

Generation and Reservoirs Statistics

January 6, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 6, 2025

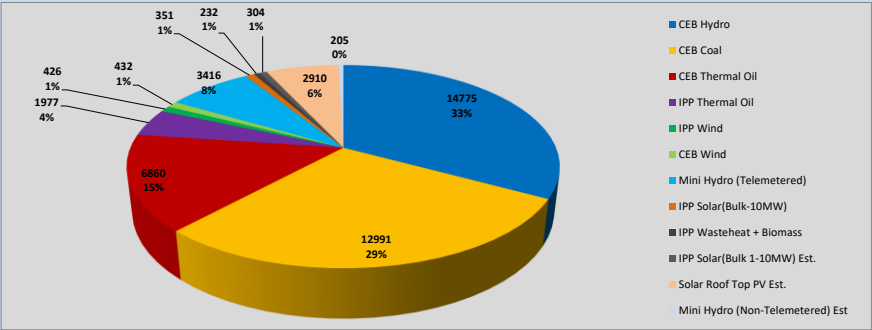


Table 01

	Generation (MWh)
CEB Hydro	14,775
CEB Coal	12,991
CEB Thermal Oil	6,860
IPP Thermal Oil	1,977
IPP Wind	426
CEB Wind	432
Mini Hydro (Telemetered)	3,416
IPP Solar (Bulk)	351
IPP Waste heat + Biomass	232
Total Generation (Excluding estimated figures)	41,460
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	205
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	44,879

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	87	33.80%
CEB Coal	77	29.97%
CEB Thermal Oil	34	13.38%
IPP Thermal	4	1.65%
IPP Wind	5	1.84%
CEB Wind	6	2.21%
Mini Hydro *	22	8.39%
IPP Solar *	20	7.78%
IPP Waste heat + BMP	3	0.98%
Total	257	

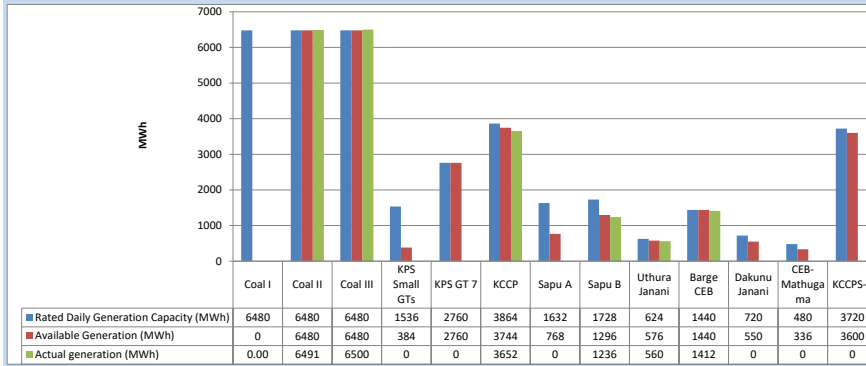
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	87	33.80%
CEB Coal	77	29.97%
CEB Thermal Oil	34	13.38%
IPP Thermal	4	1.65%
IPP Wind	5	1.84%
CEB Wind	6	2.21%
Mini Hydro *	22	8.39%
IPP Solar *	20	7.78%
IPP Waste heat	3	0.98%
Total	257	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 6, 2025

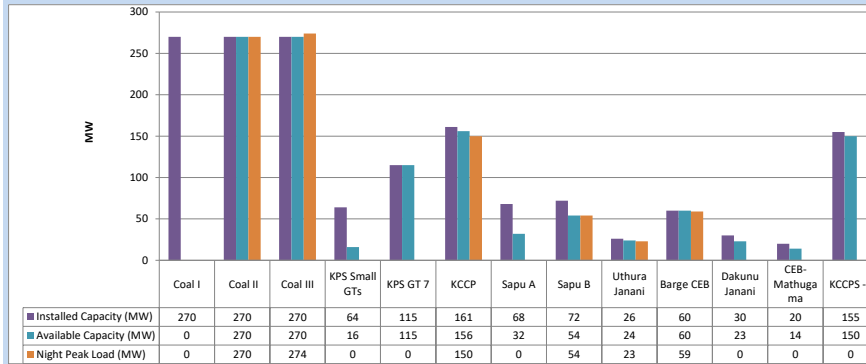


Available Generation is estimated based on plant availability at 6.00am on

January 7, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 6, 2025



Plant availability is recorded at 6.00 am on

January 7, 2025

1.4 IPP owned Thermal Plant Dispatch

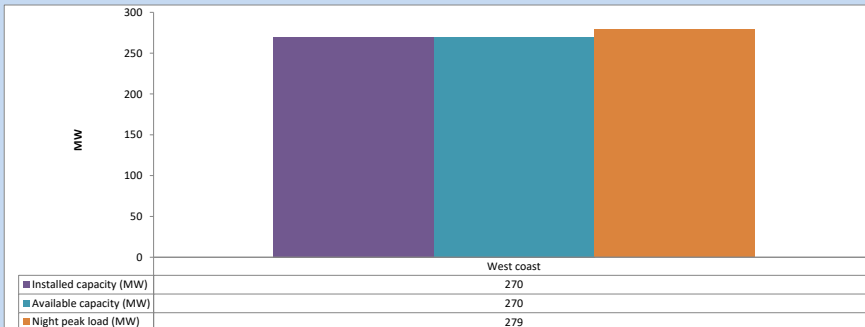
January 6, 2025



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

January 7, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

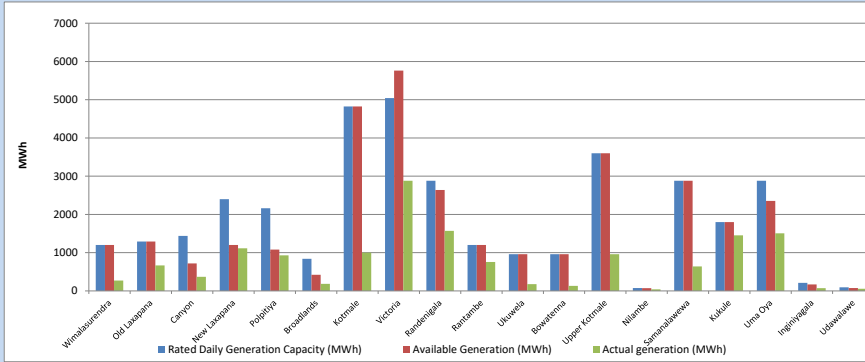


Plant availability is recorded at 6.00 am on

January 7, 2025

1.6 Major Hydro Plant Dispatch

January 6, 2025

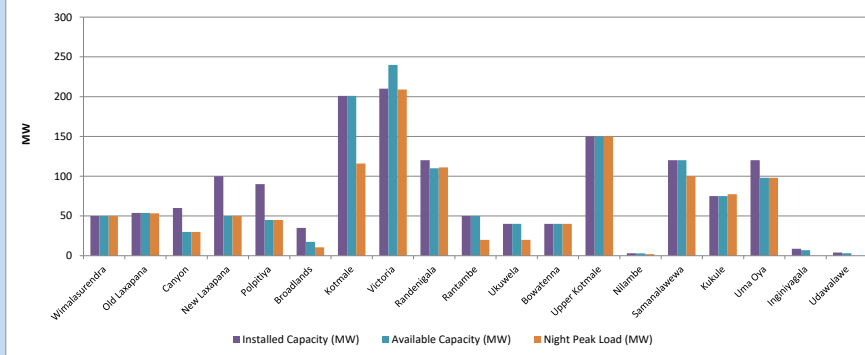


Available Generation is estimated based on plant availability at 6.00am on

January 7, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 6, 2025



Plant availability is recorded at 6.00 am on

January 7, 2025

1.8 Summary of Major Plant performance

January 6, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	270
Old Laxapana	54	54	53	667
Canyon	60	30	30	369
New Laxapana	100	50	50	1,115
Polpitiya	90	45	45	930
Broadlands	35	18	11	183
Kotmale	201	201	116	1,000
Victoria	210	240	209	2,881
Randenigala	120	110	111	1,569
Rantambe	50	50	20	758
Ukuwela	40	40	20	176
Bowatenna	40	40	40	131
Upper Kotmale	150	150	150	959
Nilambe	3	3	2	43
Samanalawewa	120	120	100	639
Kukule	75	75	77	1,452
Uma Oya	120	98	98	1,505
Inginigala	9	7	0	73
Udawalawe	4	3	0	55
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,491
Puttalam Coal III	270	270	274	6,500
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	150	3,652
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	54	1,236
Uthura Janani	26	24	23	560
Barge CEB	60	60	59	1,412
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	279	1,977
Sobadhanavi	220	212	0	0
Total	3,602	2,837	2,464	36,603

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 7, 2025

1.9 Contribution to the Night Peak in MW

January 6, 2025

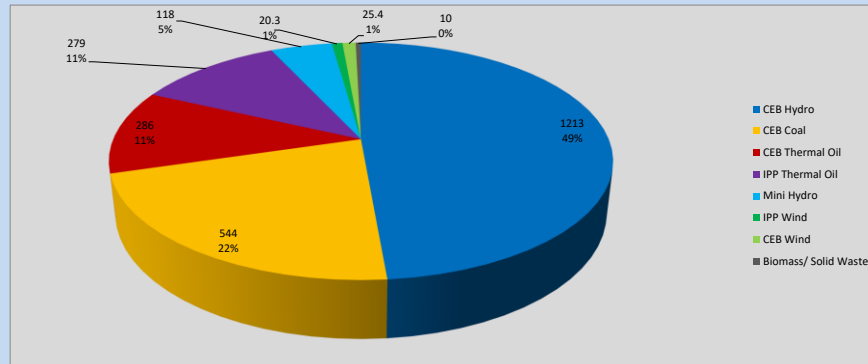


Table 05

CEB Hydro	1,213	MW
CEB Coal	544	MW
CEB Thermal Oil	286	MW
IPP Thermal Oil	279	MW
Mini Hydro (Telemetered)	118	MW
IPP Wind	20.3	MW
CEB Wind	25.4	MW
Biomass/ Solid Waste	10	MW

Recorded Peak Demand Data

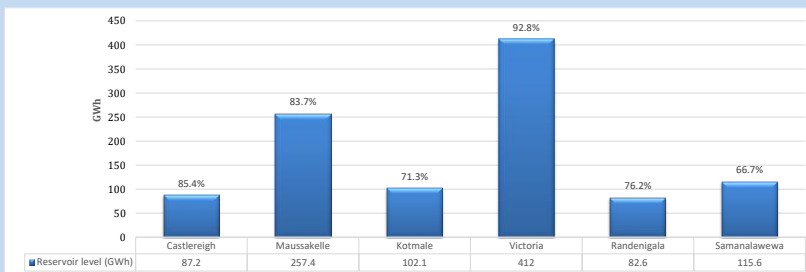
Table 06

Night Peak*	2,495	MW
Day Peak Maximum Demand	2,125	MW
Day Peak Minimum Demand	1,409	MW
Off Peak Minimum Demand	1,279	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 7, 2025



Total Reservoir Level
% of Total capacity

1,057 GWh
82.7%

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

January 6, 2025

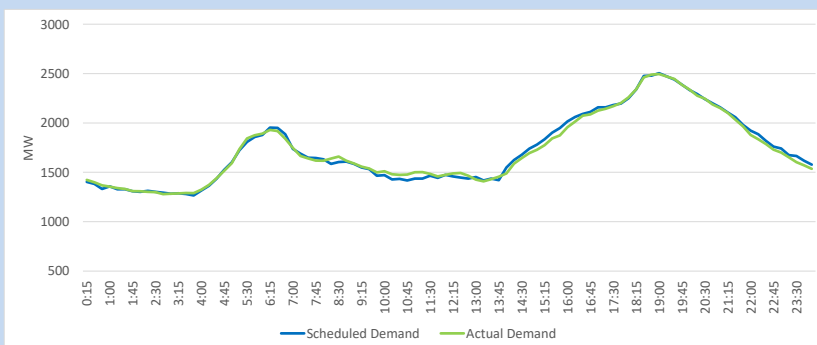
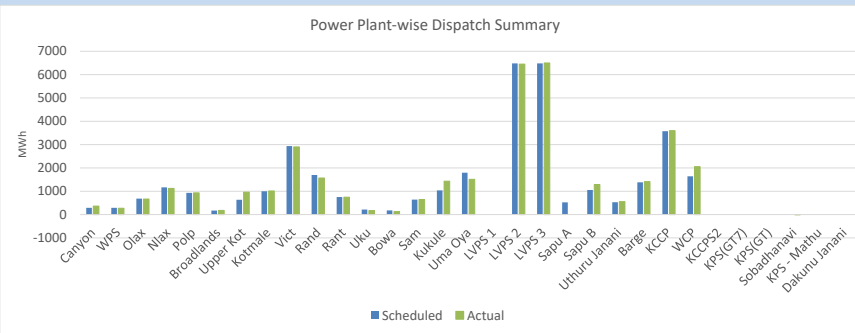


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	14,417	14,775	358
CEB Coal	12,960	12,991	31
CEB Thermal Oil	7,071	6,860	(211)
IPP Thermal Oil	1,640	1,977	337
NCRE (excluding non telemetered power plants)	5,369	4,857	(512)
Total	41,458	41,460	2

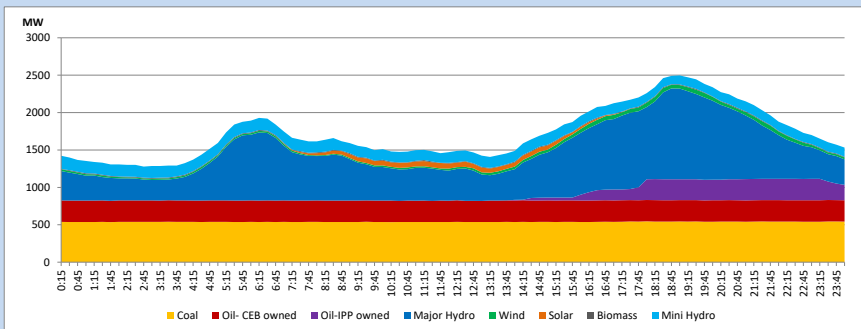
1.12 Power Plant-wise Dispatch Summary

January 6, 2025



1.13 Daily Load Curve

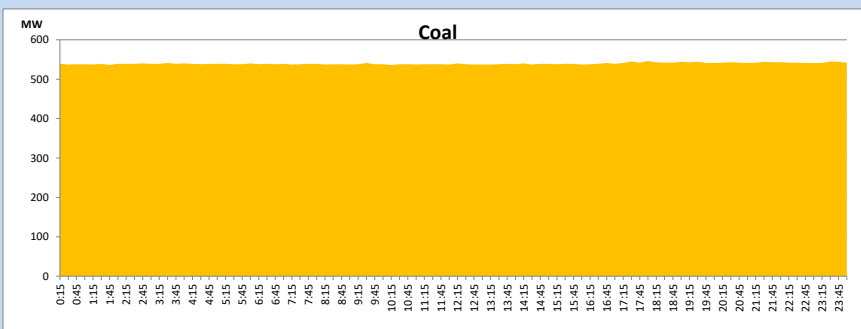
January 6, 2025



Solar and wind data is based on Telemetered Power Stations only

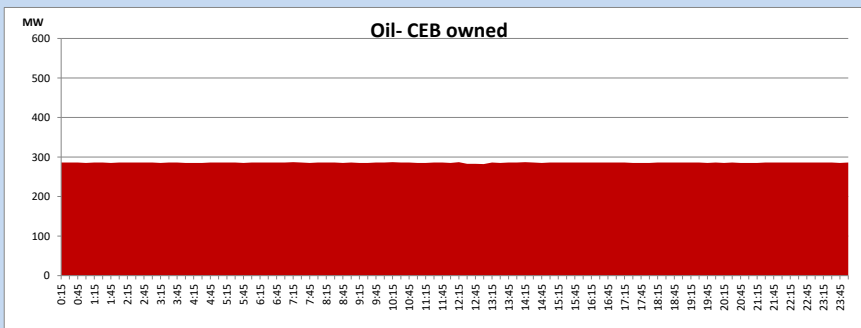
Coal Generation during

January 6, 2025



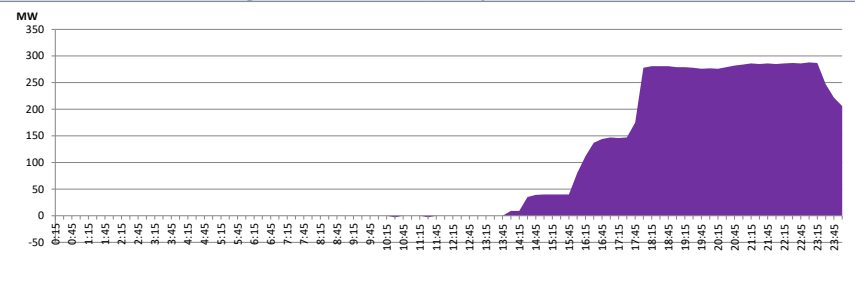
CEB Oil Plant Generation during

January 6, 2025



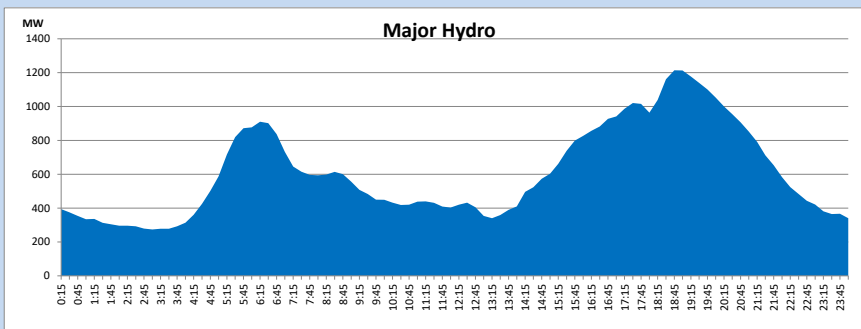
IPP Oil Plant Generation during

January 6, 2025



Major Hydro Generation during

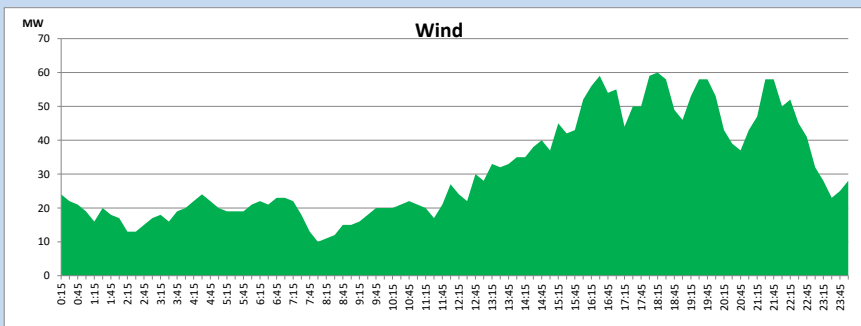
January 6, 2025



Wind Generation during

January 6, 2025

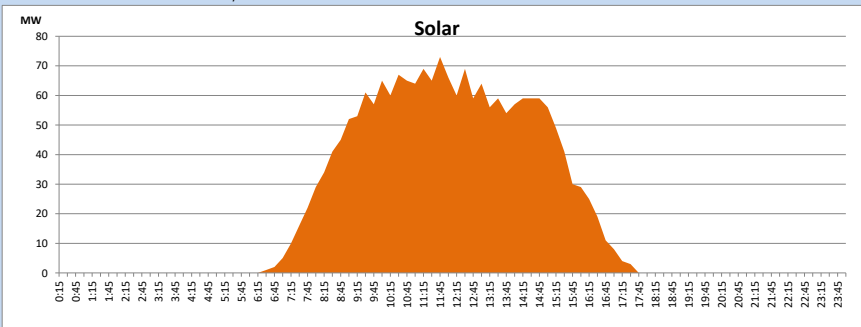
Based on Telemetered Power Stations only



Solar Generation during

January 6, 2025

Based on Telemetered Power Stations only



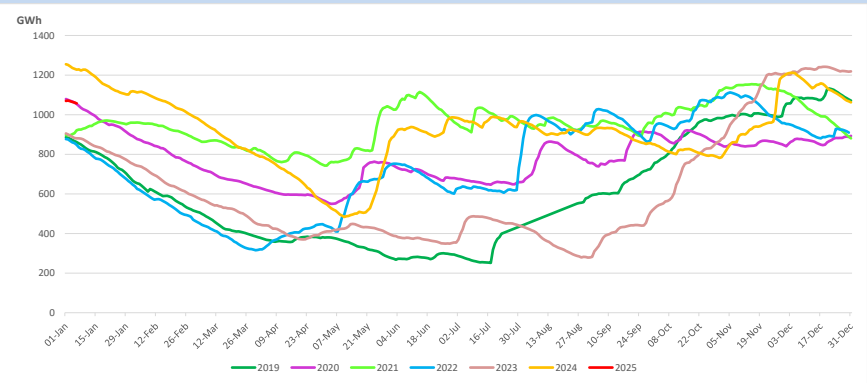
1.14 Major Incidents reported during the day

January 6, 2025

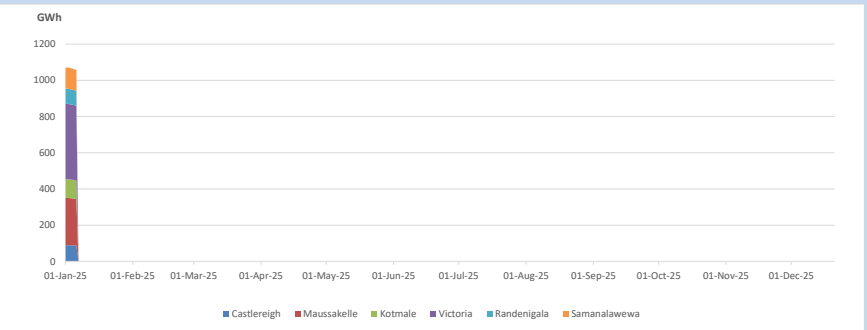
1) Wimalasurendra GSS 132/33kV T/F 01 tripped from both ends at 6:42hrs with an indication of LV restricted ground fault. At the same time, O'Laxapana - Wimalasurendra GSS 132kV cct 01, WPS Gen 02 132kV CB, and 132kV BS CB tripped, causing Wimalasurendra GSS 132kV BS 01 to be dead. Wimalasurendra GSS 132kVBS CB, O'Laxapana - Wimalasurendra GSS cct 01, and WPS Gen 02 132kV CB normalized at 9:34hrs, 9:36hrs, and 9:45hrs, respectively. Wimalasurendra GSS 132/33kV T/F 01 was normalized at 12:35hrs.

2) Polpitiva Unit 02 was released for annual maintenance from 9:45hrs.

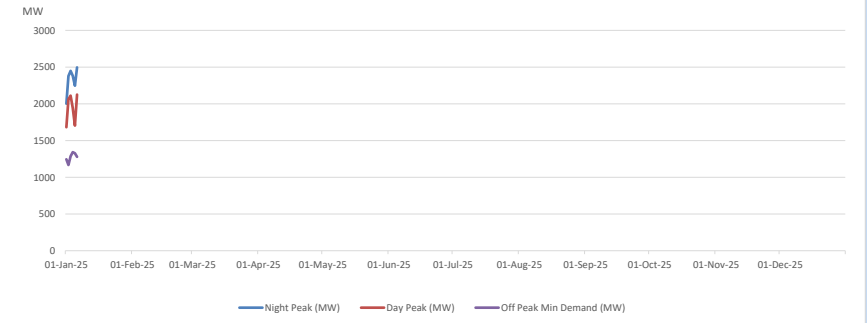
2. Comparison of Total Reservoir Storage Levels with Past Years



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

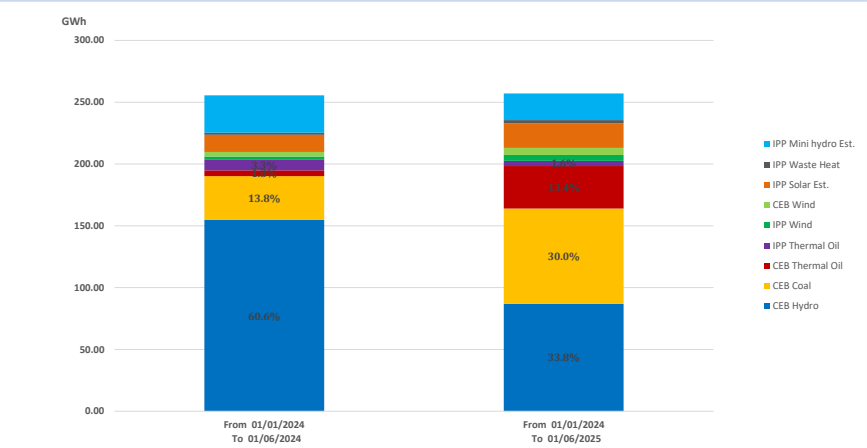


4. Variation of Demand during the current year



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 01/06/2024 256 GWh
From 01/01/2025 To 01/06/2025 257 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