

Generation and Reservoirs Statistics

January 21, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 21, 2025

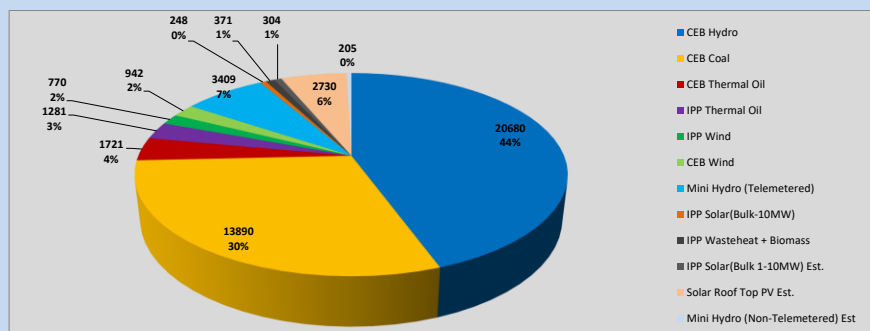


Table 01

	Generation (MWh)
CEB Hydro	20,680
CEB Coal	13,890
CEB Thermal Oil	1,721
IPP Thermal Oil	1,281
IPP Wind	770
CEB Wind	942
Mini Hydro (Telemetered)	3,409
IPP Solar (Bulk)	248
IPP Waste heat + Biomass	371
Total Generation (Excluding estimated figures)	43,312
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	205
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,730
Total Generation (Including estimated figures)	46,551

* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	333	35.98%
CEB Coal	270	29.13%
CEB Thermal Oil	106	11.42%
IPP Thermal	31	3.31%
IPP Wind	17	1.83%
CEB Wind	20	2.12%
Mini Hydro *	73	7.85%
IPP Solar *	71	7.68%
IPP Waste heat + BMP	6	0.70%
Total	927	

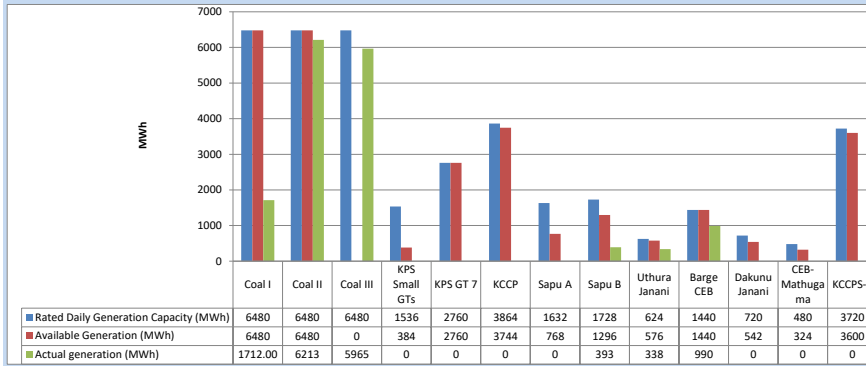
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	333	35.98%
CEB Coal	270	29.13%
CEB Thermal Oil	106	11.42%
IPP Thermal	31	3.31%
IPP Wind	17	1.83%
CEB Wind	20	2.12%
Mini Hydro *	73	7.85%
IPP Solar *	71	7.68%
IPP Waste heat	6	0.70%
Total	927	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

January 21, 2025

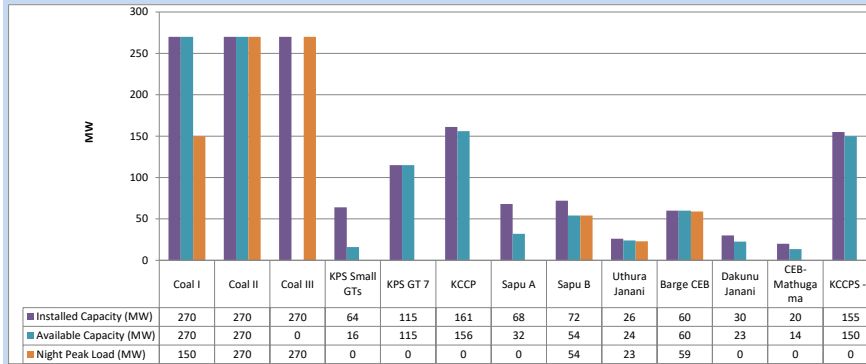


Available Generation is estimated based on plant availability at 6.00am on

January 22, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

January 21, 2025

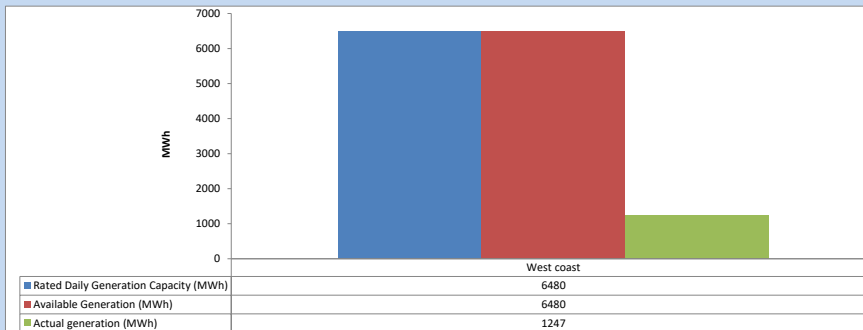


Plant availability is recorded at 6.00 am on

January 22, 2025

1.4 IPP owned Thermal Plant Dispatch

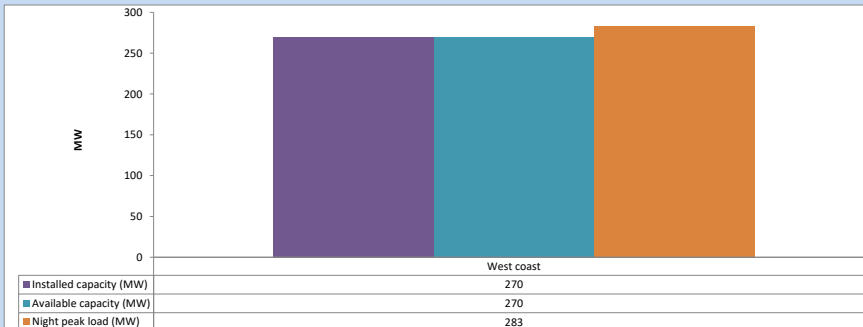
January 21, 2025



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

January 22, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

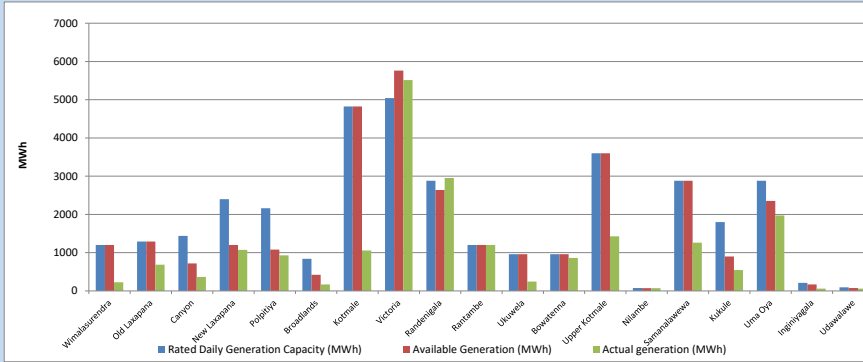


Plant availability is recorded at 6.00 am on

January 22, 2025

1.6 Major Hydro Plant Dispatch

January 21, 2025

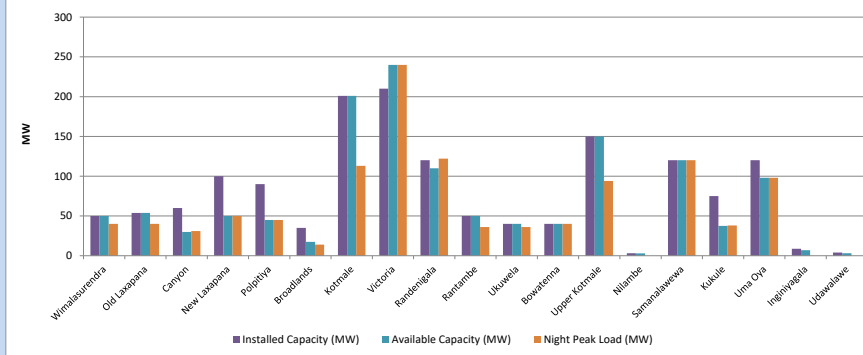


Available Generation is estimated based on plant availability at 6.00am on

January 22, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 21, 2025



Plant availability is recorded at 6.00 am on

January 22, 2025

1.8 Summary of Major Plant performance

January 21, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	40	226
Old Laxapana	54	54	40	684
Canyon	60	30	31	364
New Laxapana	100	50	50	1,074
Polpitiya	90	45	45	930
Broadlands	35	18	14	168
Kotmale	201	201	113	1,060
Victoria	210	240	240	5,514
Randenigala	120	110	122	2,953
Rantambe	50	50	36	1,202
Ukuwela	40	40	36	244
Bowatenna	40	40	40	862
Upper Kotmale	150	150	94	1,427
Nilambe	3	3	0	72
Samanalawewa	120	120	120	1,262
Kukule	75	38	38	545
Uma Oya	120	98	98	1,974
Inginigagala	9	7	0	60
Udawalawe	4	3	0	61
Puttalam Coal I	270	270	150	1,712
Puttalam Coal II	270	270	270	6,213
Puttalam Coal III	270	0	270	5,965
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	0	0
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	54	393
Uthura Janani	26	24	23	338
Barge CEB	60	60	59	990
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS-2	155	150	0	0
West Coast	270	270	283	1,247
Sobadhanavi	220	0	0	34
Total	3,602	2,799	2,502	37,574

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

January 22, 2025

1.9 Contribution to the Night Peak in MW

January 21, 2025

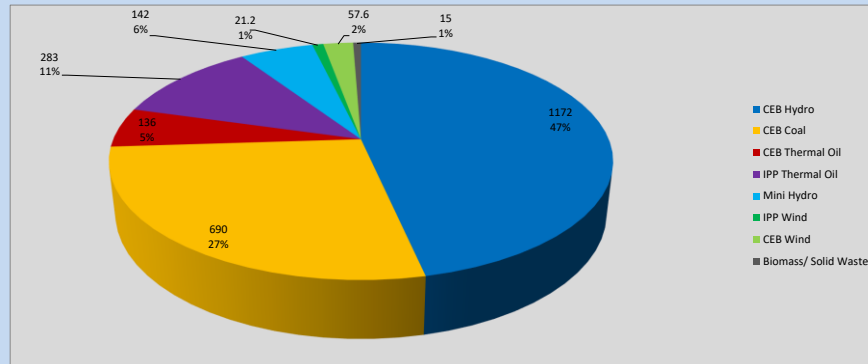


Table 05

CEB Hydro	1,172	MW
CEB Coal	690	MW
CEB Thermal Oil	136	MW
IPP Thermal Oil	283	MW
Mini Hydro (Telemetered)	142	MW
IPP Wind	21.2	MW
CEB Wind	57.6	MW
Biomass/ Solid Waste	15	MW

Recorded Peak Demand Data

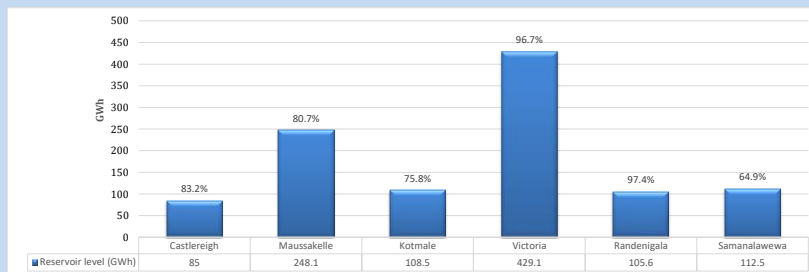
Table 06

Night Peak*	2,517	MW
Day Peak Maximum Demand	2,132	MW
Day Peak Minimum Demand	1,448	MW
Off Peak Minimum Demand	1,367	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 22, 2025



Total Reservoir Level
% of Total capacity

1,089 GWh
85.2%

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

January 21, 2025

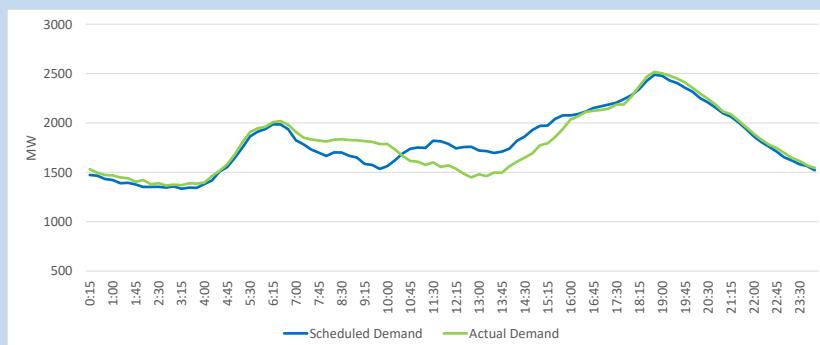
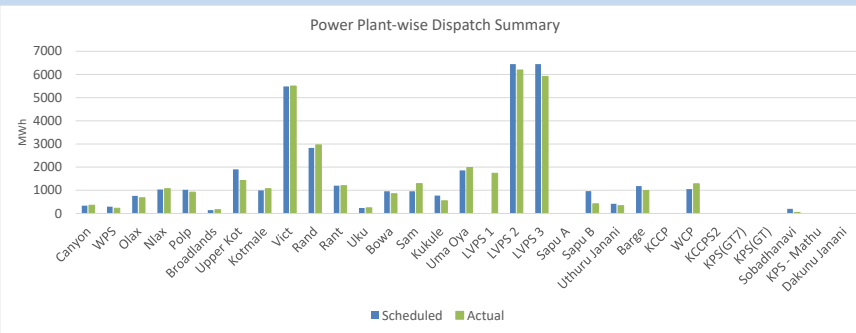


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	20,802	20,680	(122)
CEB Coal	12,890	12,178	(712)
CEB Thermal Oil	2,569	3,433	864
IPP Thermal Oil	1,251	1,281	30
NCRE (excluding non telemetered power plants)	5,821	5,740	(81)
Total	43,333	43,312	(21)

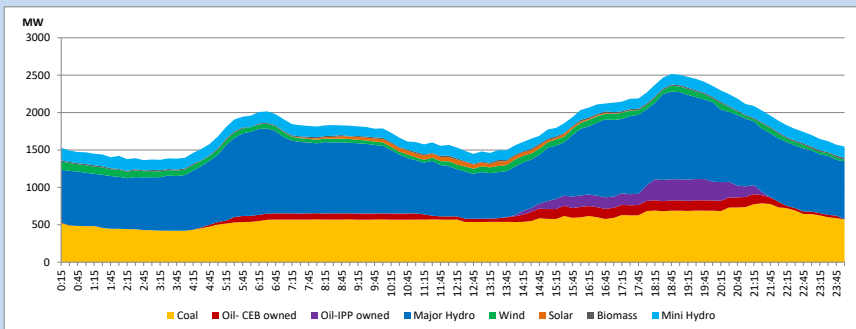
1.12 Power Plant-wise Dispatch Summary

January 21, 2025



1.13 Daily Load Curve

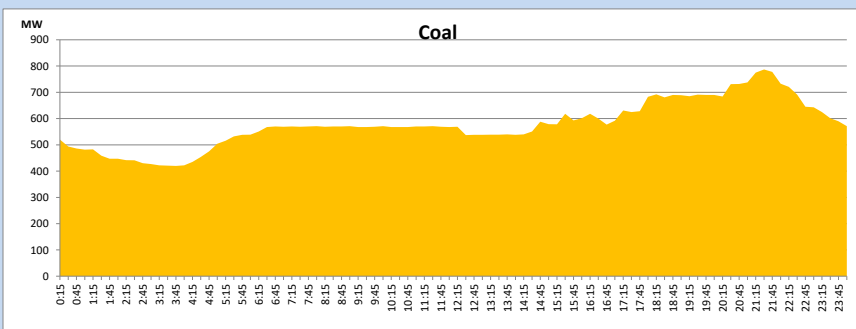
January 21, 2025



Solar and wind data is based on Telemetered Power Stations only

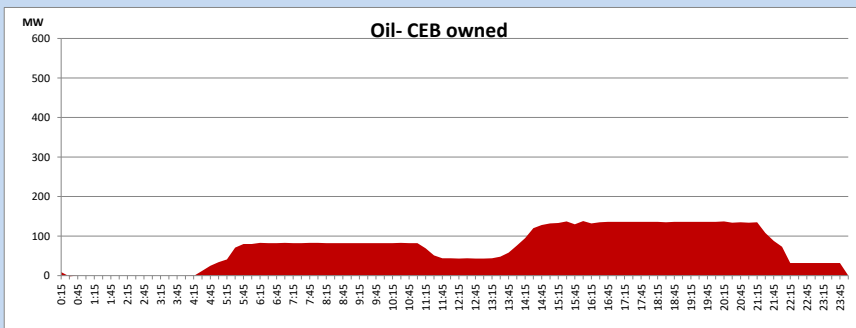
Coal Generation during

January 21, 2025



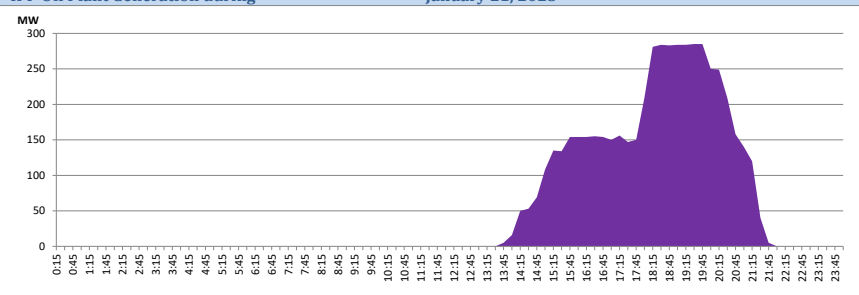
CEB Oil Plant Generation during

January 21, 2025



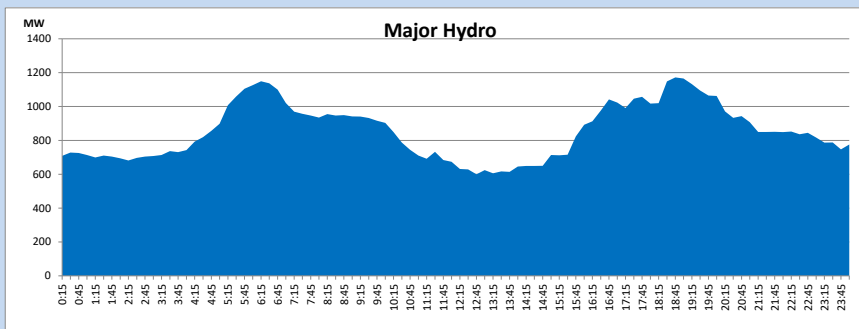
IPP Oil Plant Generation during

January 21, 2025



Major Hydro Generation during

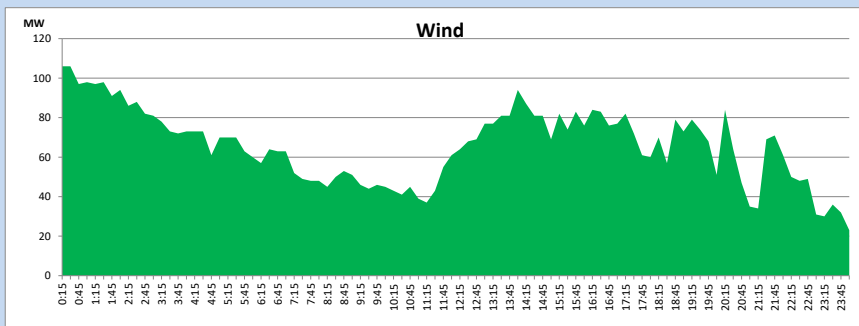
January 21, 2025



Wind Generation during

January 21, 2025

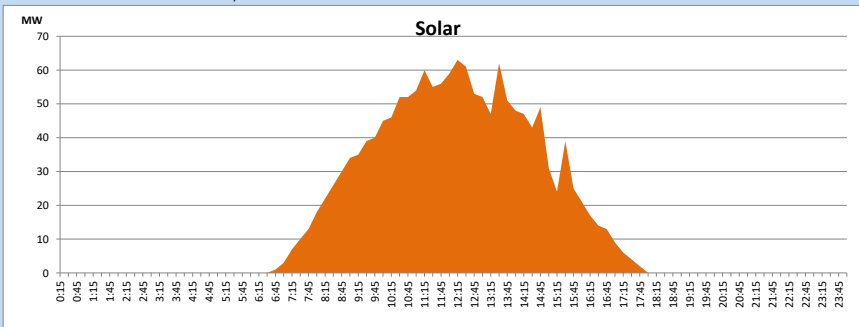
Based on Telemetered Power Stations only



Solar Generation during

January 21, 2025

Based on Telemetered Power Stations only

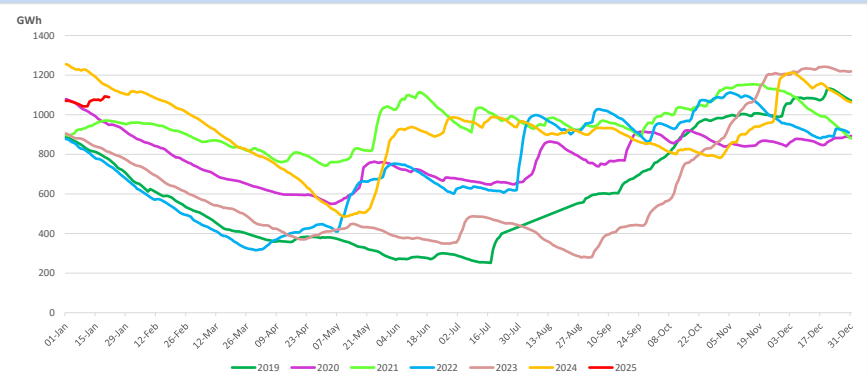


1.14 Major Incidents reported during the day

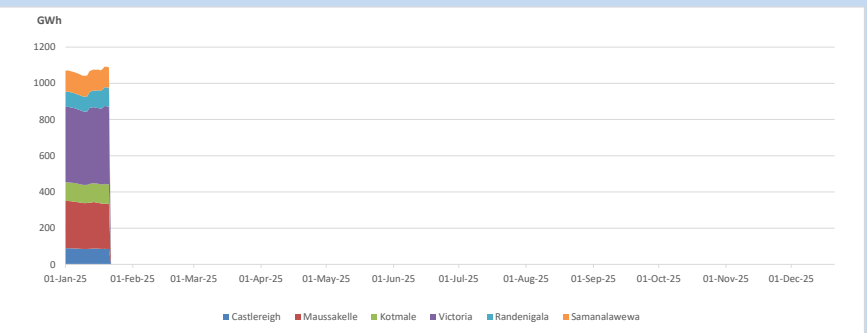
January 21, 2025

- 1) Kukule Unit 01 was released for annual maintenance from 10:47hrs.
- 2) New Anu - Trinco 132kV cct. was manually switched off from both ends at 11:14hrs due to a kite removal. The cct. was normalized at 15:28hrs.
- 3) LVPS Unit 01 was synchronized following a type A overhaul at 14:27hrs and reached full load at 22:00hrs.
- 4) Uma Oya Unit 02 made a forced shutdown at 11:34hrs due to a nozzle 5 breakdown. The unit resumed generation at 14:43hrs with a full load capability of 38MW.
- 5) LVPS Unit 03 made a forced shutdown and desynchronized from the system at 00:20hrs (22.01.2025) due to a primary air fan vibration issue. The unit is yet to resume generation.
- 6) Rantambe Pond spilled intermittently, stopped at 00:13hrs (22.01.2025). Rantambe pond spilling started again at 05:49hrs (22.01.2025) and spilling continues to the present hour.
- 7) Uma Oya Dyraaba and Puhulpola ponds' spilling continues to the present hour.

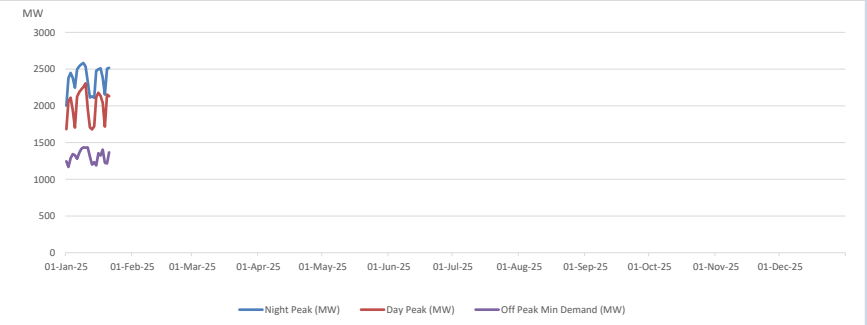
2. Comparison of Total Reservoir Storage Levels with Past Years



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

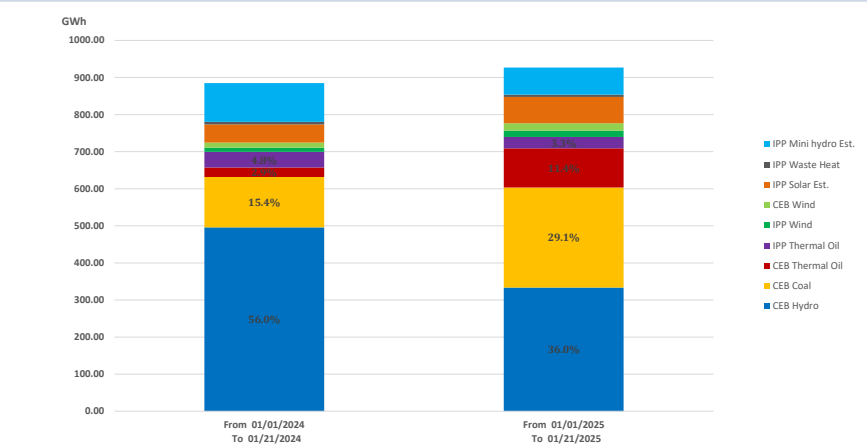


4. Variation of Demand during the current year



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 01/01/2024 To 01/21/2024 885 GWh
From 01/01/2025 To 01/21/2025 927 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