

Generation and Reservoirs Statistics

January 3, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 3, 2025

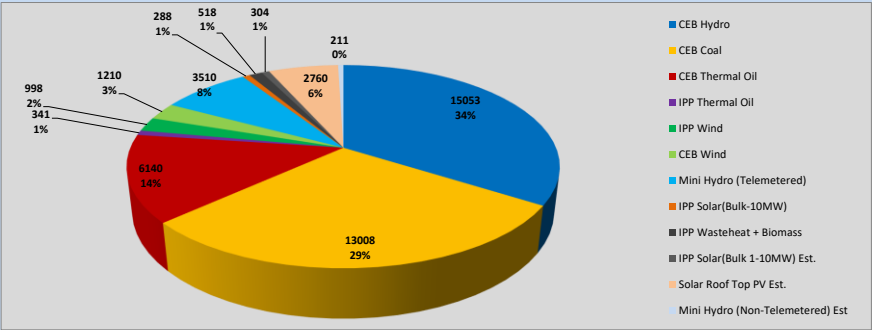


Table 01

	Generation (MWh)
CEB Hydro	15,053
CEB Coal	13,008
CEB Thermal Oil	6,140
IPP Thermal Oil	341
IPP Wind	998
CEB Wind	1,210
Mini Hydro (Telemetered)	3,510
IPP Solar (Bulk)	288
IPP Waste heat + Biomass	518
Total Generation (Excluding estimated figures)	41,066
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	211
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,760
Total Generation (Including estimated figures)	44,341

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	42	32.20%
CEB Coal	39	29.86%
CEB Thermal Oil	19	14.61%
IPP Thermal	1	1.12%
IPP Wind	3	2.35%
CEB Wind	4	3.09%
Mini Hydro *	10	8.04%
IPP Solar *	10	7.55%
IPP Waste heat + BMP	2	1.17%
Total	130	

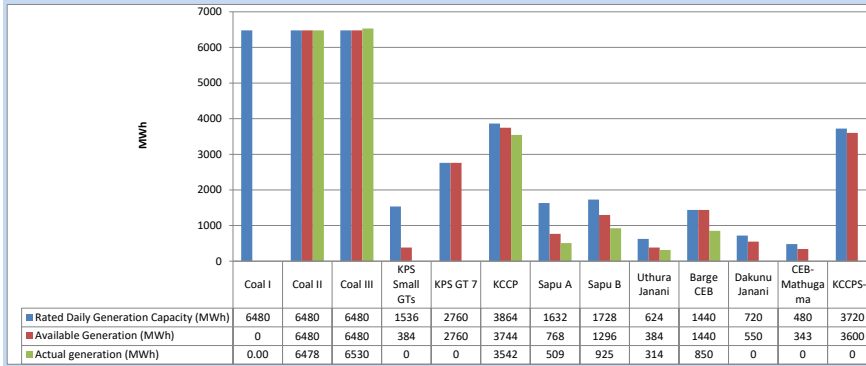
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	42	32.20%
CEB Coal	39	29.86%
CEB Thermal Oil	19	14.61%
IPP Thermal	1	1.12%
IPP Wind	3	2.35%
CEB Wind	4	3.09%
Mini Hydro *	10	8.04%
IPP Solar *	10	7.55%
IPP Waste heat	2	1.17%
Total	130	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 3, 2025

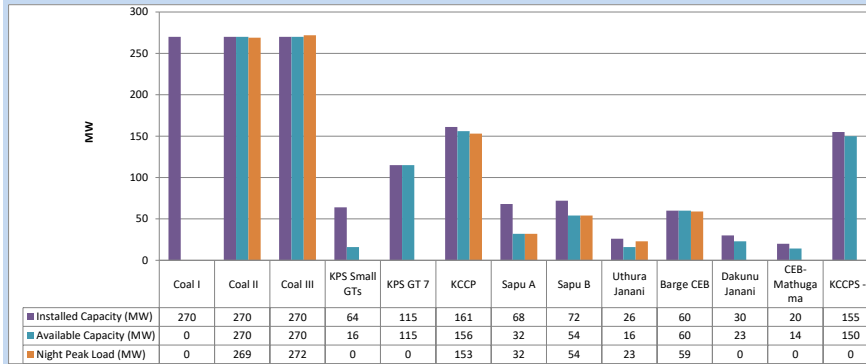


Available Generation is estimated based on plant availability at 6.00am on

January 4, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 3, 2025

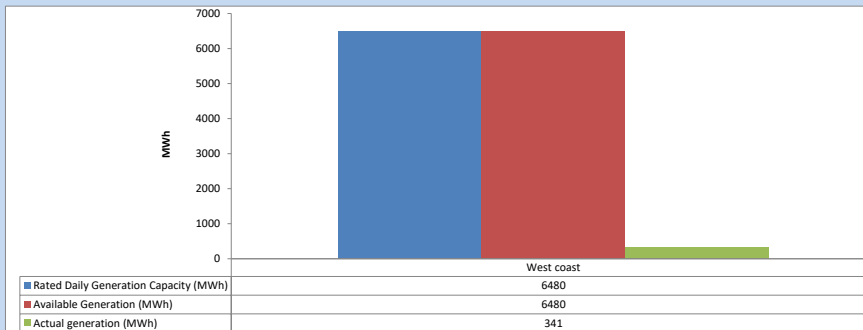


Plant availability is recorded at 6.00 am on

January 4, 2025

1.4 IPP owned Thermal Plant Dispatch

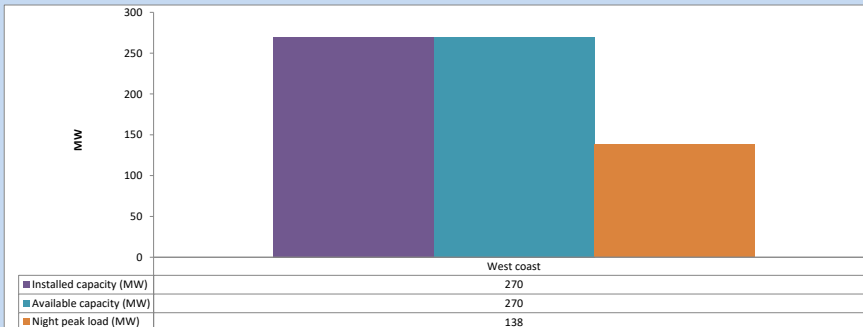
January 3, 2025



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

January 4, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

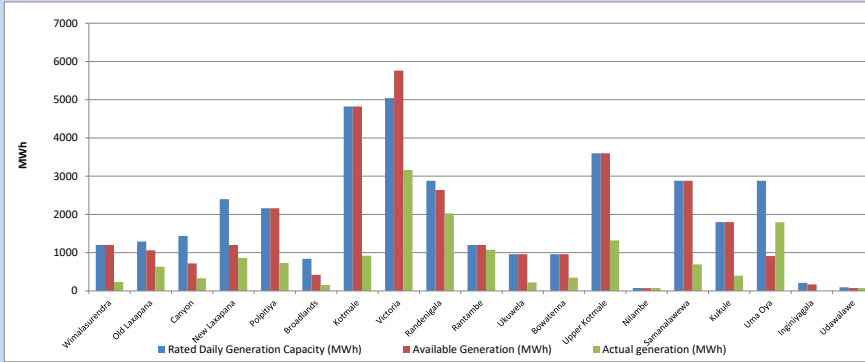


Plant availability is recorded at 6.00 am on

January 4, 2025

1.6 Major Hydro Plant Dispatch

January 3, 2025

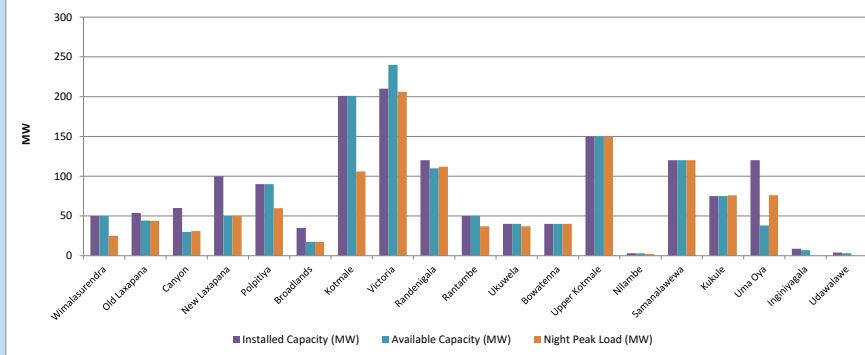


Available Generation is estimated based on plant availability at 6.00am on

January 4, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 3, 2025



Plant availability is recorded at 6.00 am on

January 4, 2025

1.8 Summary of Major Plant performance

January 3, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	235
Old Laxapana	54	44	44	631
Canyon	60	30	31	330
New Laxapana	100	50	50	862
Polpitiya	90	90	60	730
Broadlands	35	18	17	153
Kotmale	201	201	106	920
Victoria	210	240	206	3,163
Randenigala	120	110	112	2,024
Rantambe	50	50	37	1,078
Ukuwela	40	40	37	221
Bowatenna	40	40	40	345
Upper Kotmale	150	150	150	1,323
Nilambe	3	3	2	75
Samanalawewa	120	120	120	692
Kukule	75	75	76	400
Uma Oya	120	38	76	1,796
Inginigala	9	7	0	0
Udawalawe	4	3	0	75
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,478
Puttalam Coal III	270	270	272	6,530
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	153	3,542
Sapugaskanda A	68	32	32	509
Sapugaskanda B	72	54	54	925
Uthura Janani	26	16	23	314
Barge CEB	60	60	59	850
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	138	341
Sobadhanavi	220	212	0	0
Total	3,602	2,805	2,437	34,542

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 4, 2025

1.9 Contribution to the Night Peak in MW

January 3, 2025

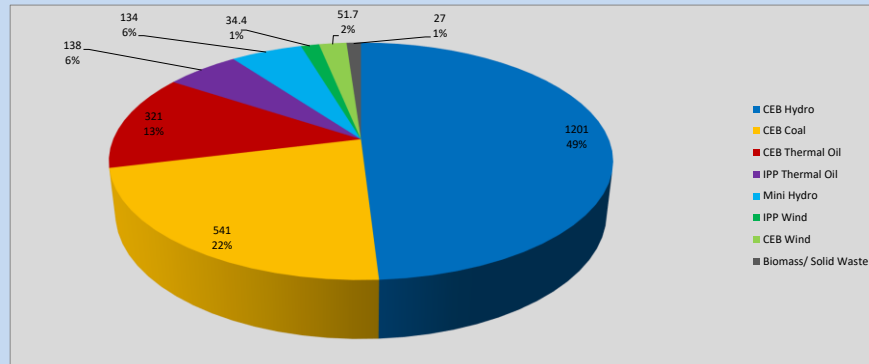


Table 05

CEB Hydro	1,201	MW
CEB Coal	541	MW
CEB Thermal Oil	321	MW
IPP Thermal Oil	138	MW
Mini Hydro (Telemetered)	134	MW
IPP Wind	34.4	MW
CEB Wind	51.7	MW
Biomass/ Solid Waste	27	MW

Recorded Peak Demand Data

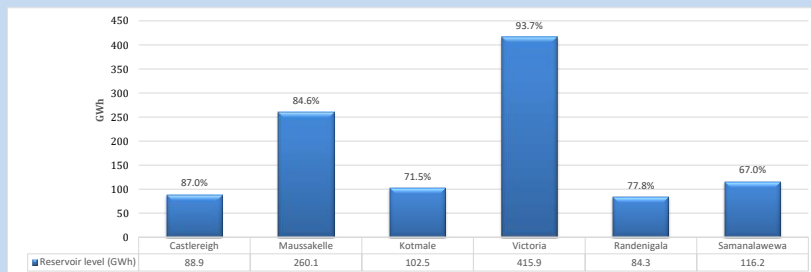
Table 06

Night Peak*	2,449	MW
Day Peak Maximum Demand	2,112	MW
Day Peak Minimum Demand	1,417	MW
Off Peak Minimum Demand	1,286	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 4, 2025



Total Reservoir Level
% of Total capacity

1,068 GWh
83.5%

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

January 3, 2025

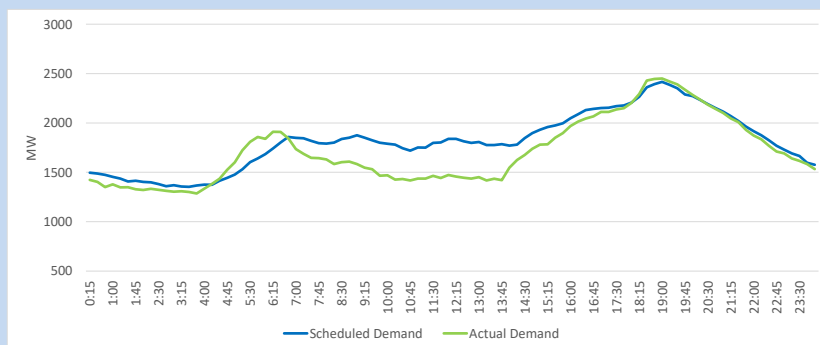
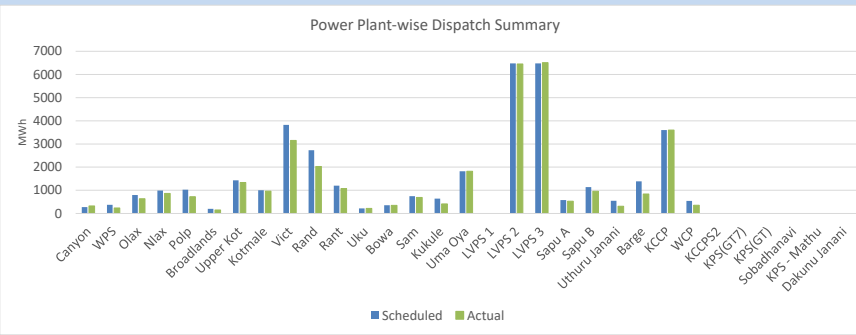


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	17,634	15,053	(2,581)
CEB Coal	12,960	13,008	48
CEB Thermal Oil	7,255	6,140	(1,115)
IPP Thermal Oil	543	341	(202)
NCRE (excluding non telemetered power plants)	5,147	6,524	1,377
Total	43,539	41,066	(2,473)

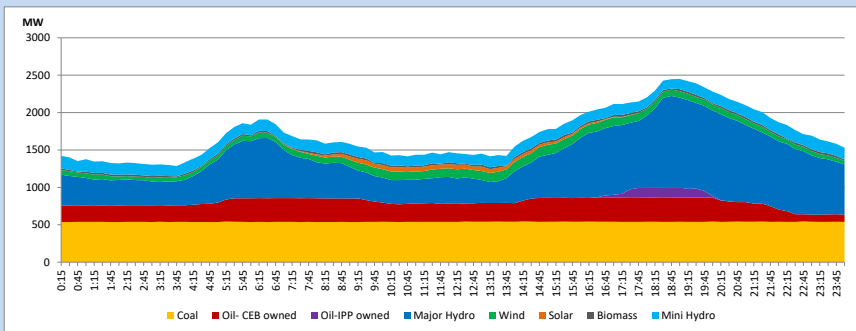
1.12 Power Plant-wise Dispatch Summary

January 3, 2025



1.13 Daily Load Curve

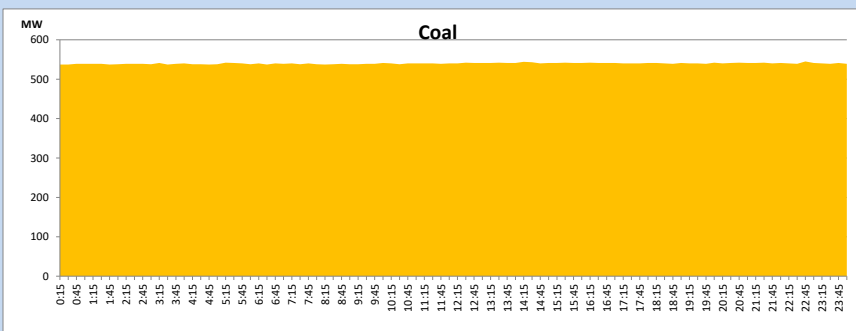
January 3, 2025



Solar and wind data is based on Telemetered Power Stations only

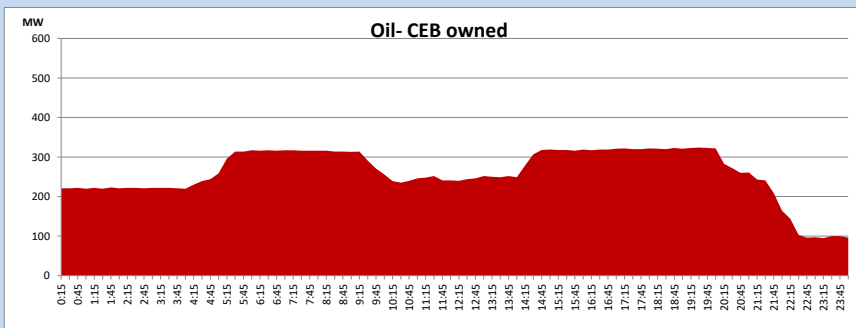
Coal Generation during

January 3, 2025



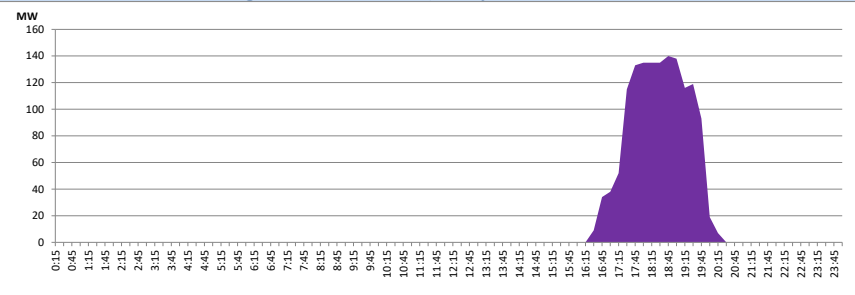
CEB Oil Plant Generation during

January 3, 2025



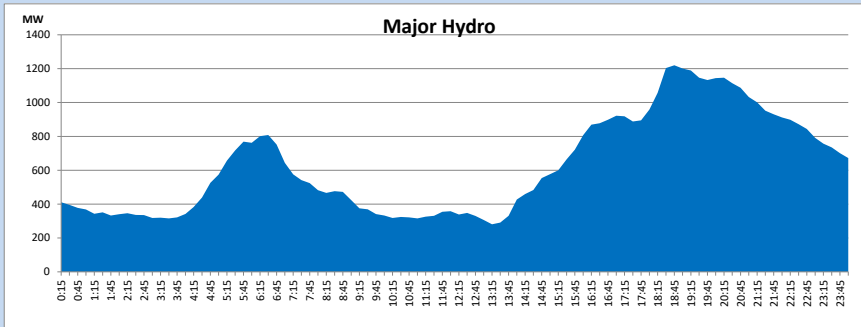
IPP Oil Plant Generation during

January 3, 2025



Major Hydro Generation during

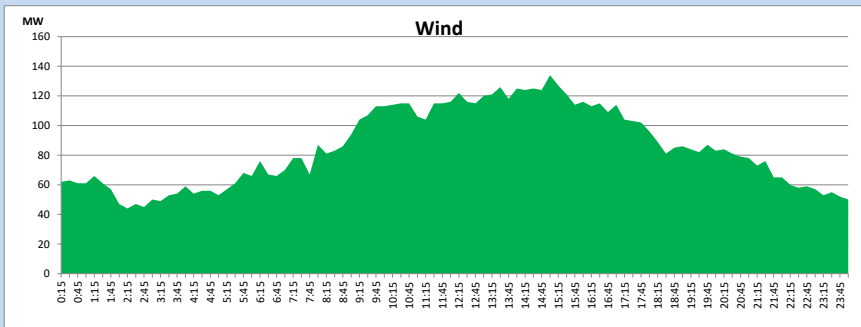
January 3, 2025



Wind Generation during

January 3, 2025

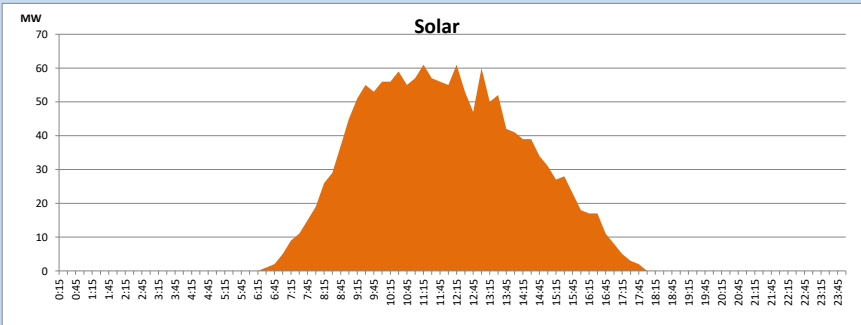
Based on Telemetered Power Stations only



Solar Generation during

January 3, 2025

Based on Telemetered Power Stations only

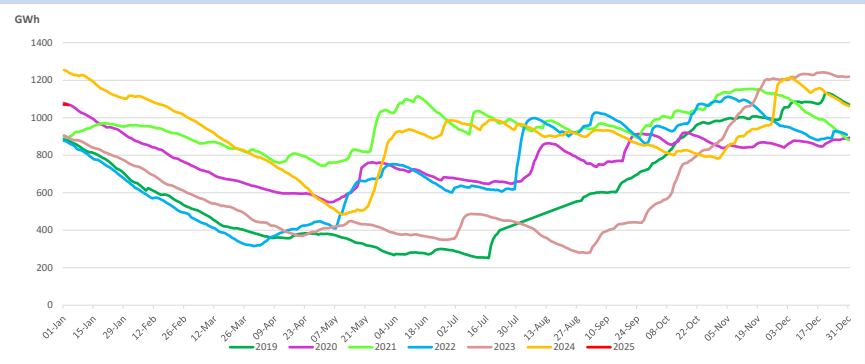


1.14 Major Incidents reported during the day

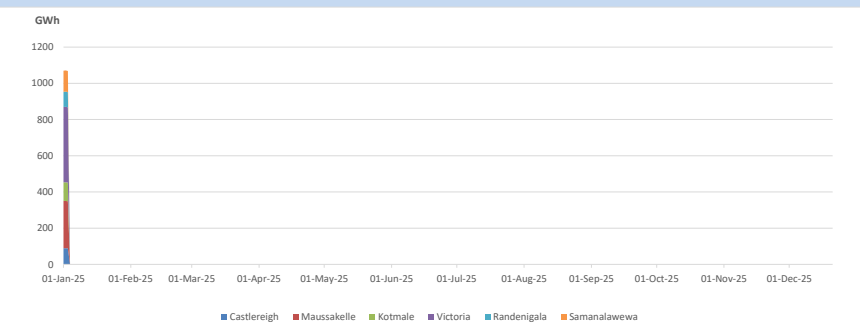
January 3, 2025

- 1) Uma Oya Unit 01 made a forced shutdown due to the repairing work of water leak from Nozzle number-03 at 00:05hrs (04.01.25). The unit is yet to resume generation.

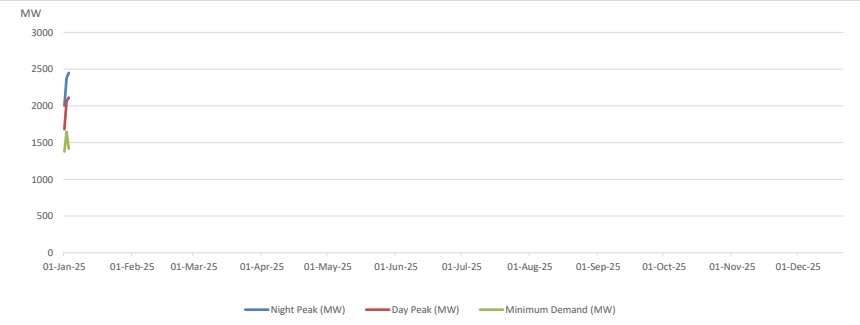
2. Comparison of Total Reservoir Storage Levels with Past Years



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

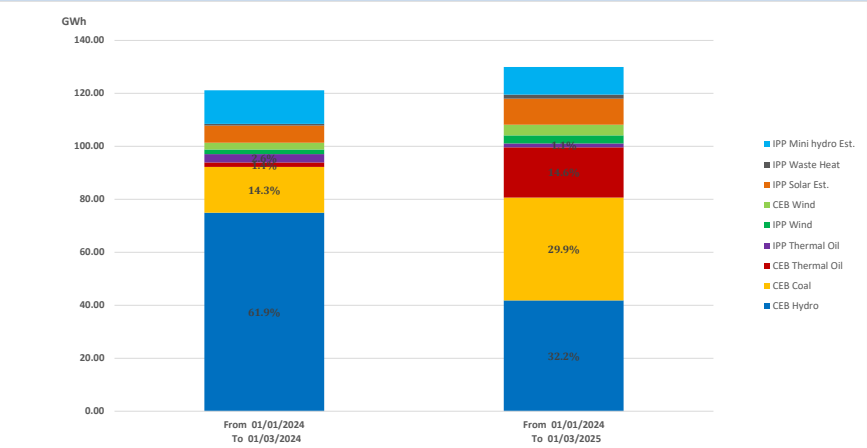


4. Variation of Demand during the current year



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 01/03/2024 121 GWh
From 01/01/2025 To 01/03/2025 130 GWh
The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants)
Unservd energy due to power cuts has been excluded in 2023

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 Capcity

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