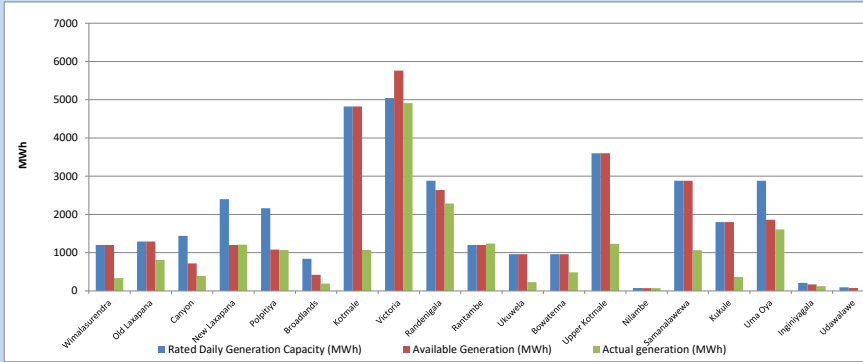


Plant availability is recorded at 6.00 am on

January 19, 2025

1.6 Major Hydro Plant Dispatch

January 18, 2025

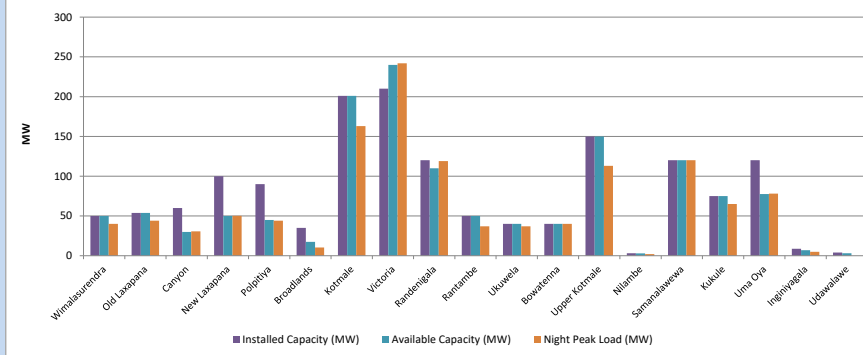


Available Generation is estimated based on plant availability at 6.00am on

January 19, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 18, 2025



Plant availability is recorded at 6.00 am on

January 19, 2025

1.8 Summary of Major Plant performance

January 18, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	40	334
Old Laxapana	54	54	44	814
Canyon	60	30	31	390
New Laxapana	100	50	50	1,209
Polpitiya	90	45	44	1,070
Broadlands	35	18	10	192
Kotmale	201	201	163	1,070
Victoria	210	240	242	4,911
Randenigala	120	110	119	2,287
Rantambe	50	50	37	1,238
Ukuwela	40	40	37	231
Bowatenna	40	40	40	485
Upper Kotmale	150	150	113	1,231
Nilambe	3	3	2	71
Samanalawewa	120	120	120	1,066
Kukule	75	75	65	366
Uma Oya	120	78	78	1,607
Inginigala	9	7	5	123
Udawalawe	4	3	0	0
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,328
Puttalam Coal III	270	270	270	6,367
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	154	3,105
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	0	0
Uthura Janani	26	16	15	73
Barge CEB	60	60	59	633
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	142	812
Sobadhanavi	220	0	0	0
Total	3,602	2,809	2,368	36,013

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 19, 2025

1.9 Contribution to the Night Peak in MW

January 18, 2025

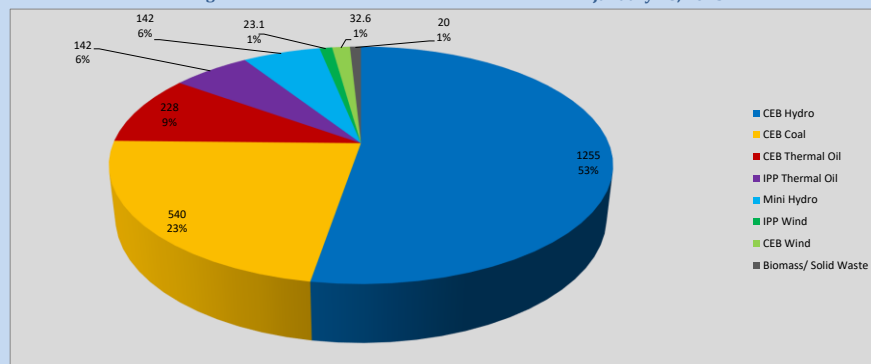


Table 05

CEB Hydro	1,255	MW
CEB Coal	540	MW
CEB Thermal Oil	228	MW
IPP Thermal Oil	142	MW
Mini Hydro (Telemetered)	142	MW
IPP Wind	23.1	MW
CEB Wind	32.6	MW
Biomass/ Solid Waste	20	MW

Recorded Peak Demand Data

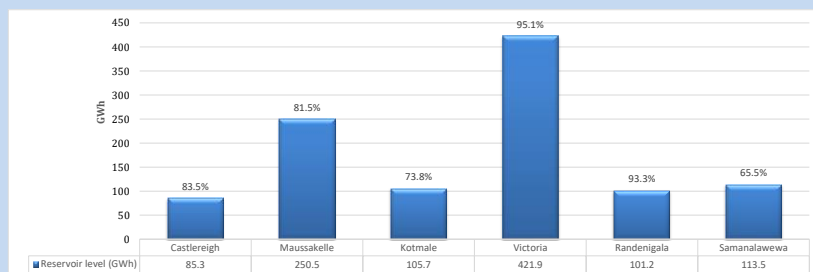
Table 06

Night Peak*	2,383	MW
Day Peak Maximum Demand	2,042	MW
Day Peak Minimum Demand	1,601	MW
Off Peak Minimum Demand	1,403	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 19, 2025



Total Reservoir Level
% of Total capacity

1,078 GWh
84.3%

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

January 18, 2025

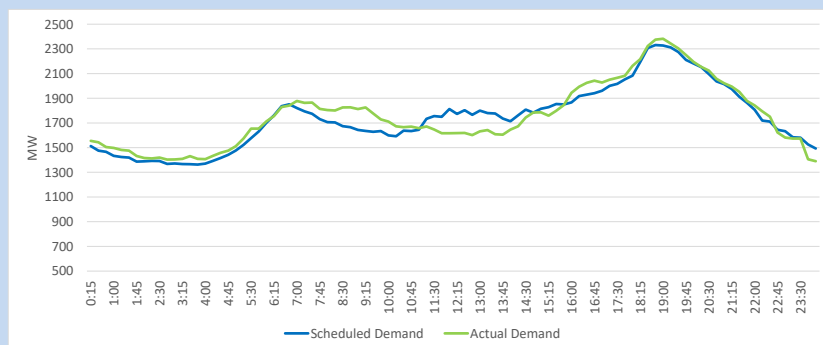
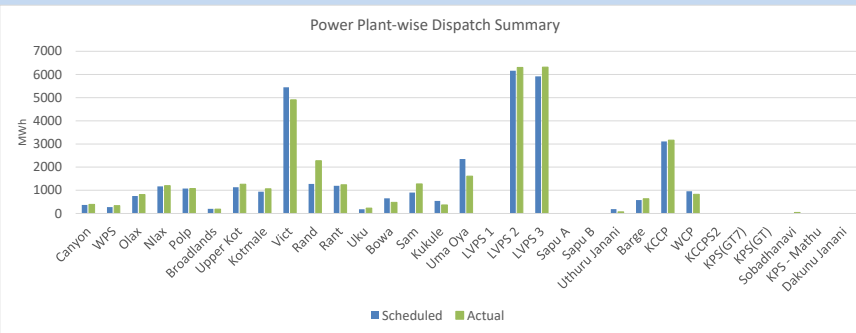


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	18,453	18,694	241
CEB Coal	12,077	12,695	618
CEB Thermal Oil	3,878	3,811	(67)
IPP Thermal Oil	958	812	(146)
NCRE (excluding non telemetered power plants)	6,427	2,990	(3,437)
Total	41,793	39,002	(2,791)

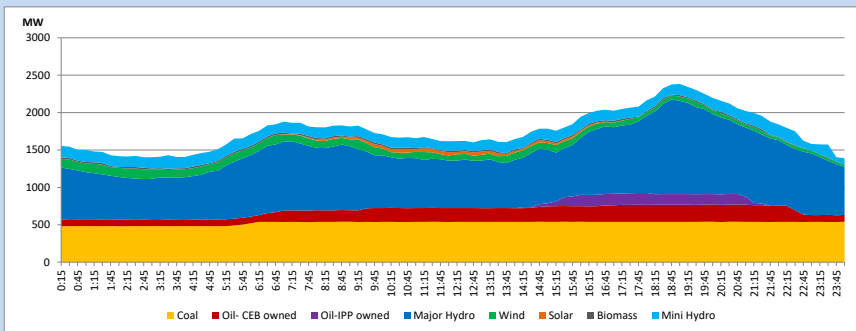
1.12 Power Plant-wise Dispatch Summary

January 18, 2025



1.13 Daily Load Curve

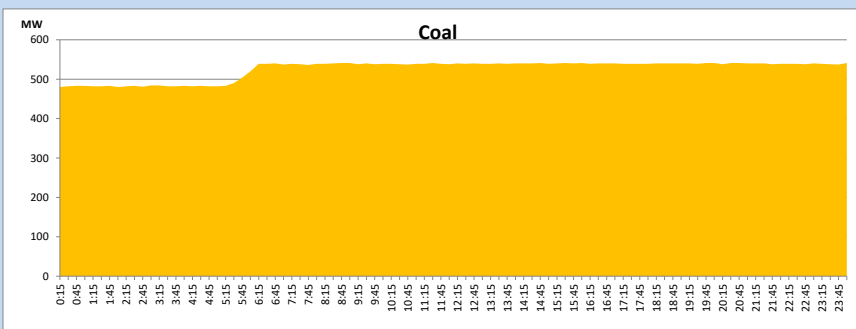
January 18, 2025



Solar and wind data is based on Telemetered Power Stations only

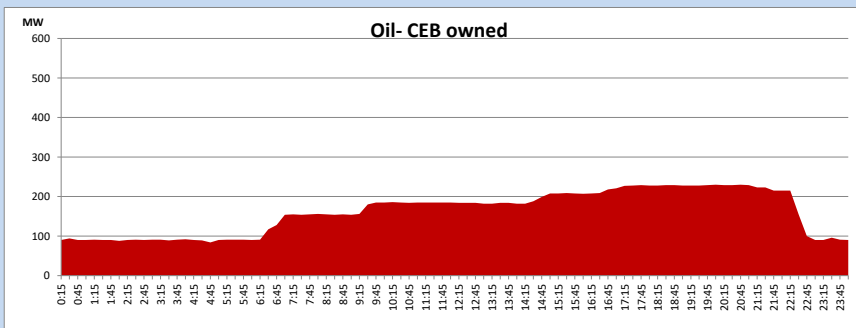
Coal Generation during

January 18, 2025



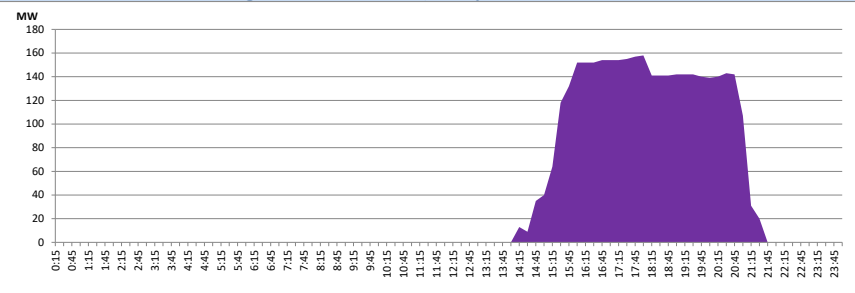
CEB Oil Plant Generation during

January 18, 2025



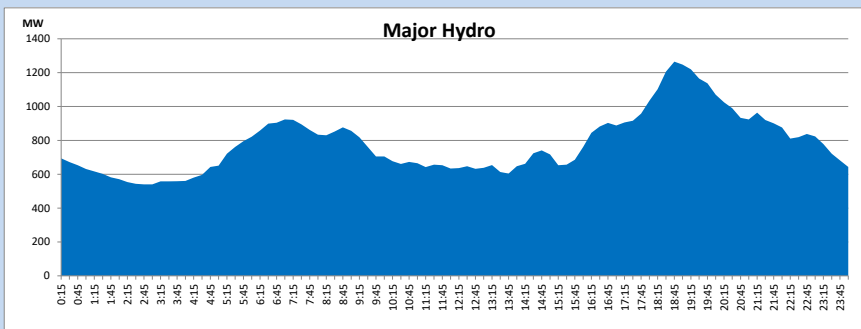
IPP Oil Plant Generation during

January 18, 2025



Major Hydro Generation during

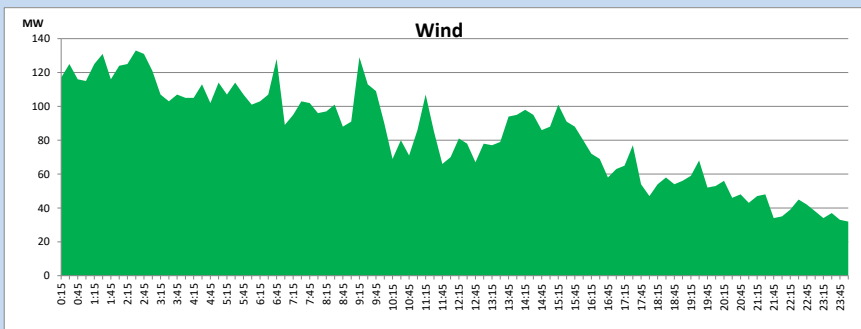
January 18, 2025



Wind Generation during

January 18, 2025

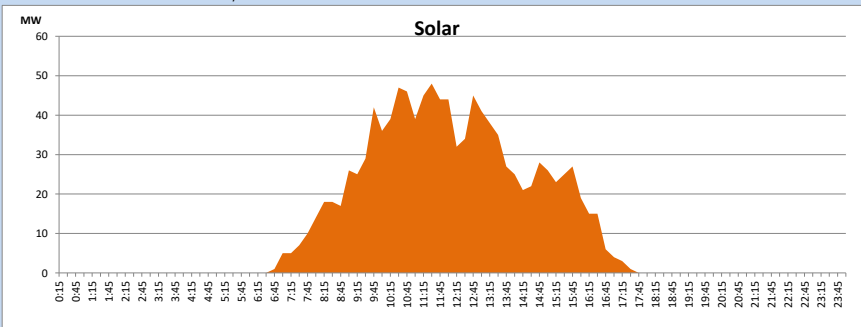
Based on Telemetered Power Stations only



Solar Generation during

January 18, 2025

Based on Telemetered Power Stations only

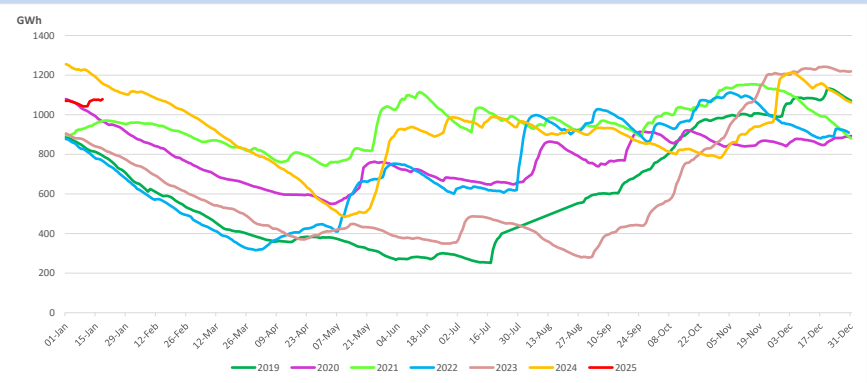


1.14 Major Incidents reported during the day

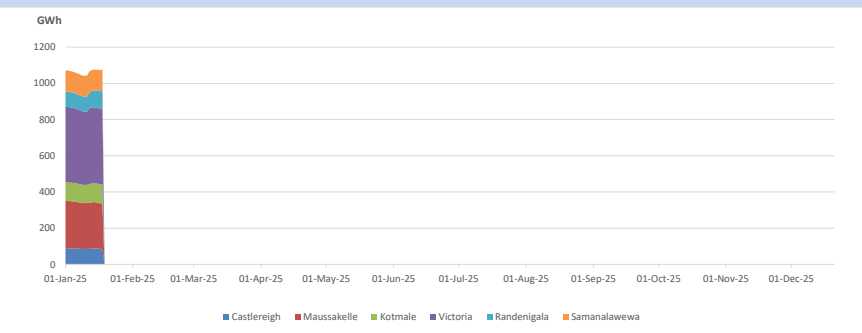
January 18, 2025

- 1) Canyon Unit 01 tripped at 8:28hrs due to the Generator T/F thyristor fuse tripped, rejecting 10MW from the system. The unit was resumed generation at 9:25hrs.
- 2) Uma Oya Unit 02 which was tripped on 17.01.2025, resumed generation at 13:12hrs and tripped again at 14:43hrs due to the nozzle fault, rejecting 18MW from the system. The unit was resumed generation at 16:56hrs and the unit 02 generation is limited to 17.5MW from 16:56hrs due to the Nozzle Failure.
- 3) Chunnakam - Kilinochchi 132kV cct 01 & 02 tripped from both ends at 16:35hrs & 16:56hrs respectively, due to the operation of distance protection. The cct 01 & 02 were normalized at 16:44hrs & 17:06hrs respectively.
- 4) Uma Oya Dyraaba pond spilling stopped intermittently and Puhulpola pond spilling started at 19:00hrs. Both ponds spilling continues to the present hour.
- 5) Chunnakam - Kilinochchi 132kV cct 01 tripped from both ends at 00:01hrs (19.01.2025) due to the operation of distance protection. The cct was normalized at 00:18hrs (19.01.2025).
- 6) Hambantota 220/132kV T/F 02 tripped from both ends at 02:58hrs (19.01.2025) due to the operation of differential protection. The T/F is yet to be normalized.

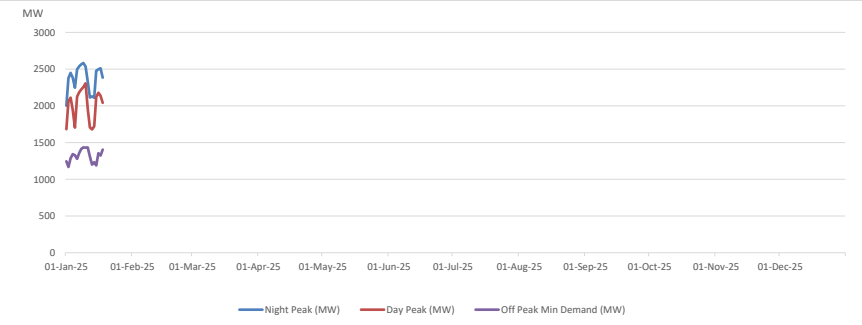
2. Comparison of Total Reservoir Storage Levels with Past Years



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

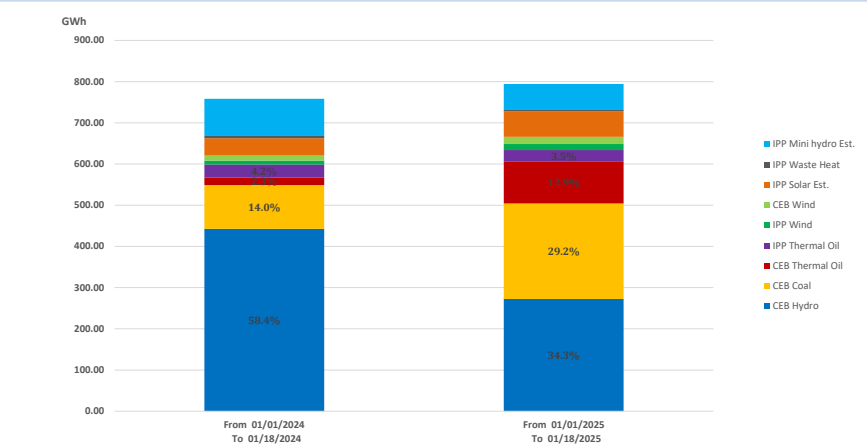


4. Variation of Demand during the current year



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 01/18/2024 758 GWh
From 01/01/2025 To 01/18/2025 794 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