

Generation and Reservoirs Statistics

January 14, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 14, 2025

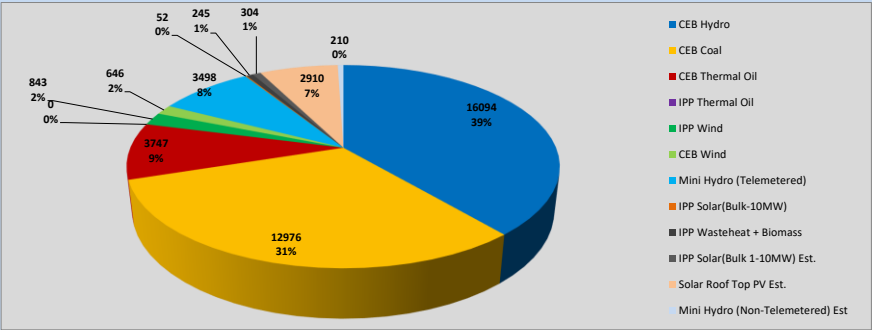


Table 01

	Generation (MWh)
CEB Hydro	16,094
CEB Coal	12,976
CEB Thermal Oil	3,747
IPP Thermal Oil	-
IPP Wind	843
CEB Wind	646
Mini Hydro (Telemetered)	3,498
IPP Solar (Bulk)	52
IPP Waste heat + Biomass	245
Total Generation (Excluding estimated figures)	38,101
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	210
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	41,525

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	201	32.70%
CEB Coal	180	29.36%
CEB Thermal Oil	84	13.70%
IPP Thermal	24	3.95%
IPP Wind	11	1.75%
CEB Wind	12	1.99%
Mini Hydro *	50	8.10%
IPP Solar *	47	7.73%
IPP Waste heat + BMP	4	0.71%
Total	614	

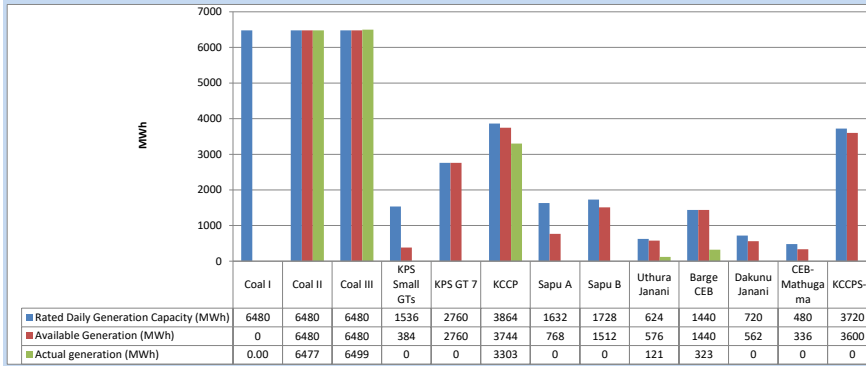
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	201	32.70%
CEB Coal	180	29.36%
CEB Thermal Oil	84	13.70%
IPP Thermal	24	3.95%
IPP Wind	11	1.75%
CEB Wind	12	1.99%
Mini Hydro *	50	8.10%
IPP Solar *	47	7.73%
IPP Waste heat	4	0.71%
Total	614	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 14, 2025

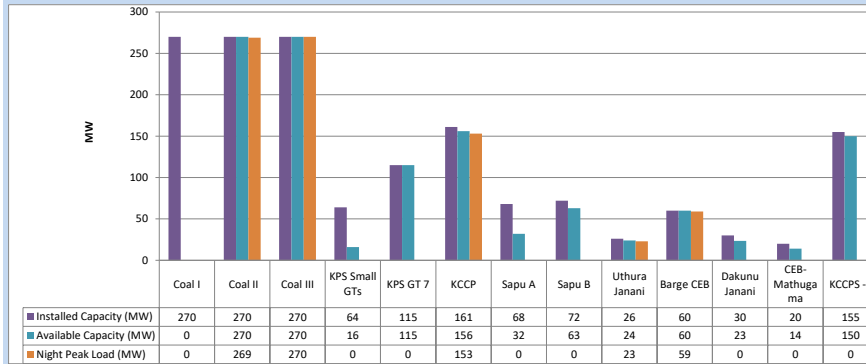


Available Generation is estimated based on plant availability at 6.00am on

January 15, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 14, 2025

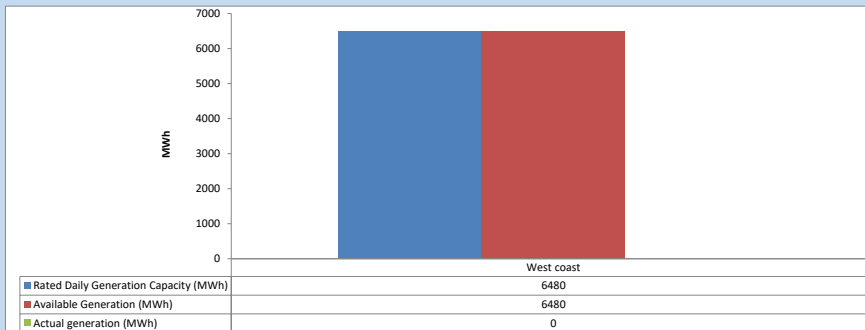


Plant availability is recorded at 6.00 am on

January 15, 2025

1.4 IPP owned Thermal Plant Dispatch

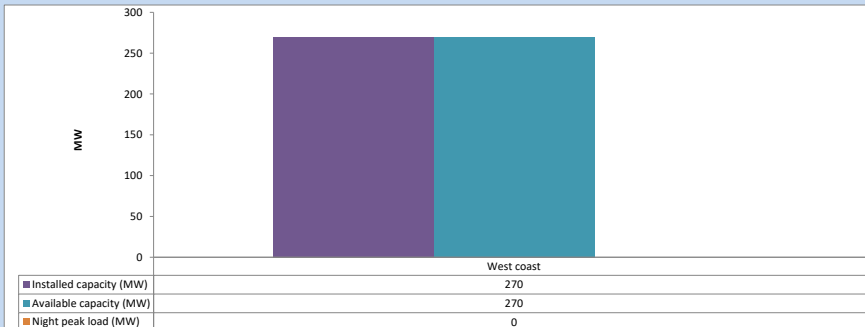
January 14, 2025



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

January 15, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

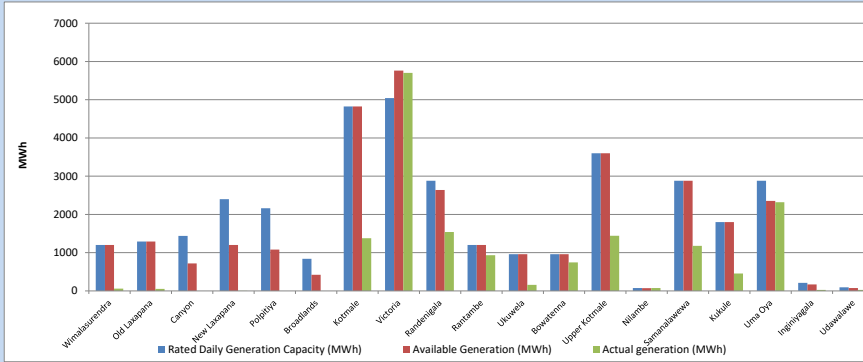


Plant availability is recorded at 6.00 am on

January 15, 2025

1.6 Major Hydro Plant Dispatch

January 14, 2025

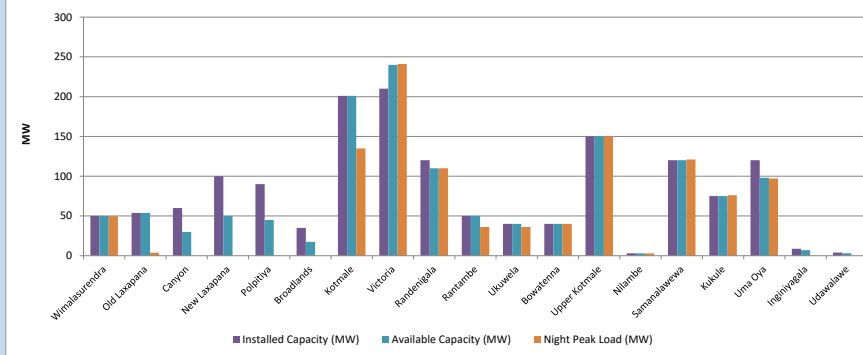


Available Generation is estimated based on plant availability at 6.00am on

January 15, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 14, 2025



Plant availability is recorded at 6.00 am on

January 15, 2025

1.8 Summary of Major Plant performance

January 14, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	59
Old Laxapana	54	54	4	51
Canyon	60	30	0	0
New Laxapana	100	50	0	4
Polpitiya	90	45	0	0
Broadlands	35	18	0	0
Kotmale	201	201	135	1,380
Victoria	210	240	241	5,701
Randenigala	120	110	110	1,542
Rantambe	50	50	36	933
Ukuwela	40	40	36	157
Bowatenna	40	40	40	744
Upper Kotmale	150	150	150	1,443
Nilambe	3	3	3	74
Samanalawewa	120	120	121	1,178
Kukule	75	75	76	455
Uma Oya	120	98	97	2,319
Inginigagala	9	7	0	28
Udawalawe	4	3	0	25
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,477
Puttalam Coal III	270	270	270	6,499
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	153	3,303
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	63	0	0
Uthura Janani	26	24	23	121
Barge CEB	60	60	59	323
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	0	0
Sobadhanavi	220	212	0	0
Total	3,602	2,847	2,097	32,816

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 15, 2025

1.9 Contribution to the Night Peak in MW

January 14, 2025

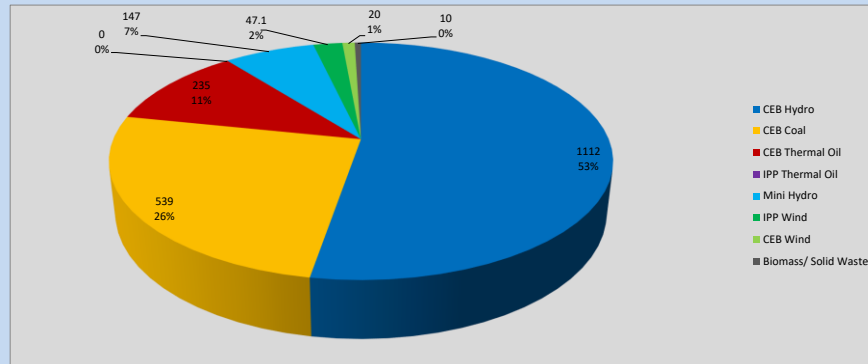


Table 05

CEB Hydro	1,112	MW
CEB Coal	539	MW
CEB Thermal Oil	235	MW
IPP Thermal Oil	0	MW
Mini Hydro (Telemetered)	147	MW
IPP Wind	47.1	MW
CEB Wind	20	MW
Biomass/ Solid Waste	10	MW

Recorded Peak Demand Data

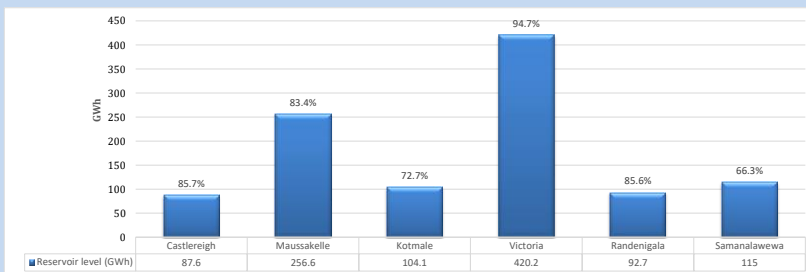
Table 06

Night Peak*	2,110	MW
Day Peak Maximum Demand	1,722	MW
Day Peak Minimum Demand	1,519	MW
Off Peak Minimum Demand	1,233	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 15, 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 14, 2025

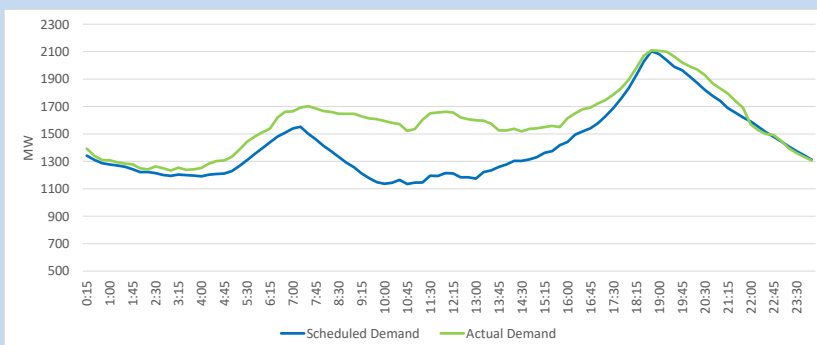
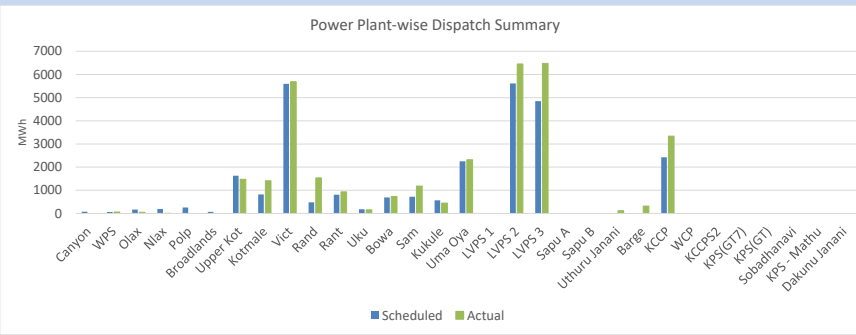


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	14,576	16,094	1,518
CEB Coal	10,465	12,976	2,511
CEB Thermal Oil	2,425	3,747	1,322
IPP Thermal Oil	-	-	-
NCRE (excluding non telemetered power plants)	6,547	5,284	(1,263)
Total	34,013	38,101	4,088

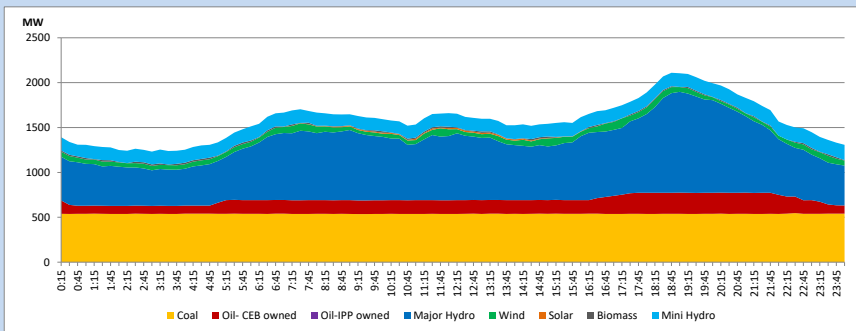
1.12 Power Plant-wise Dispatch Summary

January 14, 2025



1.13 Daily Load Curve

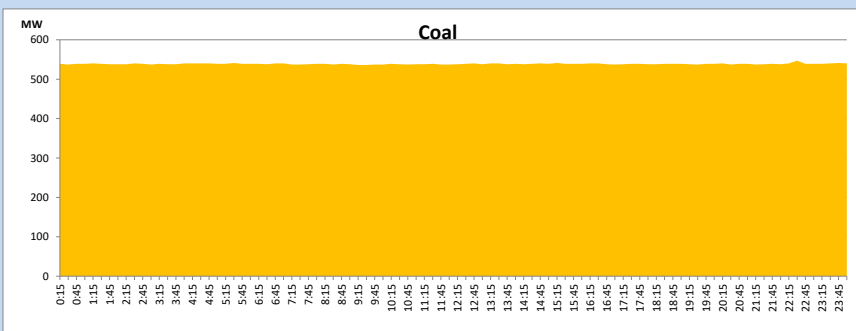
January 14, 2025



Solar and wind data is based on Telemetered Power Stations only

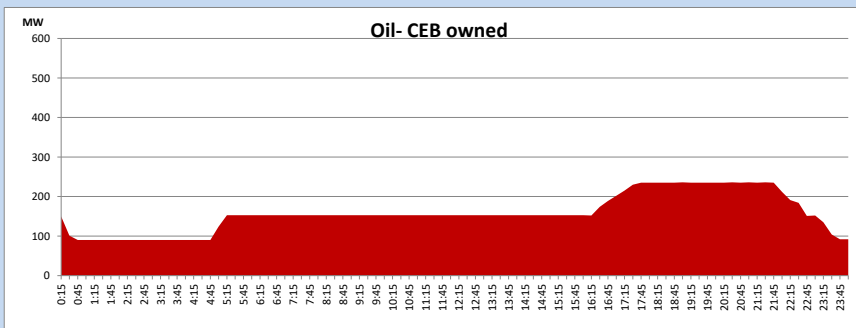
Coal Generation during

January 14, 2025



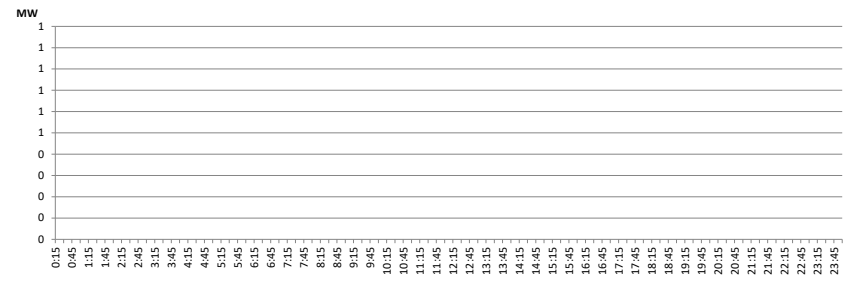
CEB Oil Plant Generation during

January 14, 2025



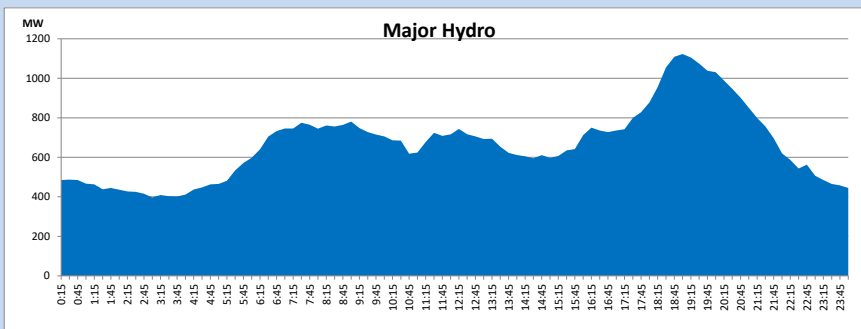
IPP Oil Plant Generation during

January 14, 2025



Major Hydro Generation during

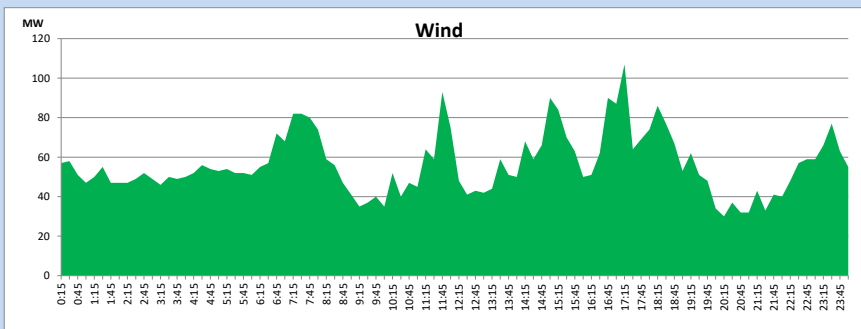
January 14, 2025



Wind Generation during

January 14, 2025

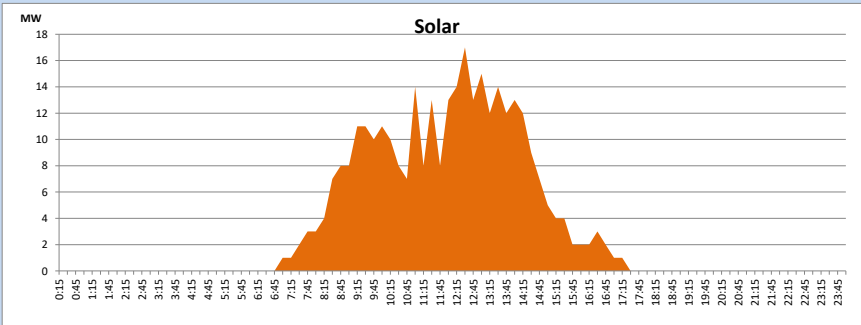
Based on Telemetered Power Stations only



Solar Generation during

January 14, 2025

Based on Telemetered Power Stations only

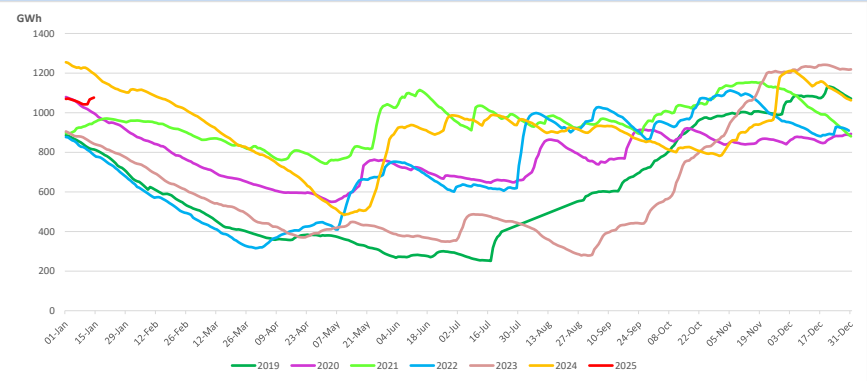


1.14 Major Incidents reported during the day

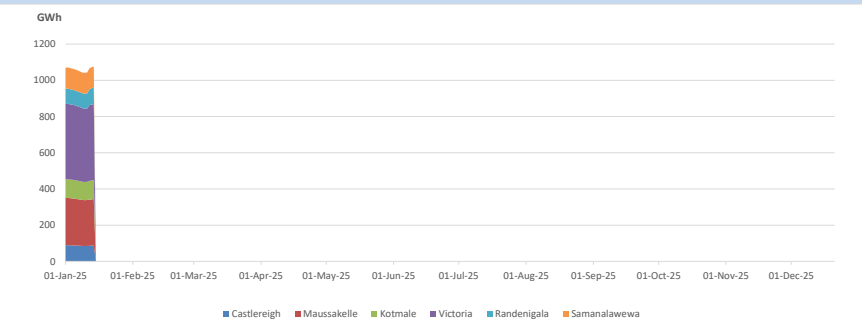
January 14, 2025

- Uma Oya Unit 02 made a forced shutdown at 10:28hrs for governor sump oil filling. The unit resumed generation at 11:01hrs.
- Chunnakam - Kilinochchi 132kV cct 01 tripped from both ends at 10:32hrs due to the operation of distance protection. At the same time, Chunnakam - Kilinochchi 132kV cct 02 tripped from Kilinochchi end, and tripped and A/R from Chunnakam end due to the operation of distance protection, causing Chunnakam GSS to be dead. Chunnakam - Kilinochchi 132kV cct 02 was normalized at 11:05 hrs, all affected 33kV feeders were normalized by 11:10hrs. Chunnakam - Kilinochchi 132kV cct 01 was normalized at 11:17hrs. Chunnakam - Kilinochchi 132kV cct 02 tripped and A/R from both ends at 12:05hrs due to the operation of distance protection.
- Seethawaka 132/33kV T/F 01, which was manually switched off on 13.01.2025, was normalized at 19:58hrs.
- Randenigala - Rantambe 220kV cct tripped from Randenigala end at 21:52hrs due to the operation of differential protection. At the same time, Rantambe Units 01 & 02 tripped, rejecting 50MW from the system, resulting Ampara, Mahiyanganaya and Vavunatu GSS to be dead (Rantambe 132kV BC was switched off due to system requirement). All affected GSSs and feeders were normalized by 22:32hrs via Rantambe 132kV BC. Randenigala - Rantambe 220kV cct was normalized by 23:44hrs.
- Uma Oya Puhulpola pond spilling started at 11:10hrs. Uma Oya Dyaaba pond spilling stopped at 13:25hrs and started again at 19:55hrs. Both Dyaaba and Puhulpola ponds spilling continues to the present hour.

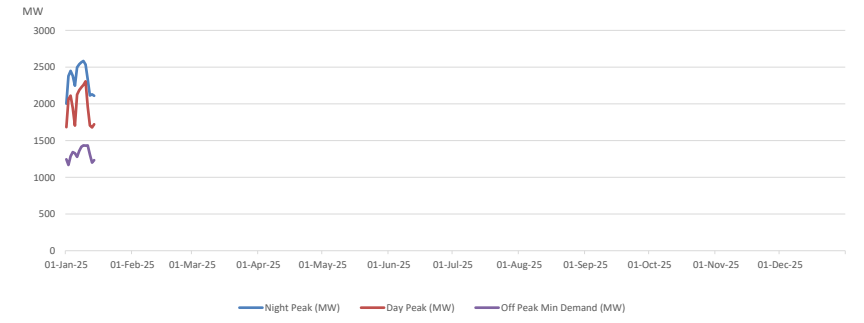
2. Comparison of Total Reservoir Storage Levels with Past Years



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

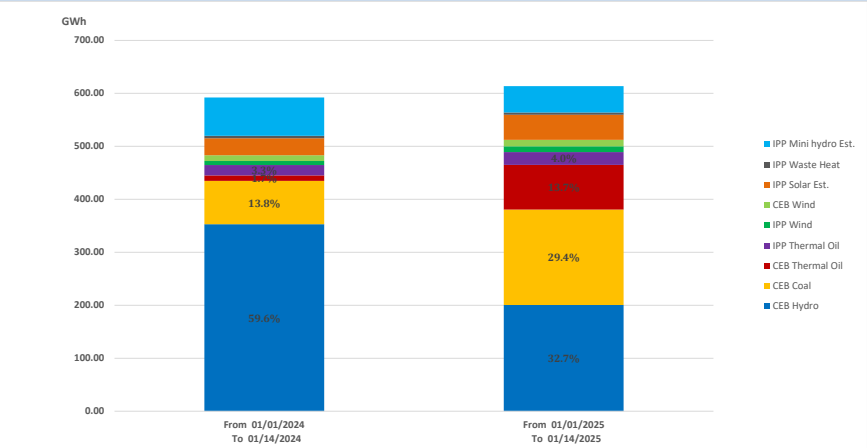


4. Variation of Demand during the current year



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 01/14/2024 592 GWh
From 01/01/2025 To 01/14/2025 614 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