

Generation and Reservoirs Statistics

January 4, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 4, 2025

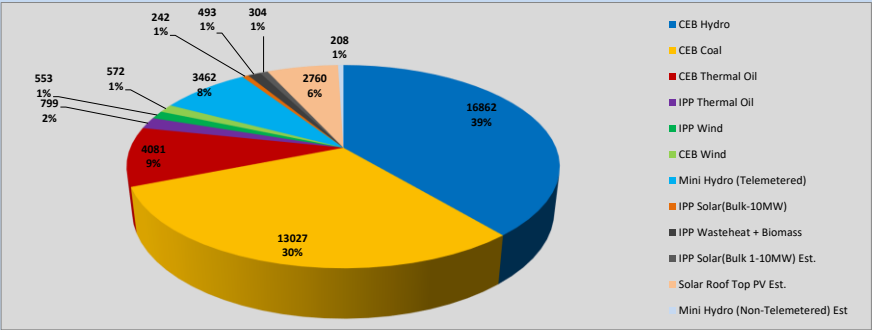


Table 01

	Generation (MWh)
CEB Hydro	16,862
CEB Coal	13,027
CEB Thermal Oil	4,081
IPP Thermal Oil	799
IPP Wind	553
CEB Wind	572
Mini Hydro (Telemetered)	3,462
IPP Solar (Bulk)	242
IPP Waste heat + Biomass	493
Total Generation (Excluding estimated figures)	40,091
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	208
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,760
Total Generation (Including estimated figures)	43,363

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	59	33.88%
CEB Coal	52	29.91%
CEB Thermal Oil	23	13.31%
IPP Thermal	2	1.30%
IPP Wind	4	2.08%
CEB Wind	5	2.64%
Mini Hydro *	14	8.15%
IPP Solar *	13	7.56%
IPP Waste heat + BMP	2	1.16%
Total	173	

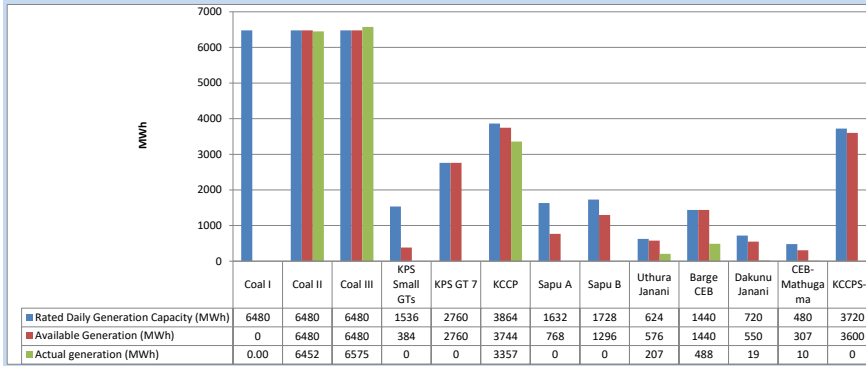
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	59	33.88%
CEB Coal	52	29.91%
CEB Thermal Oil	23	13.31%
IPP Thermal	2	1.30%
IPP Wind	4	2.08%
CEB Wind	5	2.64%
Mini Hydro *	14	8.15%
IPP Solar *	13	7.56%
IPP Waste heat	2	1.16%
Total	173	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 4, 2025

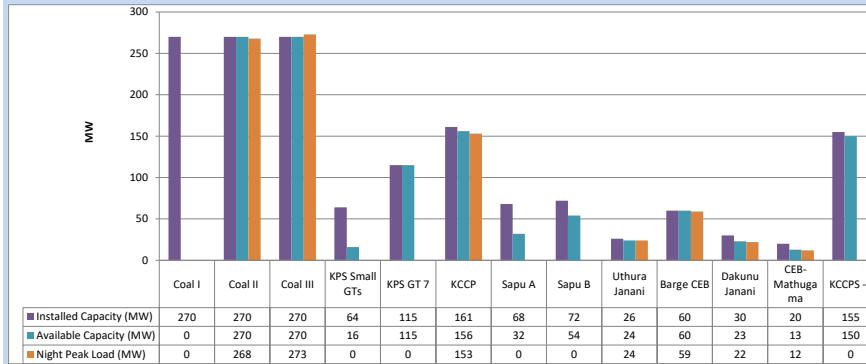


Available Generation is estimated based on plant availability at 6.00am on

January 5, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 4, 2025

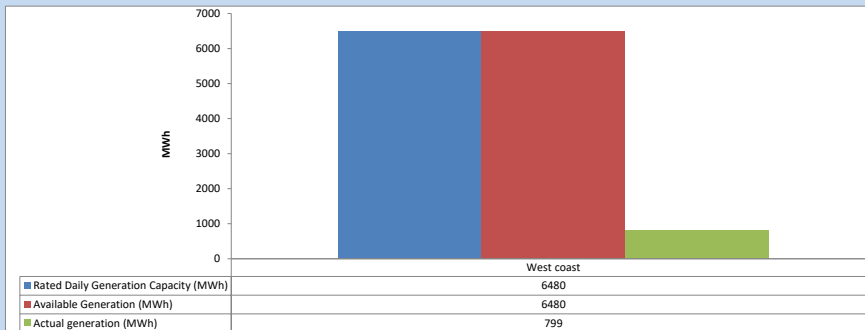


Plant availability is recorded at 6.00 am on

January 5, 2025

1.4 IPP owned Thermal Plant Dispatch

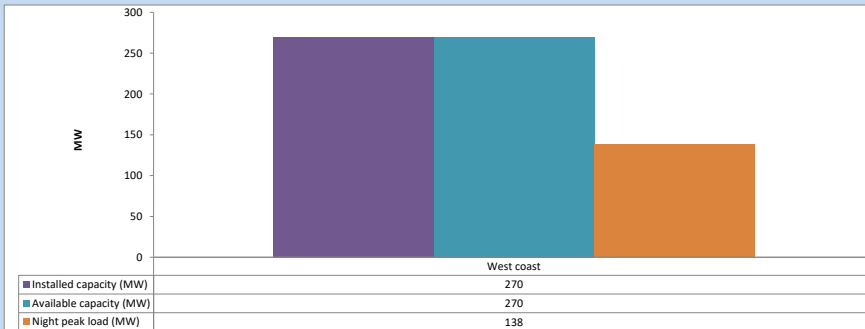
January 4, 2025



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

January 5, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

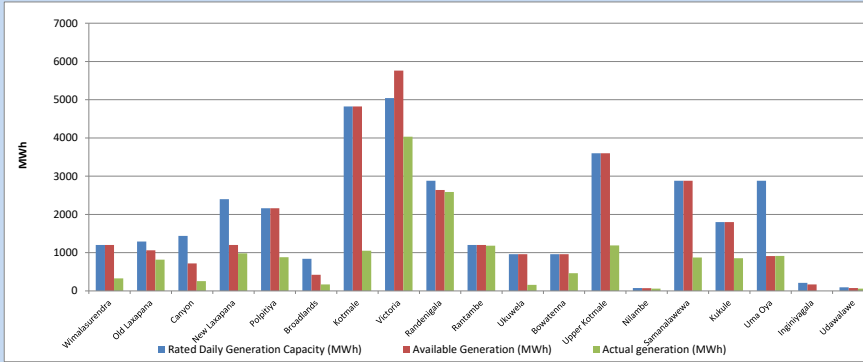


Plant availability is recorded at 6.00 am on

January 5, 2025

1.6 Major Hydro Plant Dispatch

January 4, 2025

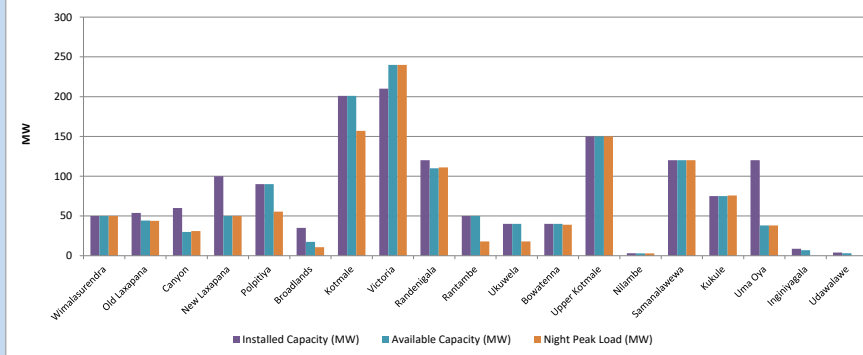


Available Generation is estimated based on plant availability at 6.00am on

January 5, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 4, 2025



Plant availability is recorded at 6.00 am on

January 5, 2025

1.8 Summary of Major Plant performance

January 4, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	329
Old Laxapana	54	44	44	818
Canyon	60	30	31	258
New Laxapana	100	50	50	982
Polpitiya	90	90	55	880
Broadlands	35	18	11	170
Kotmale	201	201	157	1,050
Victoria	210	240	240	4,033
Randenigala	120	110	111	2,586
Rantambe	50	50	18	1,182
Ukuwela	40	40	18	160
Bowatenna	40	40	39	463
Upper Kotmale	150	150	150	1,190
Nilambe	3	3	3	60
Samanalawewa	120	120	120	873
Kukule	75	75	76	853
Uma Oya	120	38	38	914
Inginigala	9	7	0	0
Udawalawe	4	3	0	62
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	268	6,452
Puttalam Coal III	270	270	273	6,575
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	153	3,357
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	0	0
Uthura Janani	26	24	24	207
Barge CEB	60	60	59	488
CEB-Hambantota	30	23	22	19
CEB-Mathugama	20	13	12	10
KCCPS-2	155	150	0	0
West Coast	270	270	138	799
Sobadhanavi	220	212	0	0
Total	3,602	2,812	2,349	34,770

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 5, 2025

1.9 Contribution to the Night Peak in MW

January 4, 2025

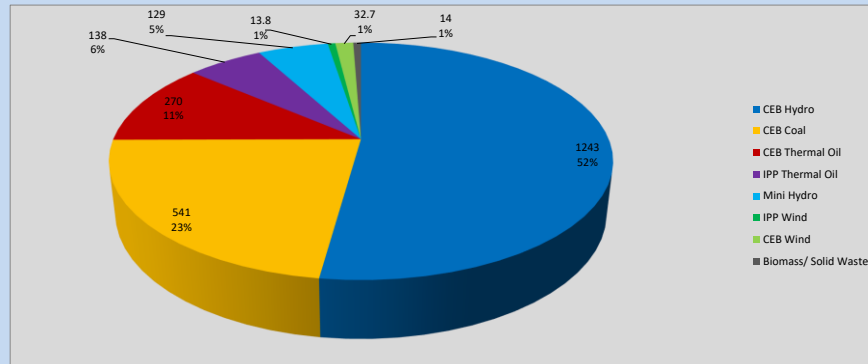


Table 05

CEB Hydro	1,243	MW
CEB Coal	541	MW
CEB Thermal Oil	270	MW
IPP Thermal Oil	138	MW
Mini Hydro (Telemetered)	129	MW
IPP Wind	13.8	MW
CEB Wind	32.7	MW
Biomass/ Solid Waste	14	MW

Recorded Peak Demand Data

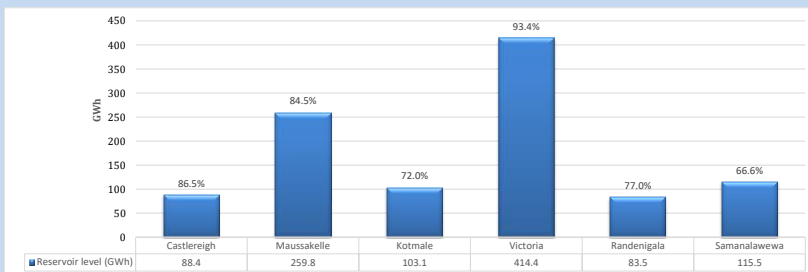
Table 06

Night Peak*	2,381	MW
Day Peak Maximum Demand	1,943	MW
Day Peak Minimum Demand	1,349	MW
Off Peak Minimum Demand	1,342	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 5, 2025



Total Reservoir Level
% of Total capacity

1,065 GWh
83.3%

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

January 4, 2025

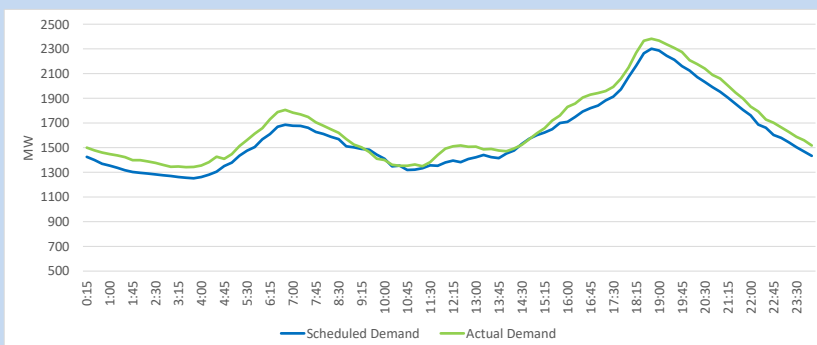
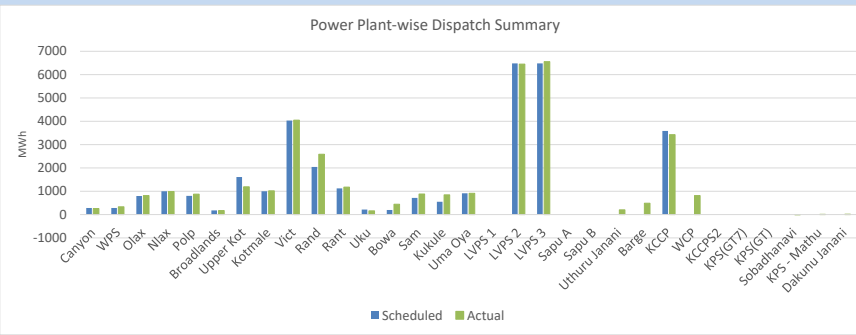


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	15,729	16,862	1,133
CEB Coal	12,960	13,027	67
CEB Thermal Oil	3,587	4,081	494
IPP Thermal Oil	-	799	799
NCRE (excluding non telemetered power plants)	5,993	5,322	(671)
Total	38,269	40,091	1,822

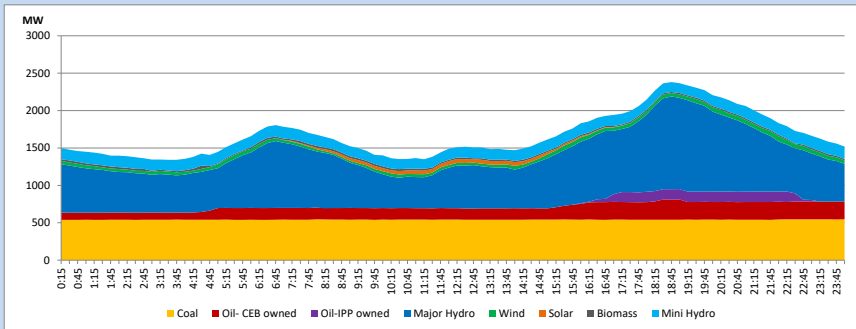
1.12 Power Plant-wise Dispatch Summary

January 4, 2025



1.13 Daily Load Curve

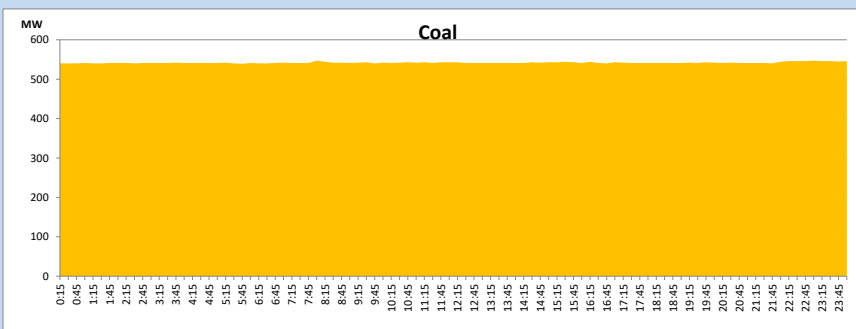
January 4, 2025



Solar and wind data is based on Telemetered Power Stations only

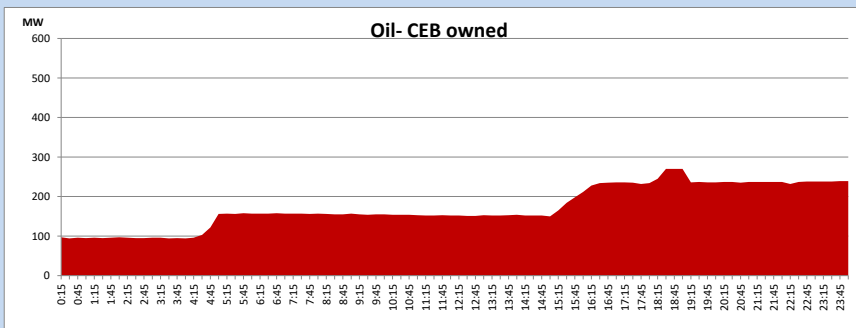
Coal Generation during

January 4, 2025



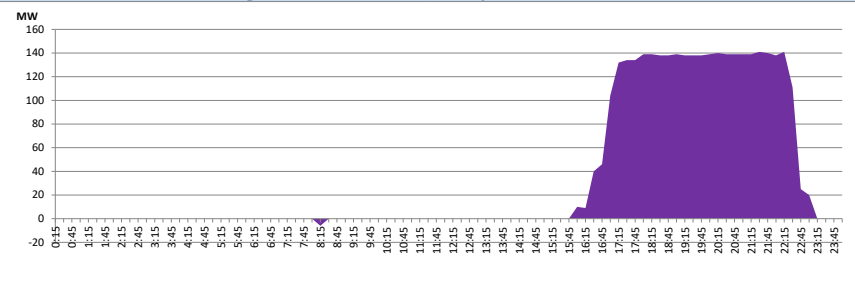
CEB Oil Plant Generation during

January 4, 2025



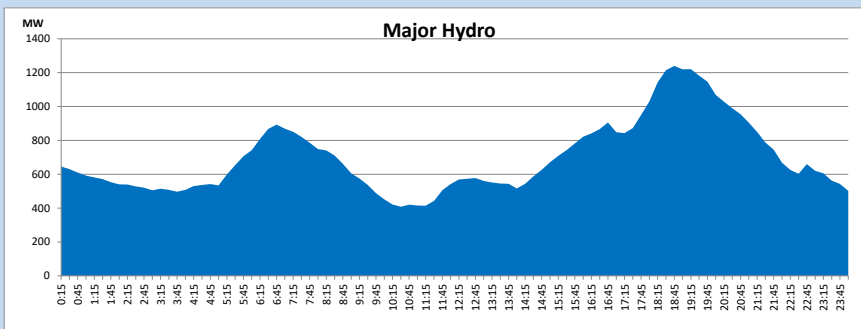
IPP Oil Plant Generation during

January 4, 2025



Major Hydro Generation during

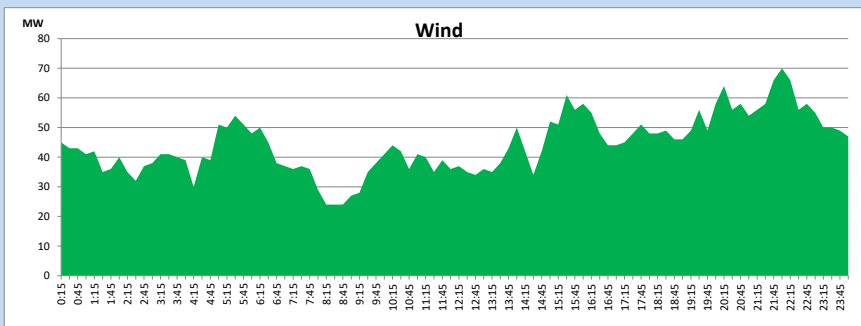
January 4, 2025



Wind Generation during

January 4, 2025

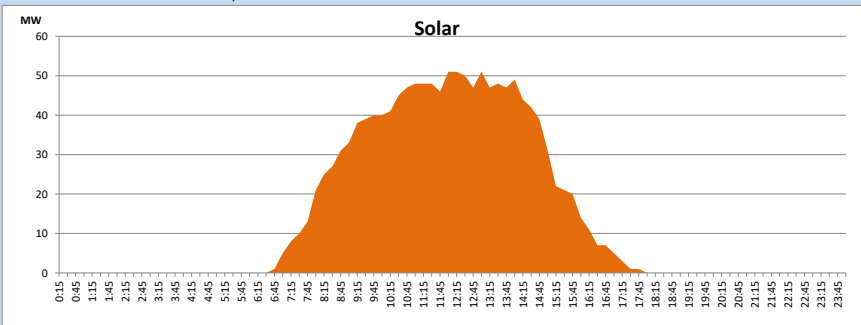
Based on Telemetered Power Stations only



Solar Generation during

January 4, 2025

Based on Telemetered Power Stations only

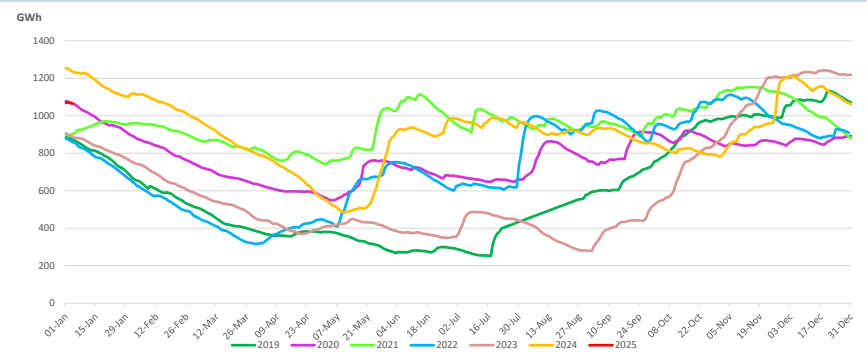


1.14 Major Incidents reported during the day

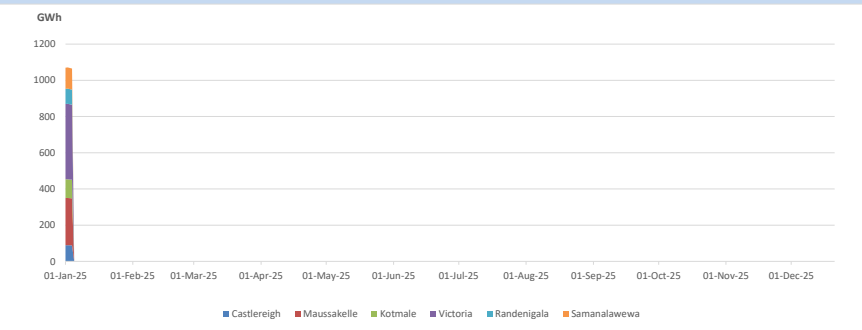
January 4, 2025

1) Uma Oya Dyraba Pond spilling started at 08:50hrs and stopped at 21:10hrs, and started again at 00:45hrs (05.01.2024) and continuous to the present hour.

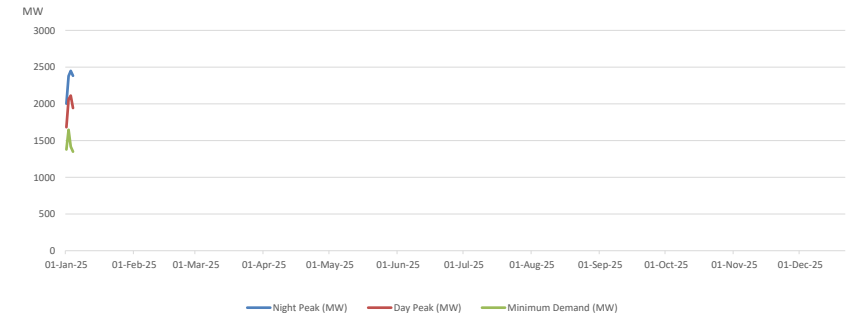
2. Comparison of Total Reservoir Storage Levels with Past Years



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

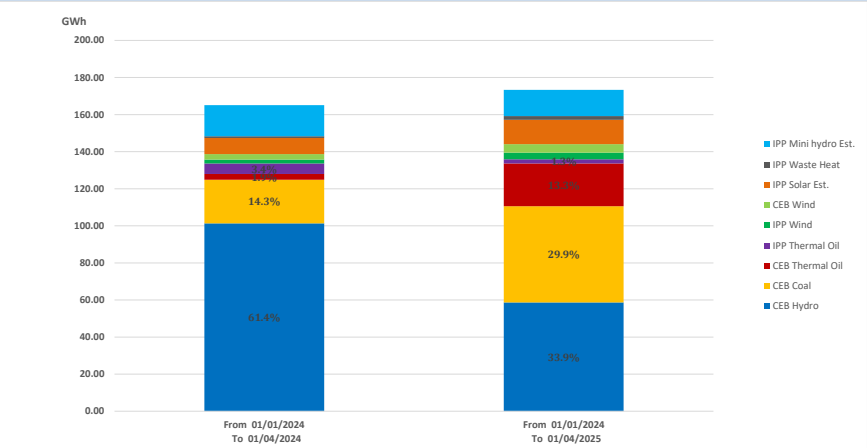


4. Variation of Demand during the current year



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 01/04/2024 165 GWh
From 01/01/2025 To 01/04/2025 173 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