

Generation and Reservoirs Statistics

November 28, 2024



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

November 28, 2024

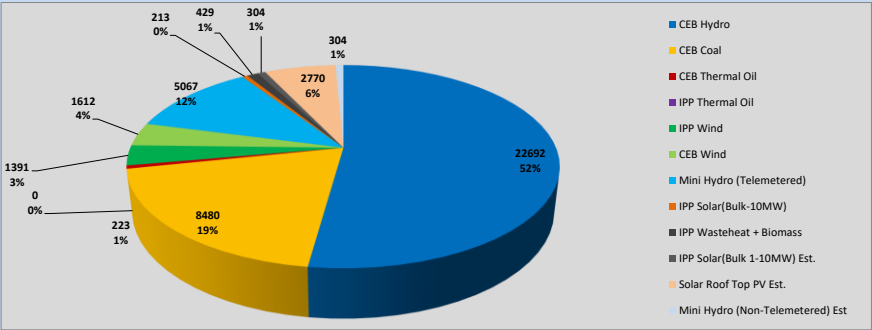


Table 01

	Generation (MWh)
CEB Hydro	22,692
CEB Coal	8,480
CEB Thermal Oil	223
IPP Thermal Oil	-
IPP Wind	1,391
CEB Wind	1,612
Mini Hydro (Telemetered)	5,067
IPP Solar (Bulk)	213
IPP Waste heat + Biomass	429
Total Generation (Excluding estimated figures)	40,107
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	304
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,770
Total Generation (Including estimated figures)	43,485

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	450	36.56%
CEB Coal	337	27.43%
CEB Thermal Oil	113	9.18%
IPP Thermal	38	3.07%
IPP Wind	14	1.13%
CEB Wind	17	1.41%
Mini Hydro *	154	12.56%
IPP Solar *	94	7.64%
IPP Waste heat + BMP	13	1.03%
Total	1,230	

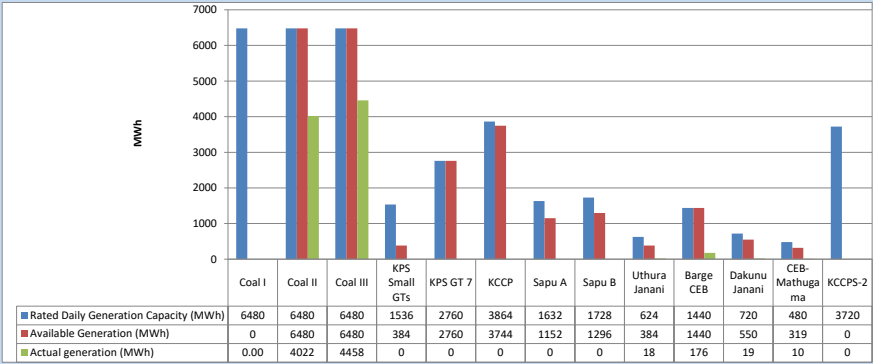
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	4,690	30.98%
CEB Coal	5,135	33.92%
CEB Thermal Oil	1,512	9.99%
IPP Thermal	735	4.86%
IPP Wind	390	2.58%
CEB Wind	365	2.41%
Mini Hydro *	1,224	8.09%
IPP Solar *	946	6.25%
IPP Waste heat	140	0.93%
Total	15,138	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

November 28, 2024

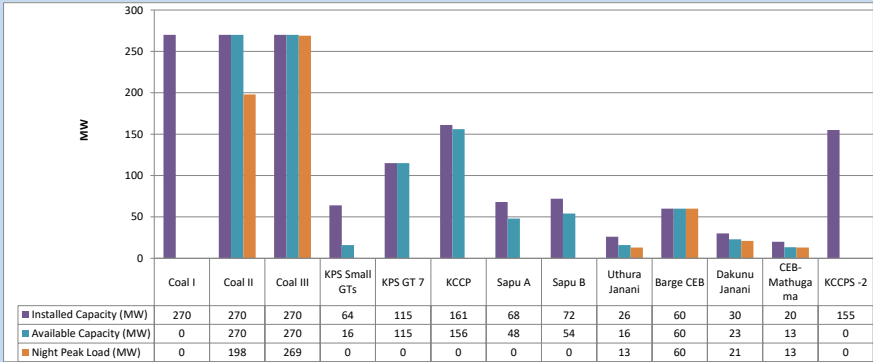


Available Generation is estimated based on plant availability at 6.00am on

November 29, 2024

1.3 CEB owned Thermal Plant Loading at the Night Peak

November 28, 2024

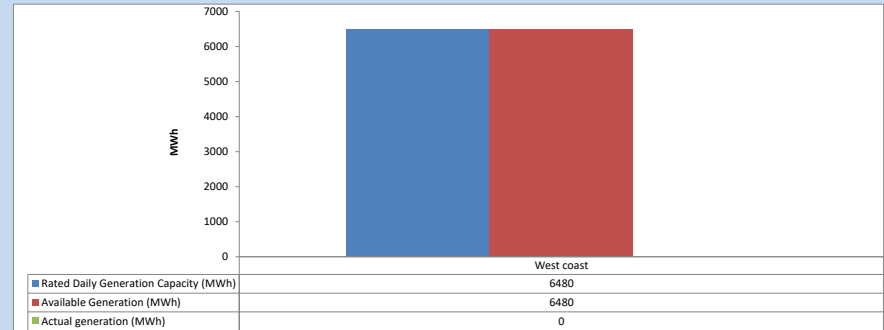


Plant availability is recorded at 6.00 am on

November 29, 2024

1.4 IPP owned Thermal Plant Dispatch

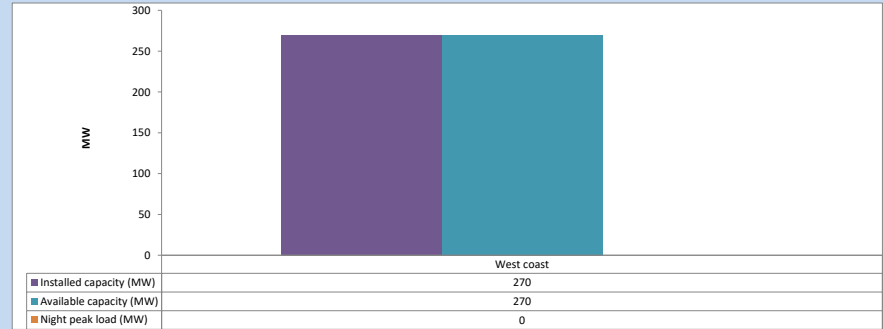
November 28, 2024



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

November 29, 2024

1.5 IPP owned Thermal Plant Loading at the Night Peak

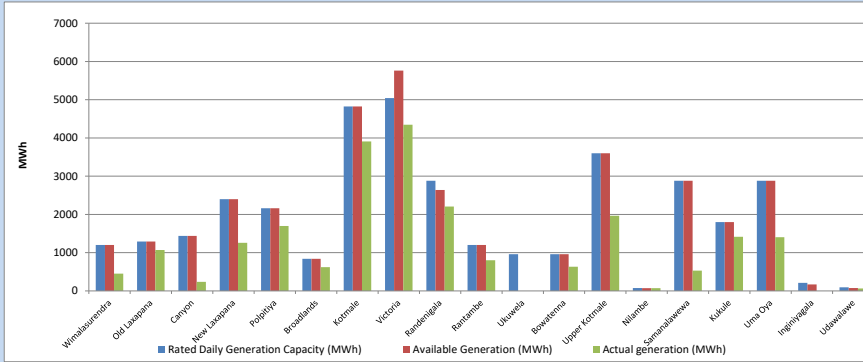


Plant availability is recorded at 6.00 am on

November 29, 2024

1.6 Major Hydro Plant Dispatch

November 28, 2024

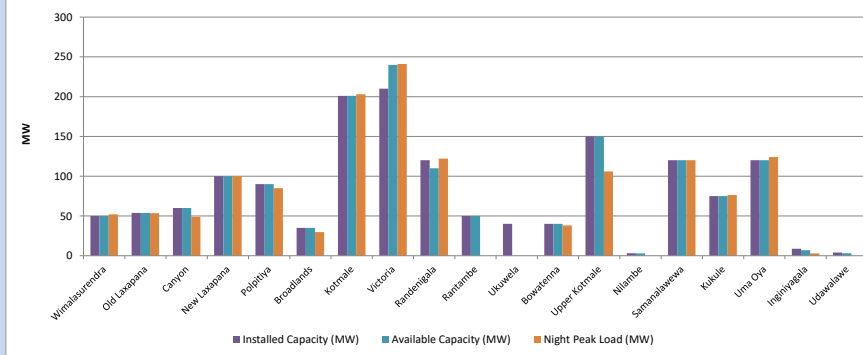


Available Generation is estimated based on plant availability at 6.00am on

November 29, 2024

1.7 Major Hydro Plant Loading at Night Peak

November 28, 2024



Plant availability is recorded at 6.00 am on

November 29, 2024

1.8 Summary of Major Plant performance

November 28, 2024

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	52	452
Old Laxapana	54	54	54	1,070
Canyon	60	60	49	238
New Laxapana	100	100	100	1,258
Polpitiya	90	90	85	1,700
Broadlands	35	35	30	621
Kotmale	201	201	203	3,910
Victoria	210	240	241	4,346
Randenigala	120	110	122	2,205
Rantambe	50	50	0	801
Ukuwela	40	0	0	0
Bowatenna	40	40	38	634
Upper Kotmale	150	150	106	1,966
Nilambe	3	3	0	72
Samanalawewa	120	120	120	532
Kukule	75	75	76	1,416
Uma Oya	120	120	124	1,406
Inginigala	9	7	3	0
Udawalawe	4	3	0	66
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	198	4,022
Puttalam Coal III	270	270	269	4,458
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	0	0
Sapugaskanda A	68	48	0	0
Sapugaskanda B	72	54	0	0
Uthura Janani	26	16	13	18
Barge CEB	60	60	60	176
CEB-Hambantota	30	23	21	19
CEB-Mathugama	20	13	13	10
KCCPS -2	155	0	0	0
West Coast	270	270	0	0
Sobadhanavi	220	0	0	0
Total	3,602	3,031	2,277	40,108

Note-

Plant availability is the availability recorded at 6 am on

November 29, 2024

1.9 Contribution to the Night Peak in MW

November 28, 2024

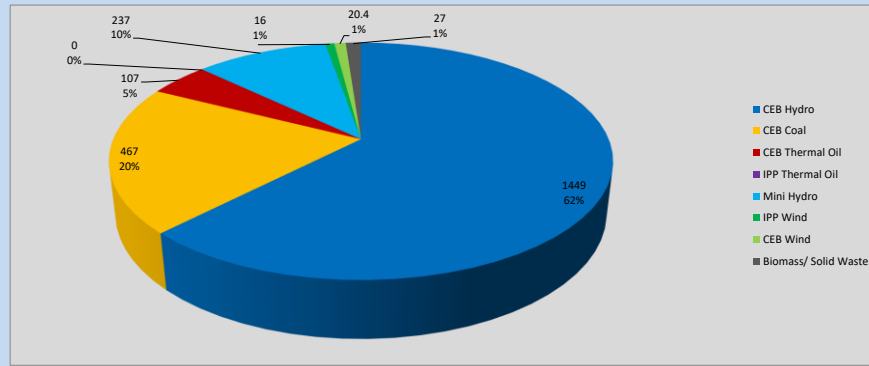


Table 05

CEB Hydro	1449	MW
CEB Coal	467	MW
CEB Thermal Oil	107	MW
IPP Thermal Oil	0	MW
Mini Hydro (Telemetered)	237	MW
IPP Wind	16	MW
CEB Wind	20.4	MW
Biomass/ Solid Waste	27	MW

Recorded Peak Demand Data

Table 06

Night Peak*	2,323	MW
Day Peak Maximum Demand	2,062	MW
Day Peak Minimum Demand	1,498	MW
Off Peak Minimum Demand	1,113	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 November 29, 2024



Total Reservoir Level
% of Total capacity

1190.3 GWh
93.1%

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

November 28, 2024

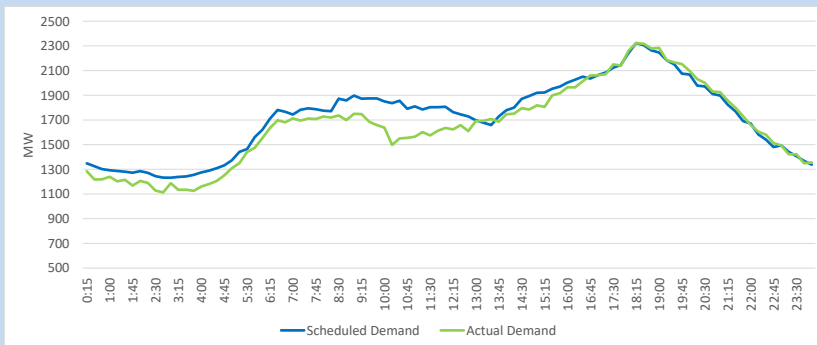
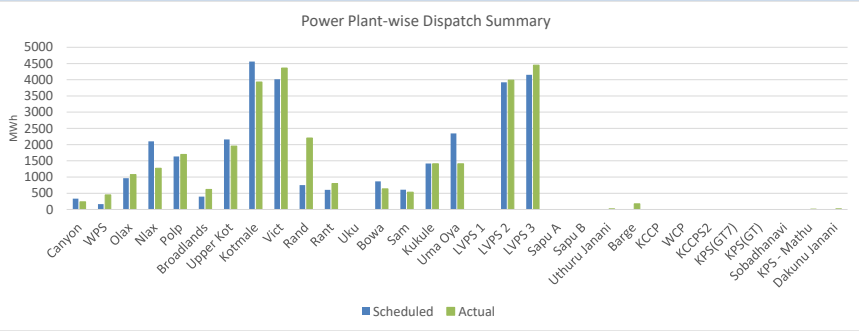


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	22,922	22,692	(230)
CEB Coal	8,073	8,480	407
CEB Thermal Oil	-	223	223
IPP Thermal Oil	-	-	-
NCRE (excluding non telemetered power plants)	10,288	8,712	(1,576)
Total	41,283	40,107	(1,176)

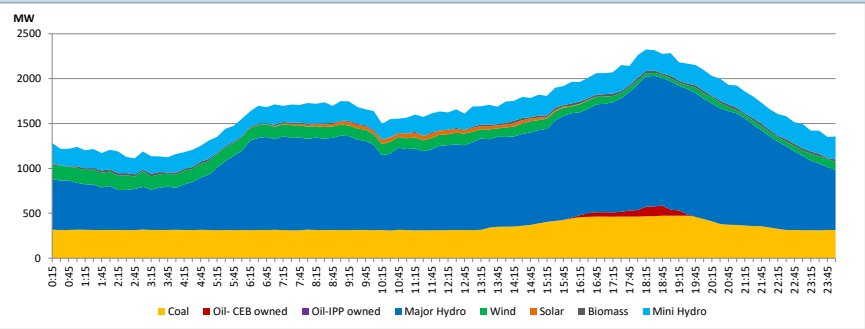
1.12 Power Plant-wise Dispatch Summary

November 28, 2024



1.13 Daily Load Curve

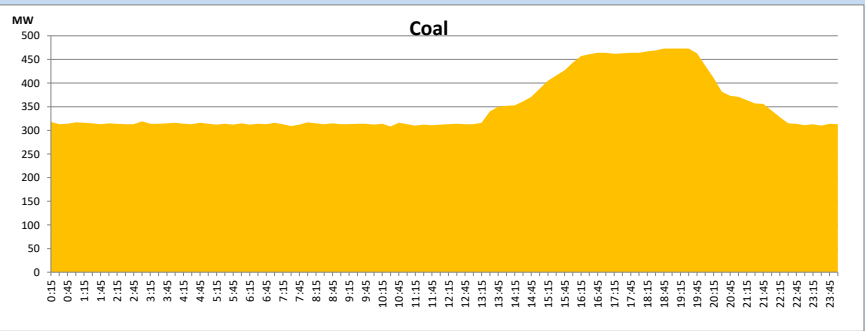
November 28, 2024



Solar and wind data is based on Telemetered Power Stations only

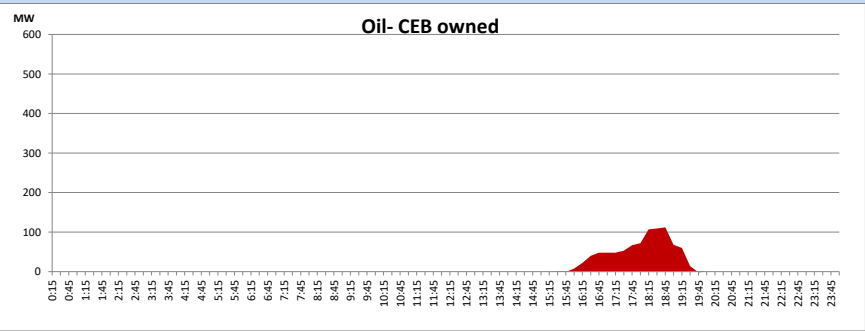
Coal Generation during

November 28, 2024



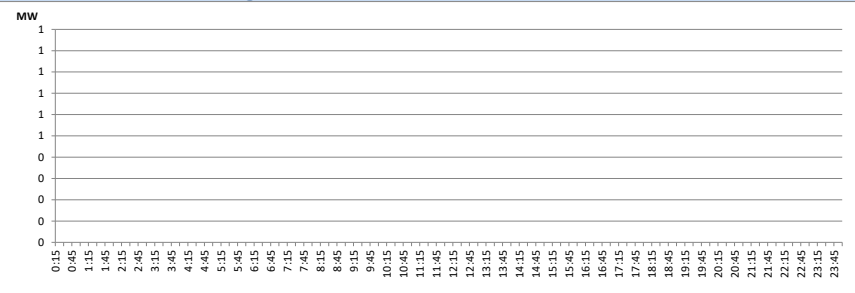
CEB Oil Plant Generation during

November 28, 2024



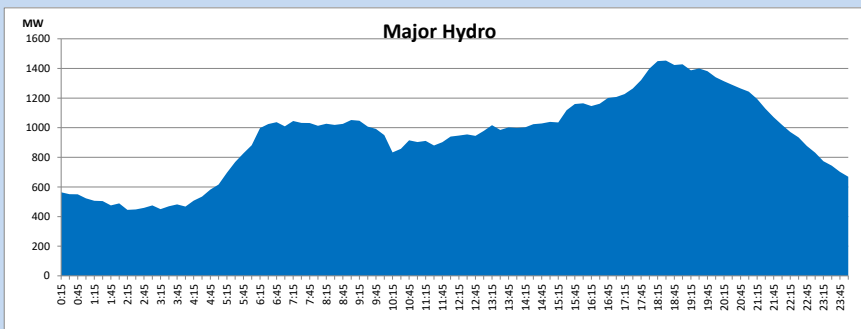
IPP Oil Plant Generation during

November 28, 2024



Major Hydro Generation during

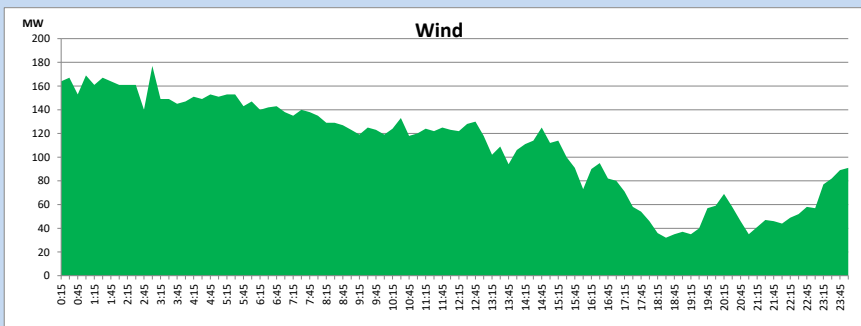
November 28, 2024



Wind Generation during

November 28, 2024

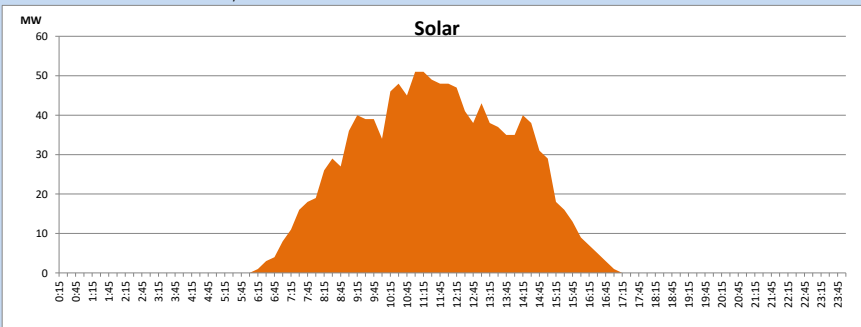
Based on Telemetered Power Stations only



Solar Generation during

November 28, 2024

Based on Telemetered Power Stations only

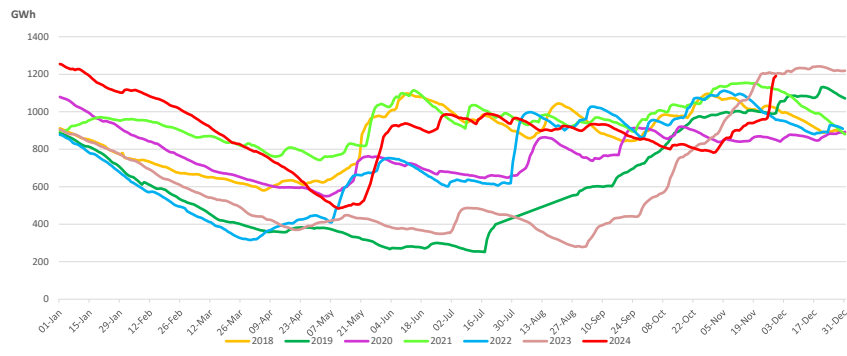


1.14 Major Incidents reported during the day

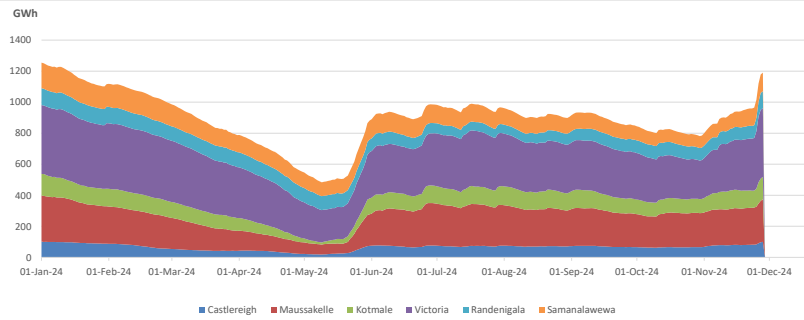
November 28, 2024

- 1) Kotmale reservoir spilling stopped at 15:10hrs and again started at 17:30hrs and continues to the present hour and Victoria & Randenigala reservoirs spilling continues to the present hour.
- 2) Canyon , Broadlands ,Laxapana and Norton ponds Spilled intermittantly and spilling stopped at 00:12 hrs , 01:02hrs , 02:05hrs and 06:25hrs respectively. (29.11.2024)
- 3) Uma Oya Dyraaba & Puhulpola ponds spilled intermittantly. Uma Oya Dyraaba pond spilling stopped at 05:34hrs & Puhulpola pond spilling continues to the present hour.
- 4) Bowathenna reservoir spilling stopped at 06:00hrs(29.11.2024).
- 5) Upper kotmale pond and Rantambe pond spilling continues to the present hour.

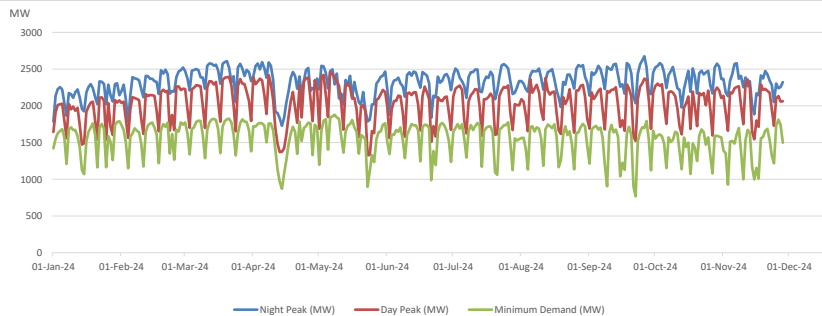
2. Comparison of Total Reservoir Storage Levels with Past Years



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

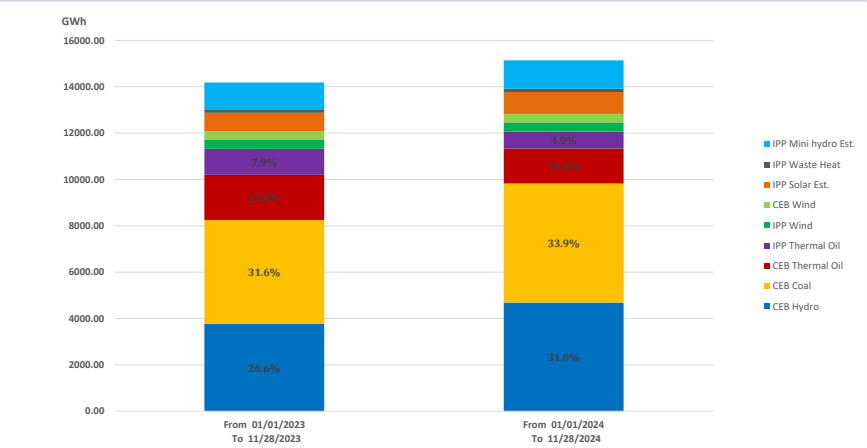


4. Variation of Demand during the current year



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 01/01/2023 To 11/28/2023 14183 GWh
From 01/01/2024 To 11/28/2024 15138 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	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)	495
Rooftop Solar (LT Bulk)	338
Rooftop Solar (HT Bulk)	104
Rooftop Solar - LECO	245

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