

Generation and Reservoirs Statistics

October 12, 2024



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

October 12, 2024

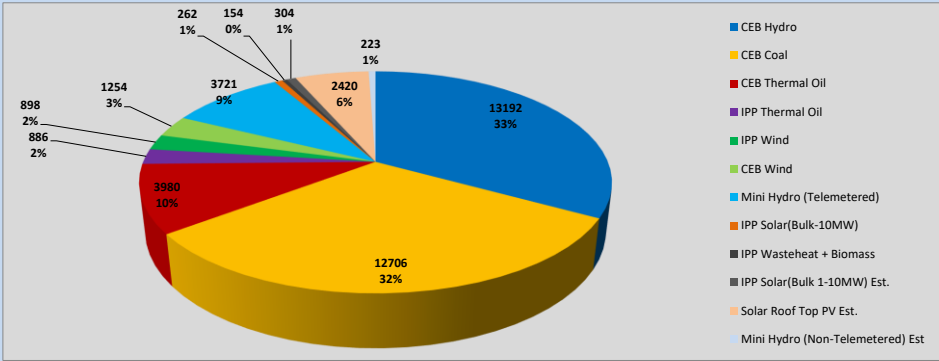


Table 01

	Generation (MWh)
CEB Hydro	13192
CEB Coal	12706
CEB Thermal Oil	3980
IPP Thermal Oil	886
IPP Wind	898
CEB Wind	1254
Mini Hydro (Telemetered)	3721
IPP Solar (Bulk)	262
IPP Waste heat + Biomass	154
Total Generation (Excluding estimated figures)	37,053
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	223
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2420
Total Generation (Including estimated figures)	40,000

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	151	27.78%
CEB Coal	156	28.67%
CEB Thermal Oil	84	15.52%
IPP Thermal	62	11.40%
IPP Wind	10	1.82%
CEB Wind	13	2.33%
Mini Hydro *	28	5.16%
IPP Solar *	37	6.77%
IPP Waste heat + BMP	3	0.55%
Total	543	

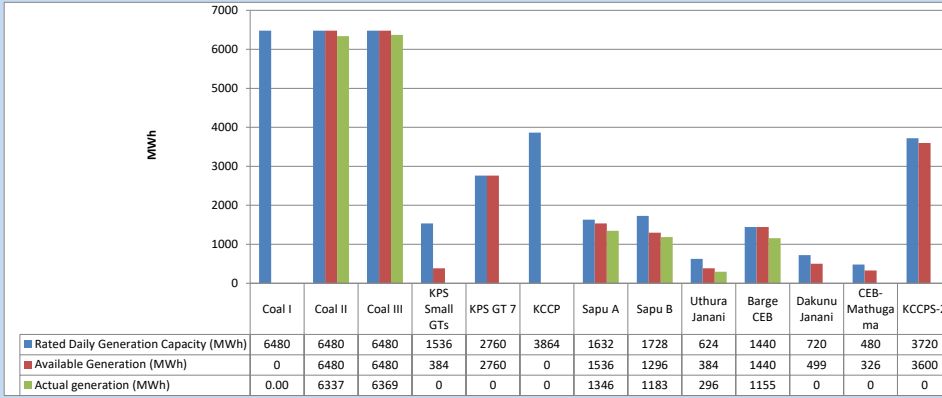
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	4,004	30.85%
CEB Coal	4,556	35.10%
CEB Thermal Oil	1,285	9.90%
IPP Thermal	625	4.81%
IPP Wind	321	2.47%
CEB Wind	331	2.55%
Mini Hydro *	958	7.38%
IPP Solar *	783	6.03%
IPP Waste heat	117	0.90%
Total	12,980	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

October 12, 2024

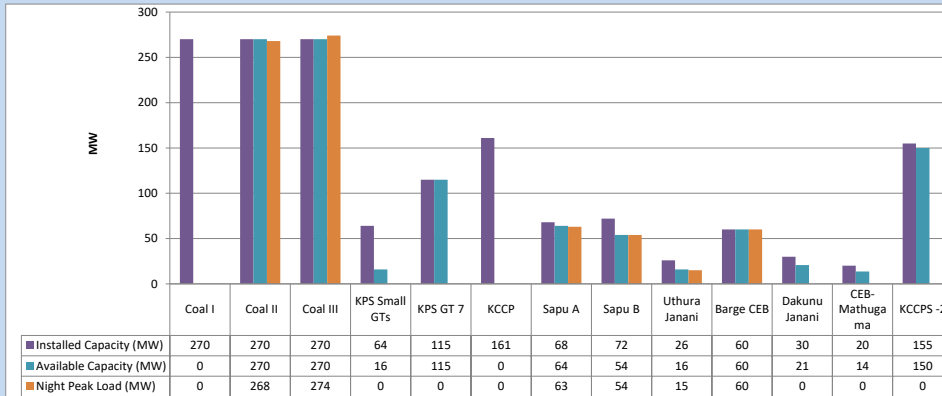


Available Generation is estimated based on plant availability at 6.00am on

October 13, 2024

1.3 CEB owned Thermal Plant Loading at the Night Peak

October 12, 2024

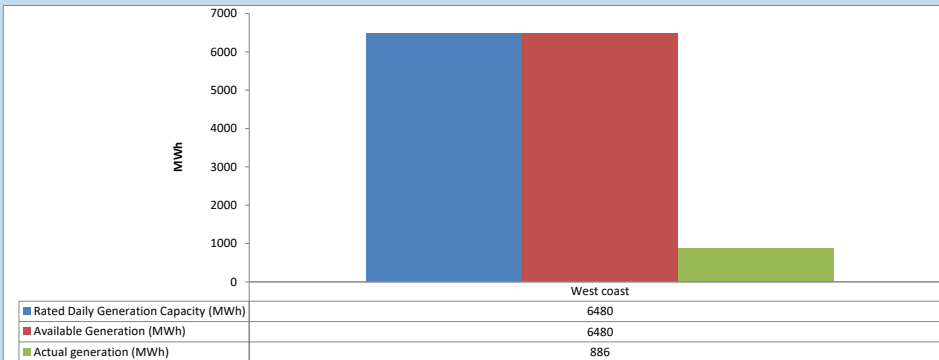


Plant availability is recorded at 6.00 am on

October 13, 2024

1.4 IPP owned Thermal Plant Dispatch

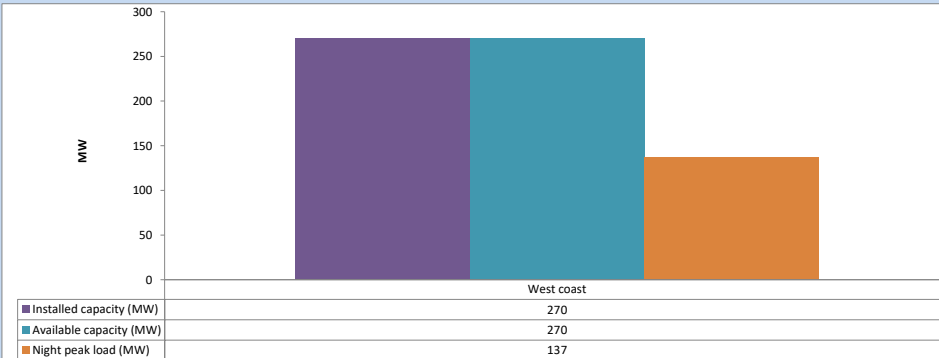
October 12, 2024



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

October 13, 2024

1.5 IPP owned Thermal Plant Loading at the Night Peak

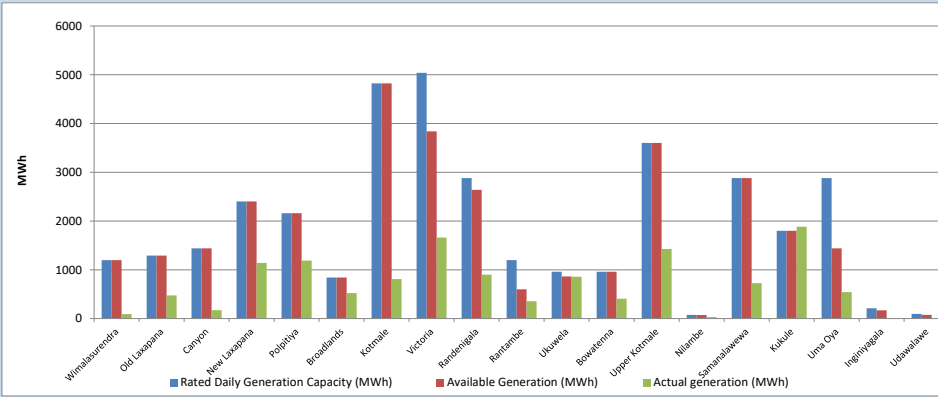


Plant availability is recorded at 6.00 am on

October 13, 2024

1.6 Major Hydro Plant Dispatch

October 12, 2024

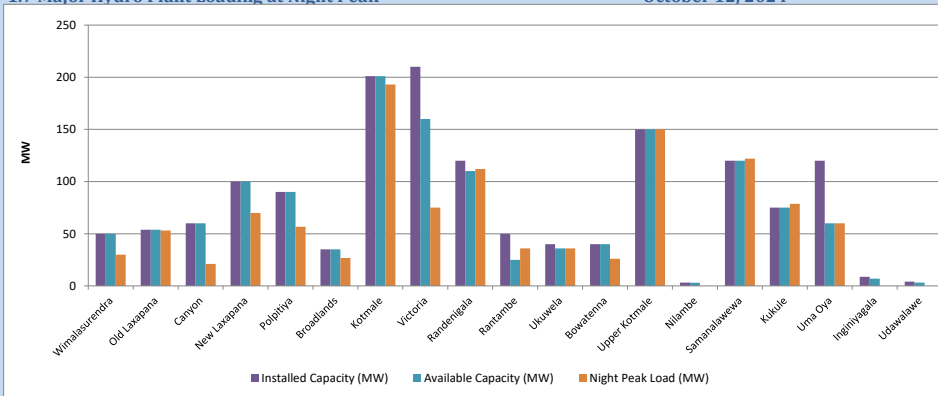


Available Generation is estimated based on plant availability at 6.00am on

October 13, 2024

1.7 Major Hydro Plant Loading at Night Peak

October 12, 2024



Plant availability is recorded at 6.00 am on

October 13, 2024

1.8 Summary of Major Plant performance

October 12, 2024

Table 04

Plant	Maximum Available Total Capacity (MW)	Plant Availability (MW)	Night peak Load (MW)	Plant Dispatch (MWh)
Wimalasurendra	50	50	30	91
Old Laxapana	54	54	53	476
Canyon	60	60	21	172
New Laxapana	100	100	70	1,142
Polpitiya	90	90	57	1,190
Broadlands	35	35	27	524
Kotmale	201	201	193	810
Victoria	210	160	75	1,663
Randenigala	120	110	112	898
Rantambe	50	25	36	355
Ukuwela	40	36	36	856
Bowatenna	40	40	26	406
Upper Kotmale	150	150	150	1,428
Nilambe	3	3	0	30
Samanalawewa	120	120	122	725
Kukule	75	75	79	1,883
Uma Oya	120	60	60	542
Inginiyagala	9	7	0	0
Udawalawe	4	3	0	0
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	268	6,337
Puttalam Coal III	270	270	274	6,369
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	68	64	63	1,346
Sapugaskanda B	72	54	54	1,183
Uthura Janani	26	16	15	296
Barge CEB	60	60	60	1,155
CEB-Hambantota	30	21	0	0
CEB-Mathugama	20	14	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	137	886
Sobadhanavi	220	212	0	0
Total	3,602	2,698	2,227	37,052

Note- Plant availability is the availability recorded at 6 am on

October 13, 2024

1.9 Contribution to the Night Peak in MW

October 12, 2024

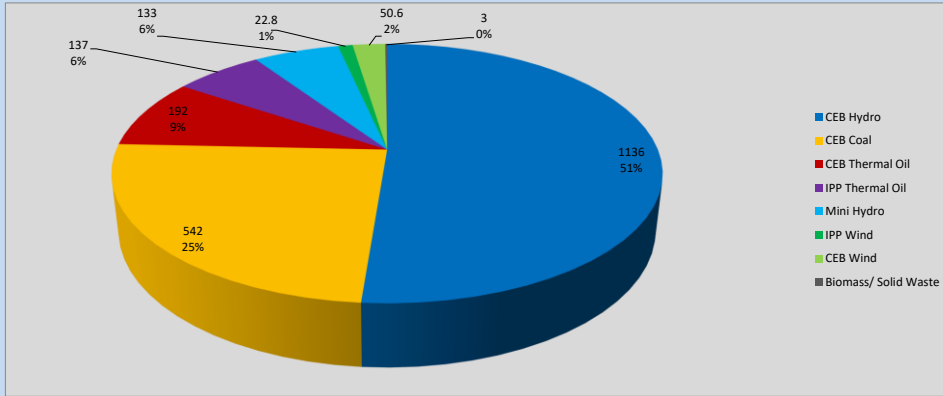


Table 05

CEB Hydro	1136	MW
CEB Coal	542	MW
CEB Thermal Oil	192	MW
IPP Thermal Oil	137	MW
Mini Hydro (Telemetered)	133	MW
IPP Wind	22.8	MW
CEB Wind	50.6	MW
Biomass/ Solid Waste	3	MW

Recorded Peak Demand Data

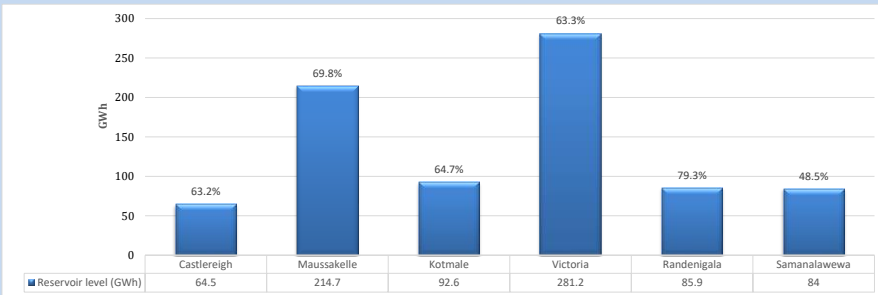
Table 06

Night Peak*	2,217	MW
Day Peak Maximum Demand	1,720	MW
Day Peak Minimum Demand	1,381	MW
Off Peak Minimum Demand	1,185	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 13, 2024



Total Reservoir Level: 822.9 GWh
 % of Total capacity: 64.4%

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

October 12, 2024

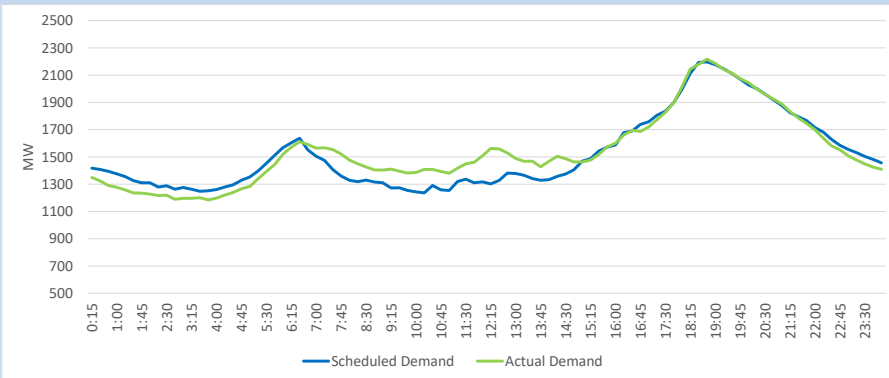
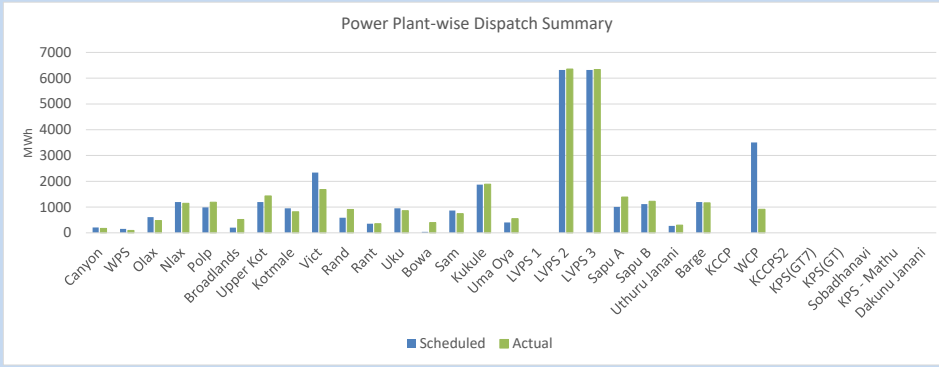


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	12,908	13,224	317
CEB Coal	12,635	12,689	54
CEB Thermal Oil	3,581	4,081	499
IPP Thermal Oil	3,509	913	(2,597)
NCRE (Telemetered)	3,866	6,099	2,233
Total	36,500	37,005	506

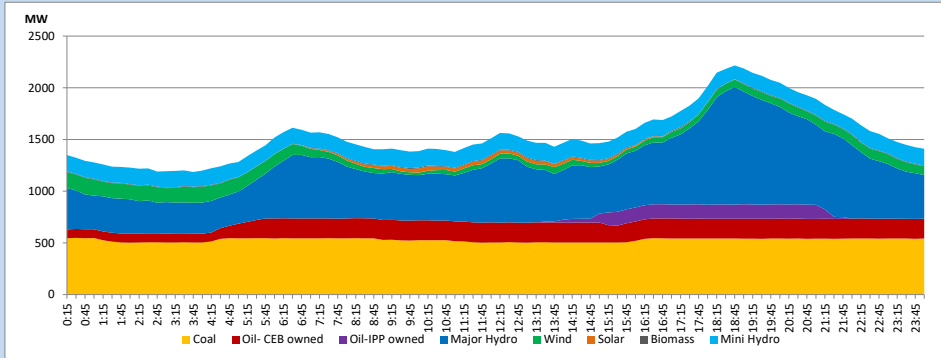
1.12 Power Plant-wise Dispatch Summary

October 12, 2024



1.13 Daily Load Curve

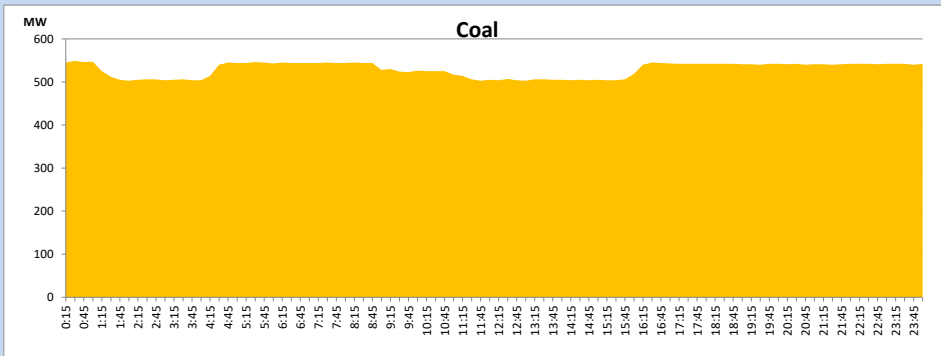
October 12, 2024



Solar and wind data is based on Telemetered Power Stations only

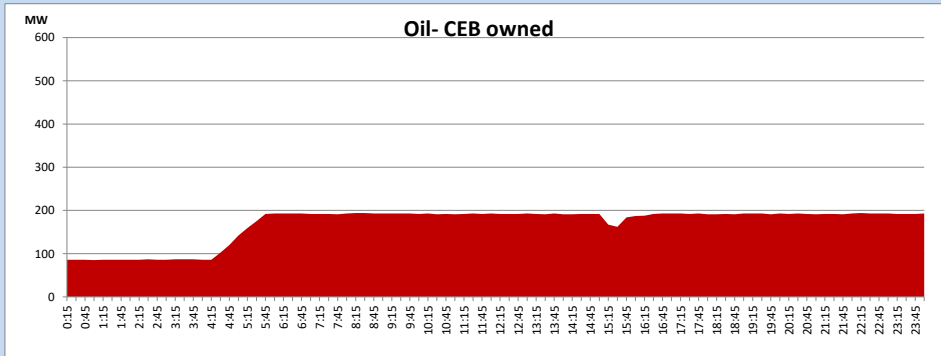
Coal Generation during

October 12, 2024



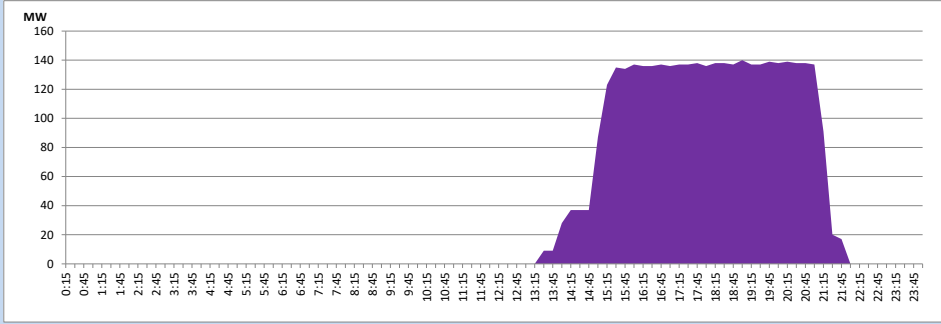
CEB Oil Plant Generation during

October 12, 2024



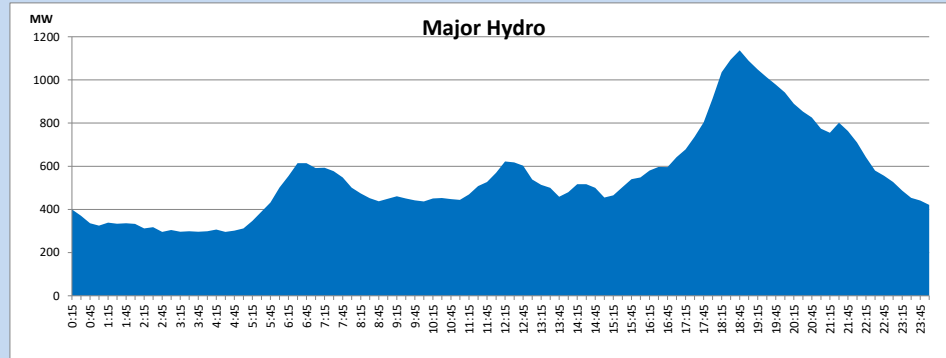
IPP Oil Plant Generation during

October 12, 2024



Major Hydro Generation during

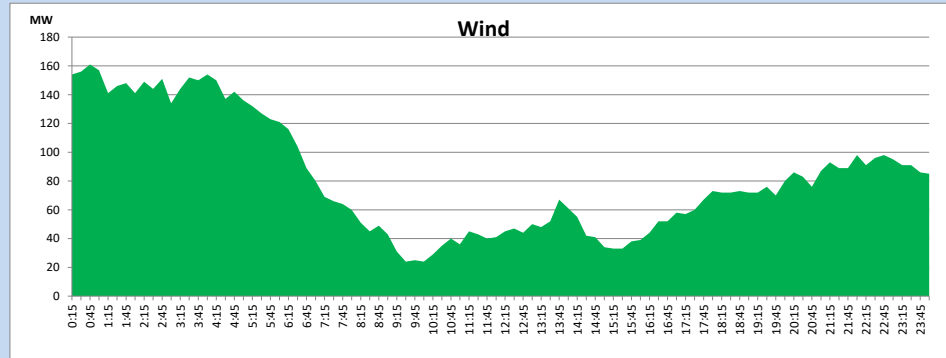
October 12, 2024



Wind Generation during

October 12, 2024

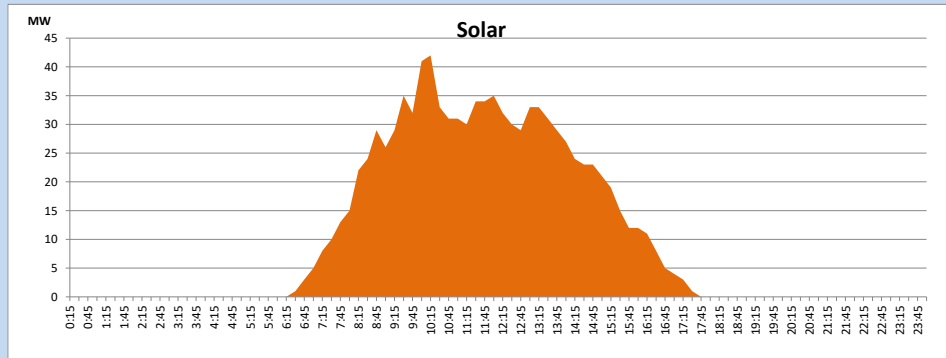
Based on Telemetered Power Stations only



Solar Generation during

October 12, 2024

Based on Telemetered Power Stations only

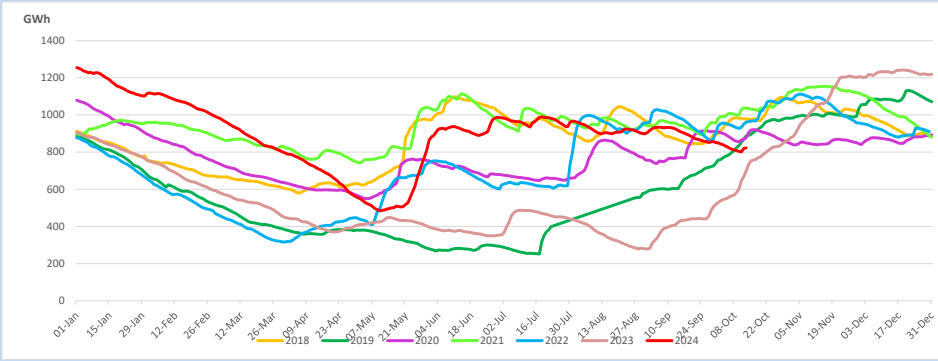


1.14 Major Incidents reported during the day

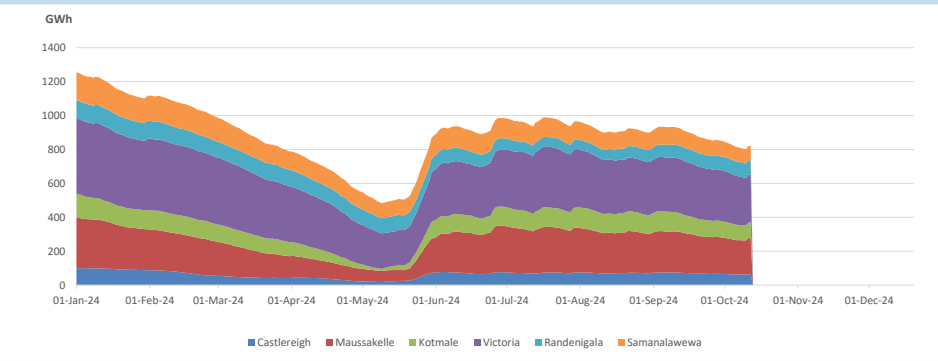
October 12, 2024

- 1) Kulek Ganga pond spilling stopped at 03:15hrs. (13.10.2024)

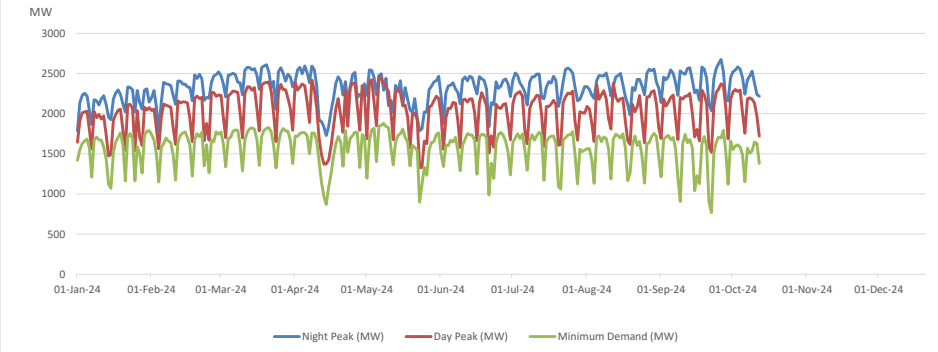
2. Comparison of Total Reservoir Storage Levels with Past Years



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

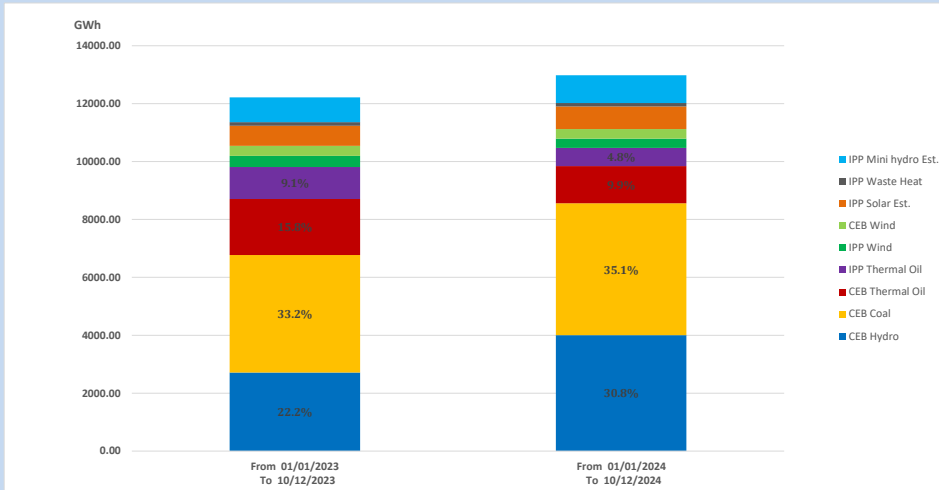


4. Variation of Demand during the current year



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 10/12/2023

12215 GWh

From 01/01/2024 To 10/12/2024

12980 GWh

The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants)

Unserviced 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)	490
IPP Wind	163
CEB Wind	100
Mini Hydro	422
IPP Waste heat + Biomass	54
IPP Solar	137
Rooftop Solar (Ordinary)	343
Rooftop Solar (LT Bulk)	289
Rooftop Solar (HT Bulk)	84

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