

Generation and Reservoirs Statistics

October 26, 2024



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

October 26, 2024

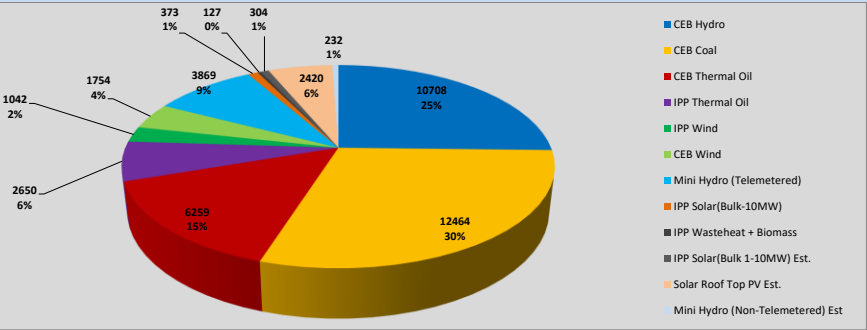


Table 01

	Generation (MWh)
CEB Hydro	10708
CEB Coal	12464
CEB Thermal Oil	6259
IPP Thermal Oil	2650
IPP Wind	1042
CEB Wind	1754
Mini Hydro (Telemetered)	3869
IPP Solar (Bulk)	373
IPP Waste heat + Biomass	127
Total Generation (Excluding estimated figures)	39,246
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	232
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2420
Total Generation (Including estimated figures)	42,202

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	330	28.67%
CEB Coal	336	29.16%
CEB Thermal Oil	167	14.49%
IPP Thermal	111	9.66%
IPP Wind	20	1.75%
CEB Wind	26	2.23%
Mini Hydro *	77	6.67%
IPP Solar *	79	6.89%
IPP Waste heat + BMP	5	0.47%
Total	1,151	

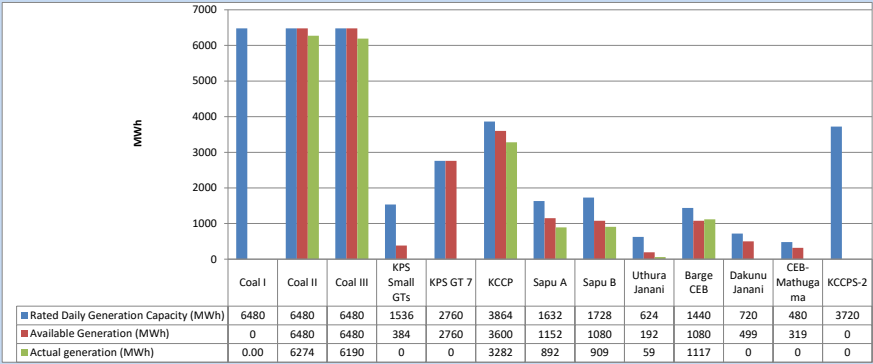
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	4,184	30.79%
CEB Coal	4,736	34.85%
CEB Thermal Oil	1,368	10.07%
IPP Thermal	674	4.96%
IPP Wind	332	2.44%
CEB Wind	344	2.53%
Mini Hydro *	1,006	7.41%
IPP Solar *	826	6.07%
IPP Waste heat	120	0.88%
Total	13,589	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

October 26, 2024

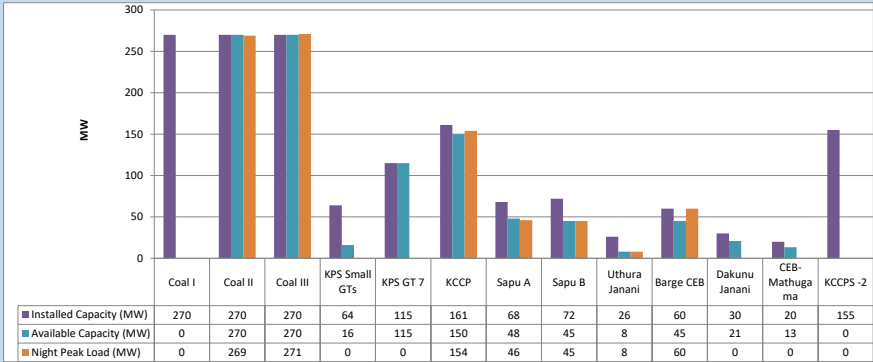


Available Generation is estimated based on plant availability at 6.00am on

October 27, 2024

1.3 CEB owned Thermal Plant Loading at the Night Peak

October 26, 2024

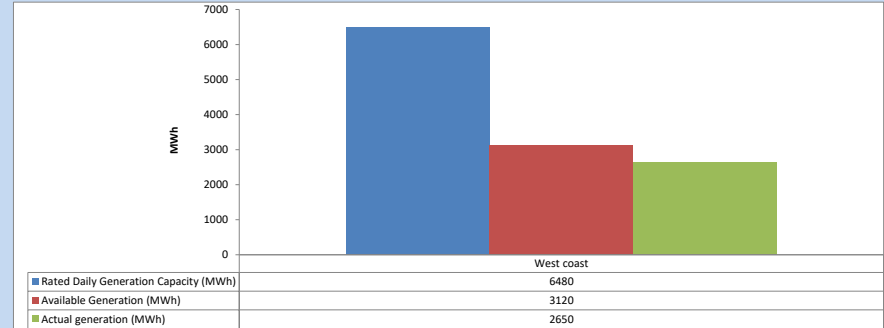


Plant availability is recorded at 6.00 am on

October 27, 2024

1.4 IPP owned Thermal Plant Dispatch

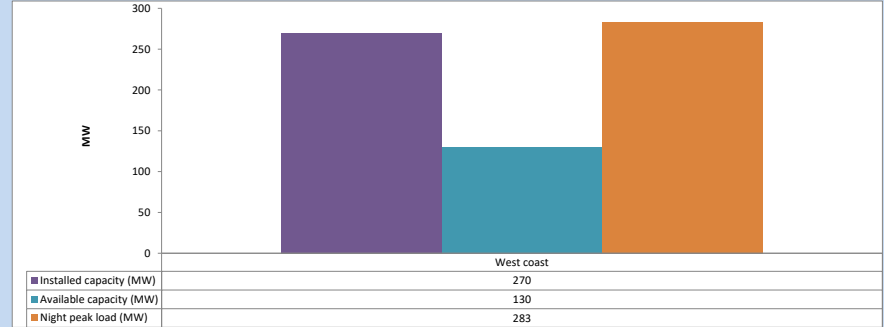
October 26, 2024



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

October 27, 2024

1.5 IPP owned Thermal Plant Loading at the Night Peak

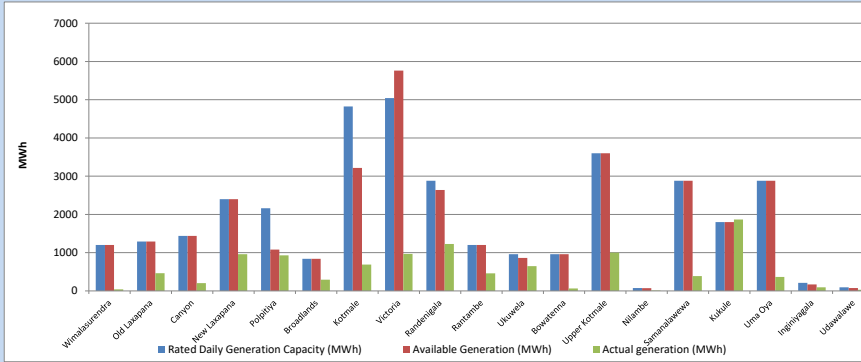


Plant availability is recorded at 6.00 am on

October 27, 2024

1.6 Major Hydro Plant Dispatch

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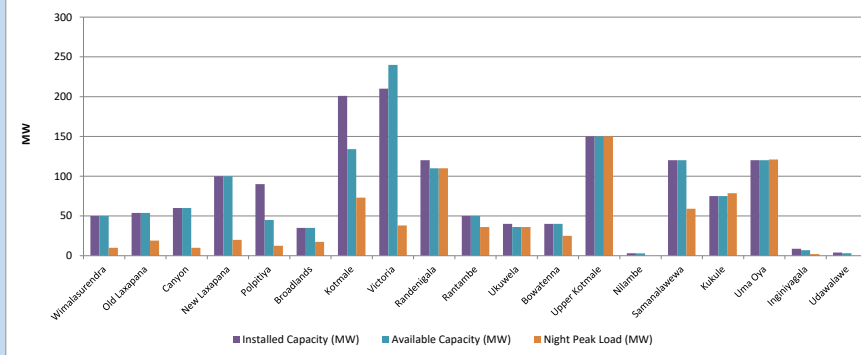


Available Generation is estimated based on plant availability at 6.00am on

October 27, 2024

1.7 Major Hydro Plant Loading at Night Peak

October 26, 2024



Plant availability is recorded at 6.00 am on

October 27, 2024

1.8 Summary of Major Plant performance

October 26, 2024

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	40
Old Laxapana	54	54	19	465
Canyon	60	60	10	204
New Laxapana	100	100	20	962
Polpitiya	90	45	13	930
Broadlands	35	35	17	293
Kotmale	201	134	73	690
Victoria	210	240	38	966
Randenigala	120	110	110	1,227
Rantambe	50	50	36	458
Ukuwela	40	36	36	648
Bowatenna	40	40	25	65
Upper Kotmale	150	150	150	1,002
Nilambe	3	3	0	13
Samanalawewa	120	120	59	387
Kukule	75	75	79	1,866
Uma Oya	120	120	121	366
Inginigala	9	7	2	95
Udawalawe	4	3	0	32
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,274
Puttalam Coal III	270	270	271	6,190
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	150	154	3,282
Sapugaskanda A	68	48	46	892
Sapugaskanda B	72	45	45	909
Uthura Janani	26	8	8	59
Barge CEB	60	45	60	1,117
CEB-Hambantota	30	21	0	0
CEB-Mathugama	20	13	0	0
KCCPS-2	155	0	0	0
West Coast	270	130	283	2,650
Sobadhanavi	220	0	0	0
Total	3,602	2,775	2,263	39,247

Note-

Plant availability is the availability recorded at 6 am on

October 27, 2024

1.9 Contribution to the Night Peak in MW

October 26, 2024

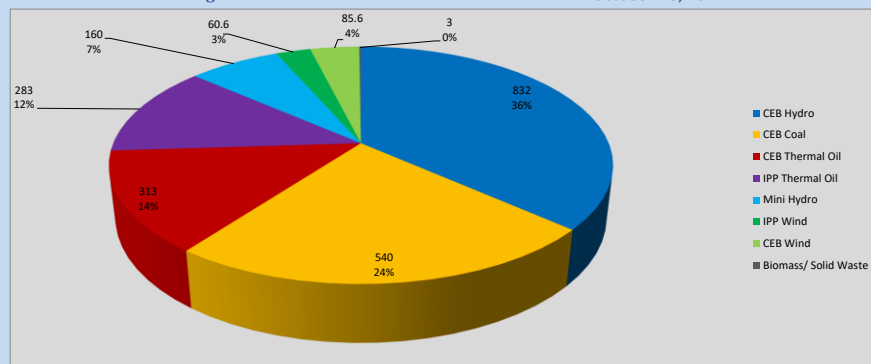


Table 05

CEB Hydro	832	MW
CEB Coal	540	MW
CEB Thermal Oil	313	MW
IPP Thermal Oil	283	MW
Mini Hydro (Telemetered)	160	MW
IPP Wind	60.6	MW
CEB Wind	85.6	MW
Biomass/ Solid Waste	3	MW

Recorded Peak Demand Data

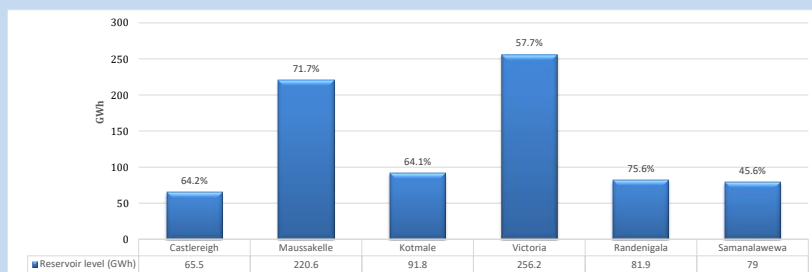
Table 06

Night Peak*	2,277	MW
Day Peak Maximum Demand	1,949	MW
Day Peak Minimum Demand	1,315	MW
Off Peak Minimum Demand	1,345	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 October 27, 2024



Total Reservoir Level
795 GWh
% of Total capacity
62.2%

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

October 26, 2024

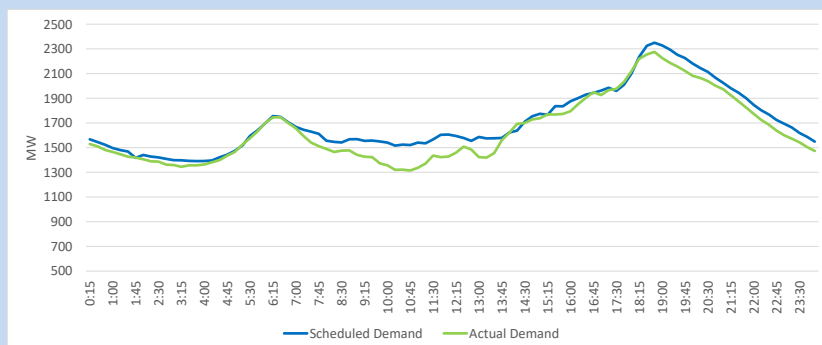
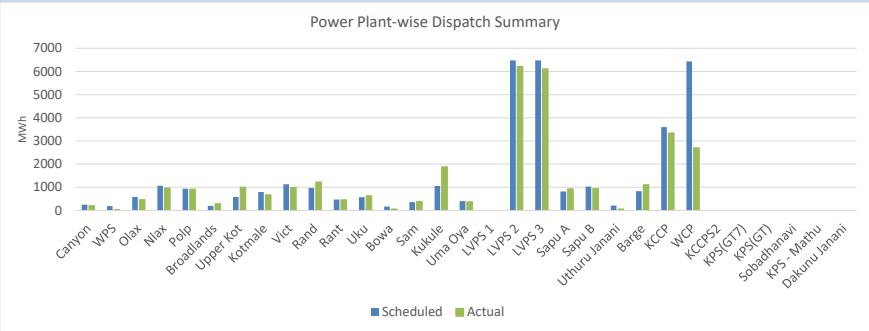


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	9,746	10,608	861
CEB Coal	12,953	12,327	(626)
CEB Thermal Oil	6,492	6,398	(94)
IPP Thermal Oil	6,434	2,702	(3,732)
NCRE (Telemetered)	5,322	7,348	2,026
Total	40,948	39,383	(1,565)

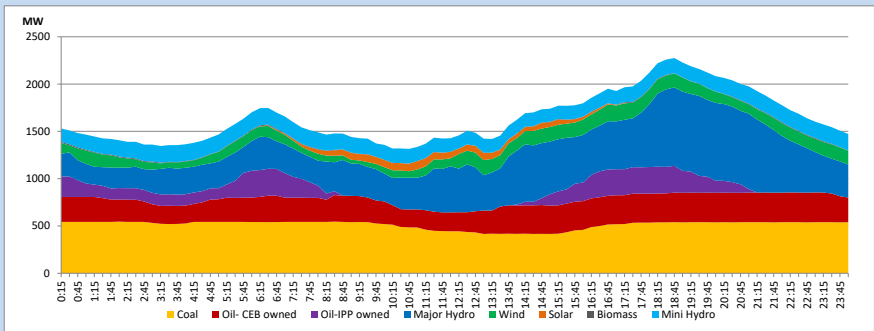
1.12 Power Plant-wise Dispatch Summary

October 26, 2024



1.13 Daily Load Curve

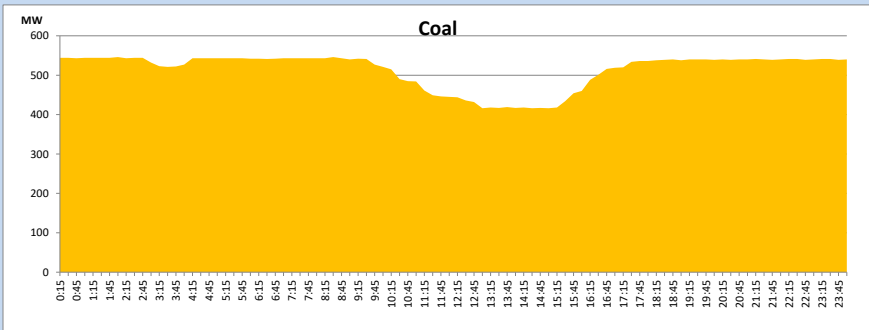
October 26, 2024



Solar and wind data is based on Telemetered Power Stations only

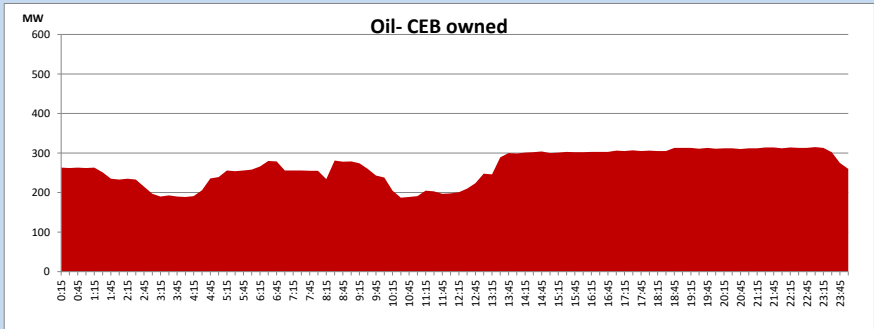
Coal Generation during

October 26, 2024



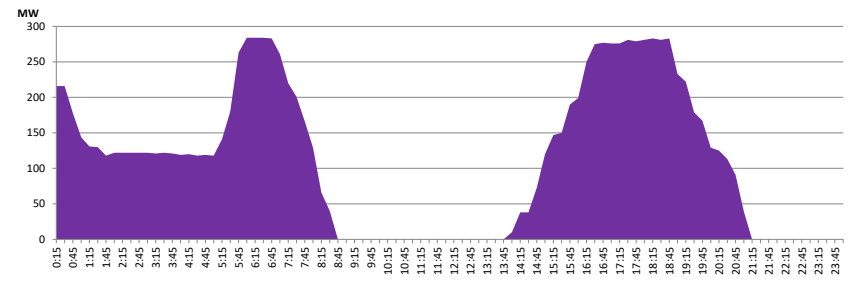
CEB Oil Plant Generation during

October 26, 2024



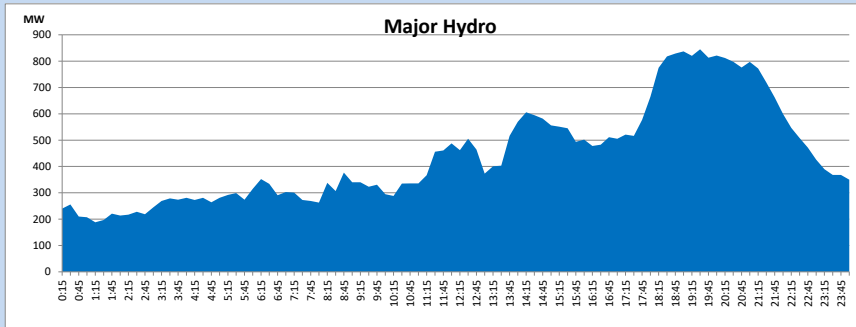
IPP Oil Plant Generation during

October 26, 2024



Major Hydro Generation during

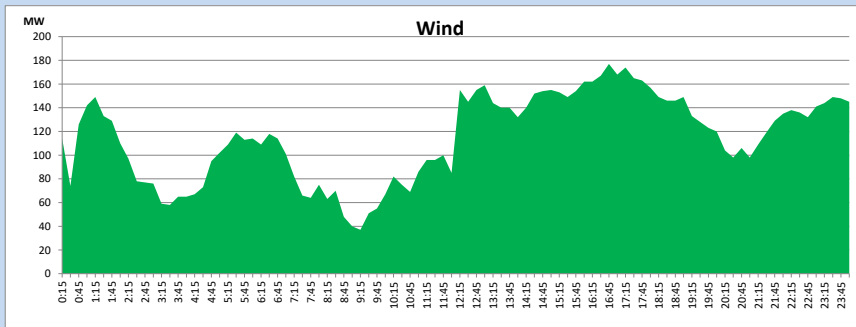
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Wind Generation during

October 26, 2024

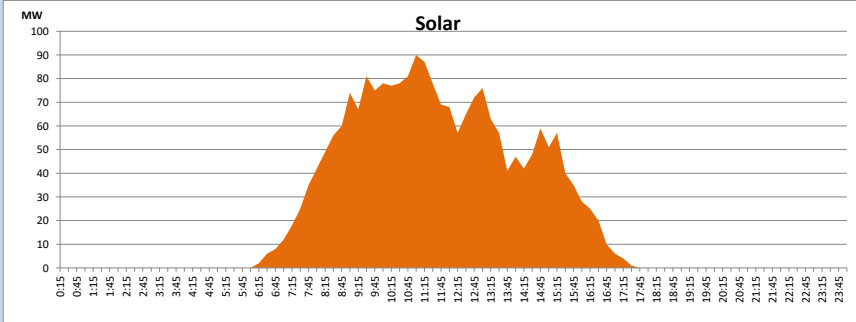
Based on Telemetered Power Stations only



Solar Generation during

October 26, 2024

Based on Telemetered Power Stations only

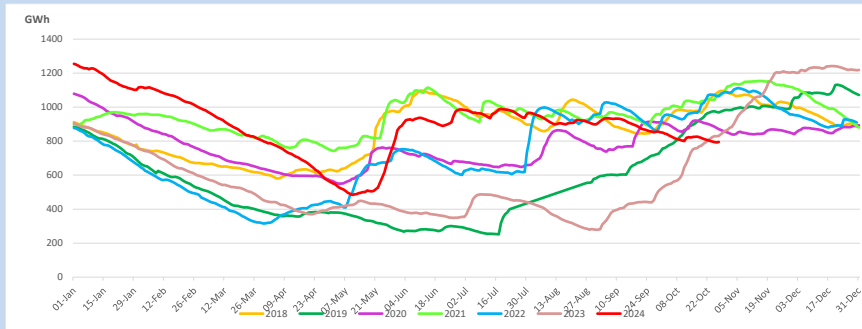


1.14 Major Incidents reported during the day

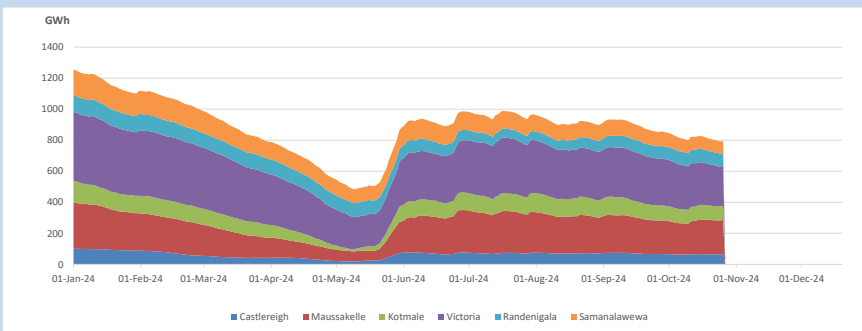
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- Polpitiya unit 02 tripped at 14:55hrs rejecting 35MW from the system due to Generator T/F buchholz alarm. The unit is yet to resume generation.
- Kukule pond spilling stopped at 04:00hrs (27.10.2024).

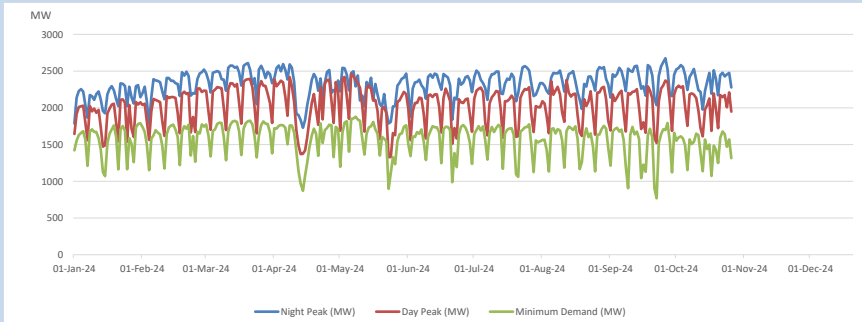
2. Comparison of Total Reservoir Storage Levels with Past Years



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

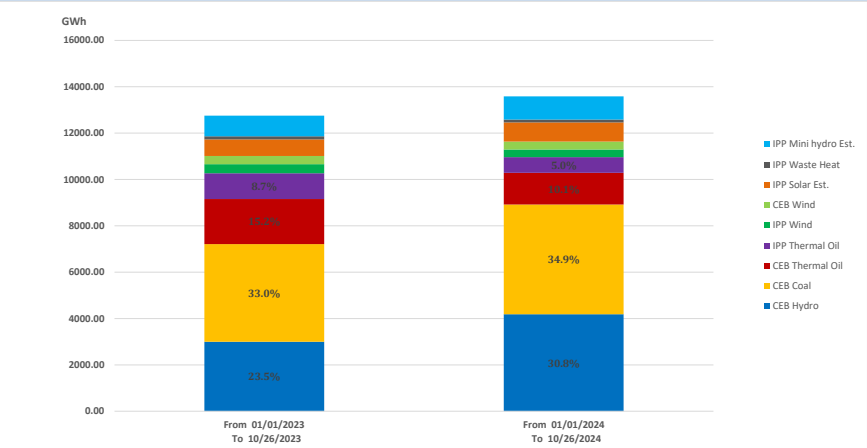


4. Variation of Demand during the current year



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 01/01/2023 To 10/26/2023 12755 GWh
From 01/01/2024 To 10/26/2024 13589 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 Capacity

Table 09	
	Installed Capacity (MW)
CEB Hydro	1531
CEB Coal	810
CEB Thermal Oil	771
IPP Thermal Oil (West Coast & Sobadhanavi)	482
IPP Wind	163
CEB Wind	100
Mini Hydro	422
IPP Waste heat + Biomass	54
IPP Solar	137
Rooftop Solar (Ordinary)	420
Rooftop Solar (LT Bulk)	317
Rooftop Solar (HT Bulk)	98

Data Source - Monthly Review Report June 2024 for NCRE installed capacities