Generation and Reservoirs Statistics

January 19, 2025

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

January 19, 2025

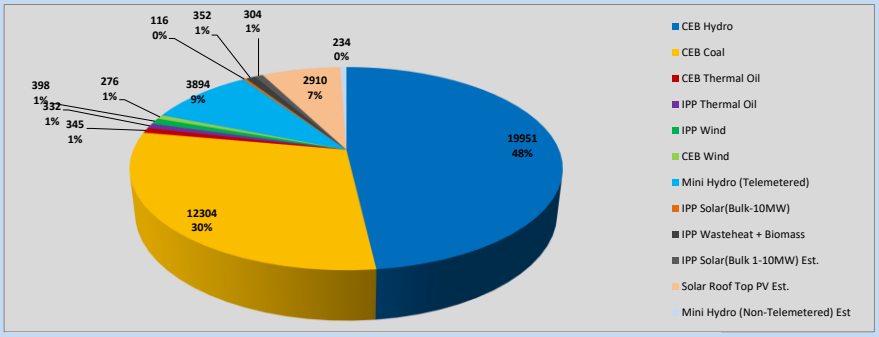


Table 01

	Generation (MWh)
CEB Hydro	19,951
CEB Coal	12,304
CEB Thermal Oil	345
IPP Thermal Oil	332
IPP Wind	398
CEB Wind	276
Mini Hydro (Telemetered)	3,894
IPP Solar (Bulk)	116
IPP Waste heat + Biomass	352
Total Generation (Excluding estimated figures)	37,968
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	234
* Estimated IPP Solar PV (Bulk 1-10MW)	304
* Estimated Solar Roof Top PV	2,910
Total Generation (Including estimated figures)	**41,416**

*** Estimated figures of CEB generation report**

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

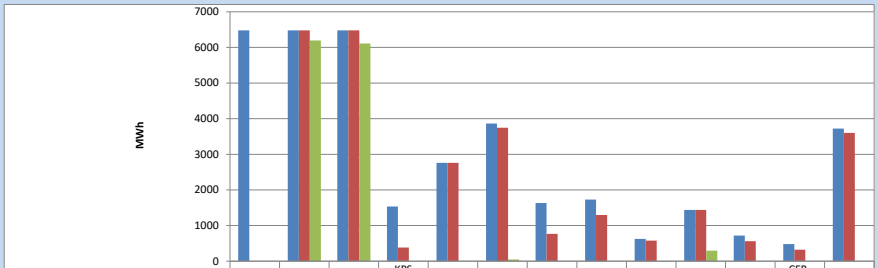
Category	Dispatch (GWh)	
CEB Hydro	292	34.99%
CEB Coal	244	29.21%
CEB Thermal Oil	103	12.28%
IPP Thermal	28	3.33%
IPP Wind	15	1.82%
CEB Wind	18	2.12%
Mini Hydro *	65	7.83%
IPP Solar *	65	7.73%
IPP Waste heat + BMP	6	0.69%
Total	**836**	

Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	292	34.99%
CEB Coal	244	29.21%
CEB Thermal Oil	103	12.28%
IPP Thermal	28	3.33%
IPP Wind	15	1.82%
CEB Wind	18	2.12%
Mini Hydro *	65	7.83%
IPP Solar *	65	7.73%
IPP Waste heat	6	0.69%
Total	**836**	

*Including estimated contribution from non telemetered plants

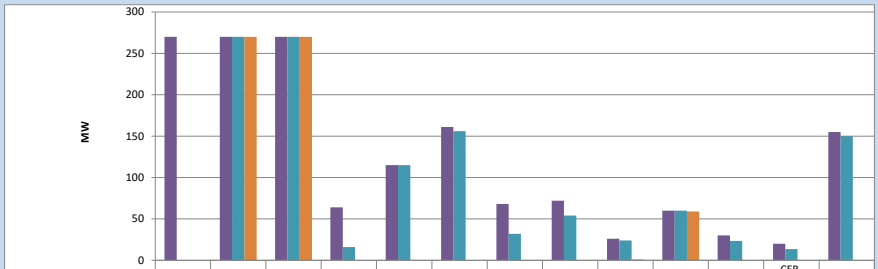
1.2 CEB owned Thermal Plant Dispatch January 19, 2025



	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS-2
Rated Daily Generation Capacity (MWh)	6480	6480	6480	1536	2760	3864	1632	1728	624	1440	720	480	3720
Available Generation (MWh)	0	6480	6480	384	2760	3744	768	1296	576	1440	562	324	3600
Actual generation (MWh)	0.00	6195	6109	0	0	49	0	0	2	294	0	0	0

Available Generation is estimated based on plant availability at 6.00am on January 20, 2025

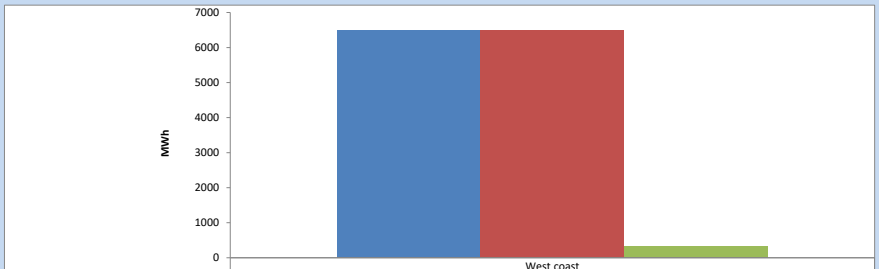
1.3 CEB owned Thermal Plant Loading at the Night Peak January 19, 2025



	Coal I	Coal II	Coal III	KPS Small GTs	KPS GT 7	KCCP	Sapu A	Sapu B	Uthura Janani	Barge CEB	Dakunu Janani	CEB-Mathugama	KCCPS -2
Installed Capacity (MW)	270	270	270	64	115	161	68	72	26	60	30	20	155
Available Capacity (MW)	0	270	270	16	115	156	32	54	24	60	23	14	150
Night Peak Load (MW)	0	270	270	0	0	0	0	0	1	59	0	0	0

Plant availability is recorded at 6.00 am on January 20, 2025

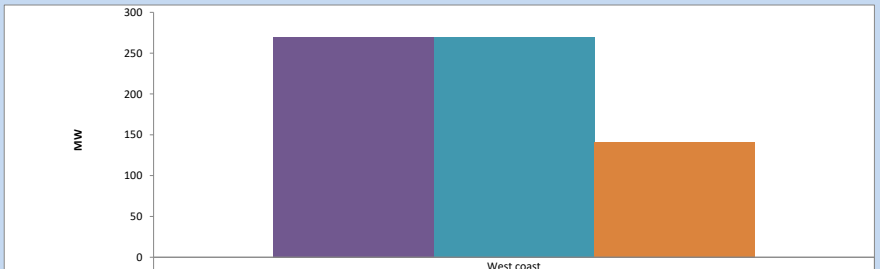
1.4 IPP owned Thermal Plant Dispatch January 19, 2025



	West coast
Rated Daily Generation Capacity (MWh)	6480
Available Generation (MWh)	6480
Actual generation (MWh)	332

Available Generation is estimated based on plant availability at 6.00am on January 20, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

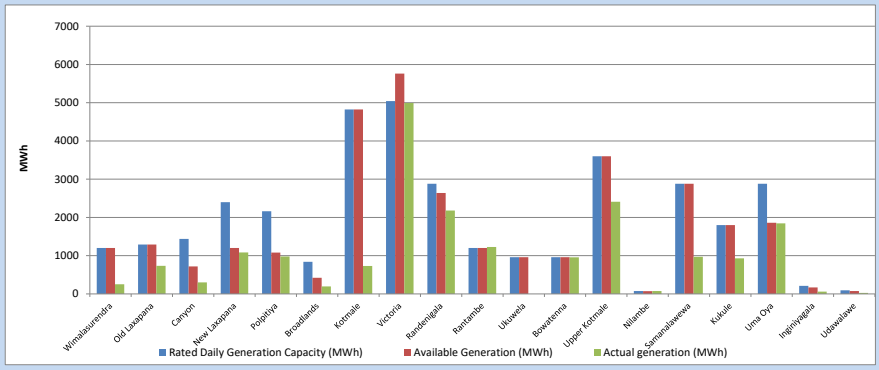


	West coast
Installed capacity (MW)	270
Available capacity (MW)	270
Night peak load (MW)	141

Plant availability is recorded at 6.00 am on January 20, 2025

1.6 Major Hydro Plant Dispatch

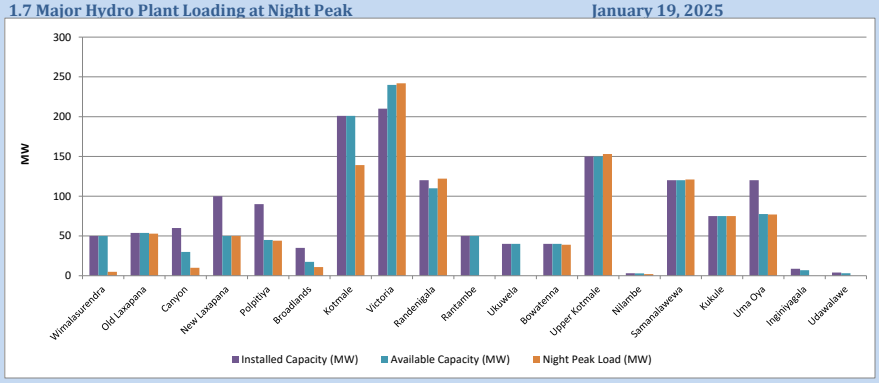
January 19, 2025



Available Generation is estimated based on plant availability at 6.00am on January 20, 2025

1.7 Major Hydro Plant Loading at Night Peak

January 19, 2025



Plant availability is recorded at 6.00 am on January 20, 2025

1.8 Summary of Major Plant performance

January 19, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	5	254
Old Laxapana	54	54	53	734
Canyon	60	30	10	303
New Laxapana	100	50	50	1,084
Polpitiya	90	45	44	980
Broadlands	35	18	11	197
Kotmale	201	201	139	730
Victoria	210	240	242	4,991
Randenigala	120	110	122	2,181
Rantambe	50	50	0	1,228
Ukuwela	40	40	0	0
Bowatenna	40	40	39	955
Upper Kotmale	150	150	153	2,409
Nilambe	3	3	2	75
Samanalawewa	120	120	121	970
Kukule	75	75	75	929
Uma Oya	120	78	77	1,845
Inginiyagala	9	7	0	61
Udawalawe	4	3	0	26
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,195
Puttalam Coal III	270	270	270	6,109
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	0	49
Sapugaskanda A	68	32	0	0
Sapugaskanda B	72	54	0	0
Uthura Janani	26	24	1	2
Barge CEB	60	60	59	294
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	14	0	0
KCCPS -2	155	150	0	0
West Coast	270	270	141	332
Sobadhanavi	220	0	0	0
Total	3,602	2,817	2,103	32,933

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on January 20, 2025

1.9 Contribution to the Night Peak in MW

January 19, 2025

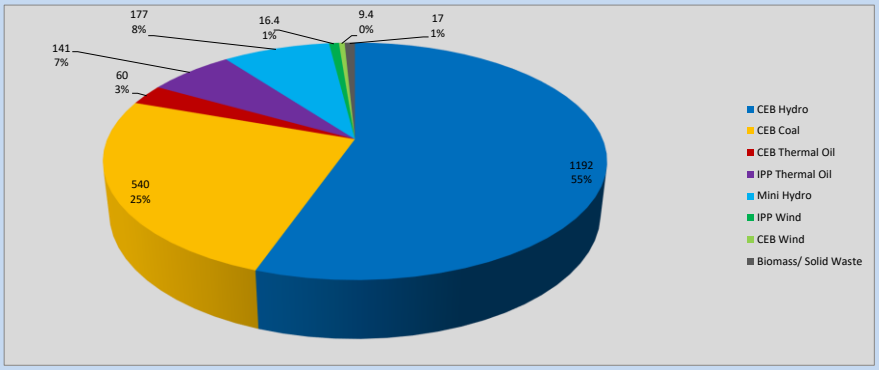


Table 05

CEB Hydro	1,192	MW
CEB Coal	540	MW
CEB Thermal Oil	60	MW
IPP Thermal Oil	141	MW
Mini Hydro (Telemetered)	177	MW
IPP Wind	16.4	MW
CEB Wind	9.4	MW
Biomass/ Solid Waste	17	MW

Recorded Peak Demand Data

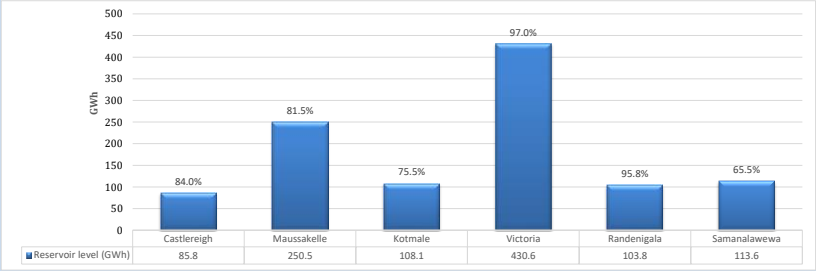
Table 06

Night Peak*	2,152	MW
Day Peak Maximum Demand	1,717	MW
Day Peak Minimum Demand	1,450	MW
Off Peak Minimum Demand	1,226	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 20, 2025



Total Reservoir Level 1,092 GWh
% of Total capacity 85.5%

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

January 19, 2025

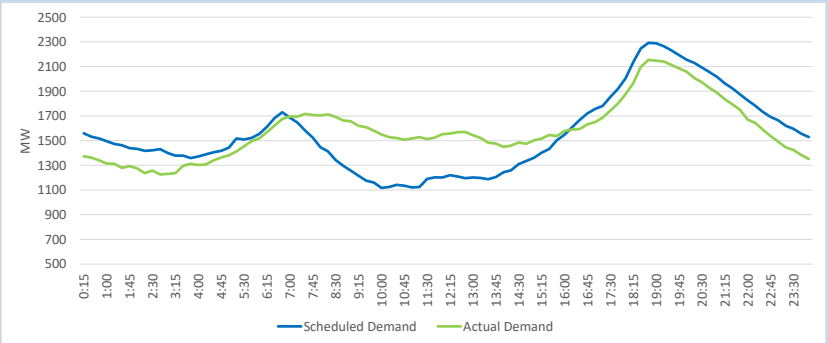
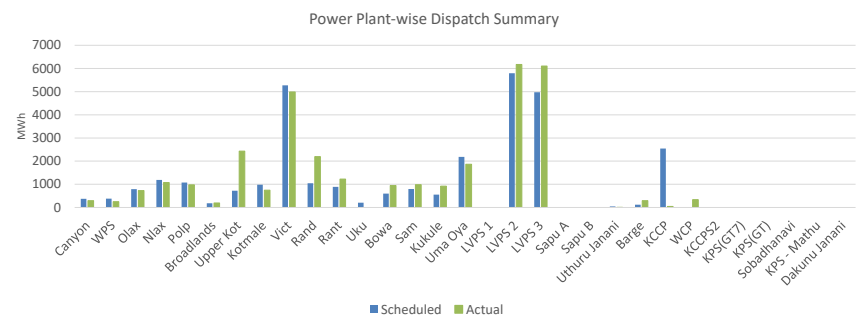


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	17,240	19,951	2,711
CEB Coal	10,767	12,304	1,537
CEB Thermal Oil	2,710	345	(2,365)
IPP Thermal Oil	-	332	332
NCRE (excluding non telemetered power plants)	6,520	5,036	(1,484)
Total	**37,236**	**37,968**	**732**

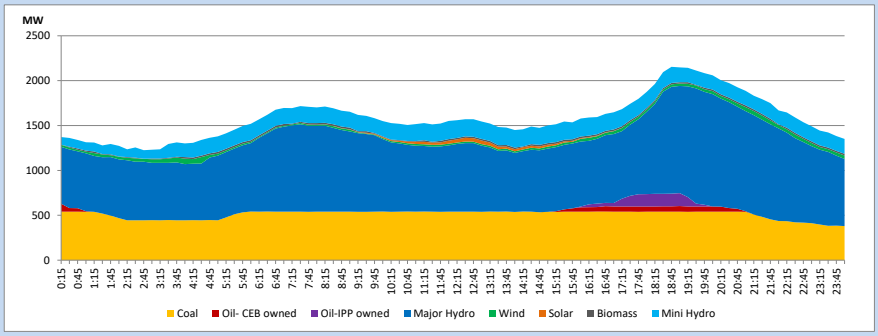
1.12 Power Plant-wise Dispatch Summary

January 19, 2025



1.13 Daily Load Curve

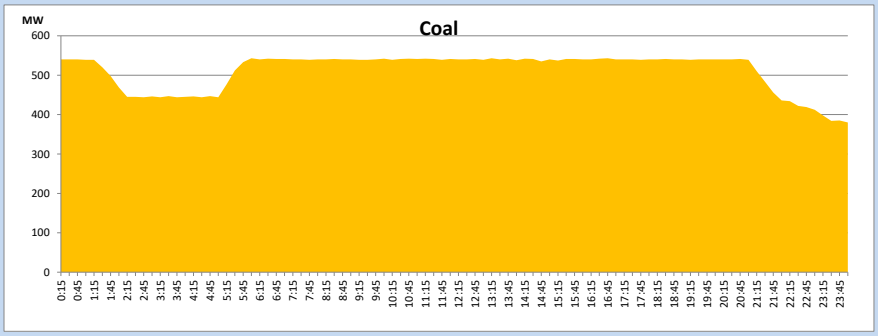
January 19, 2025



Solar and wind data is based on Telemetered Power Stations only

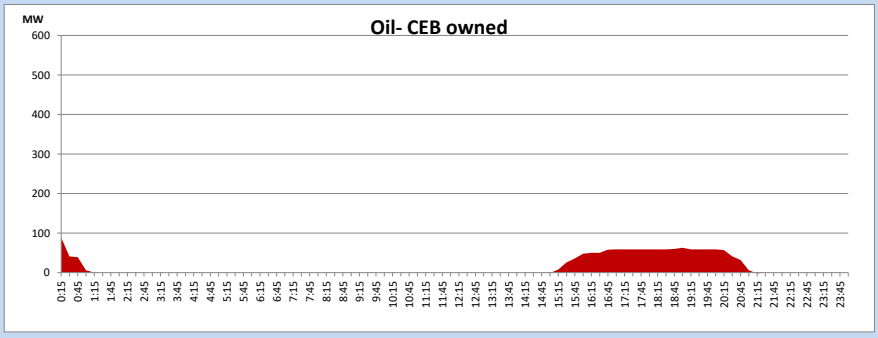
Coal Generation during

January 19, 2025

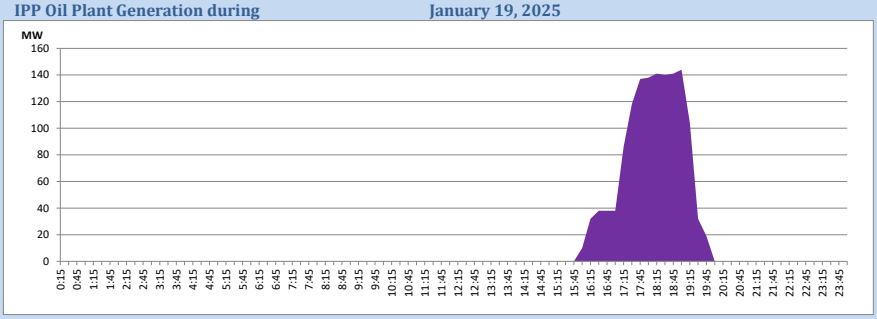


CEB Oil Plant Generation during

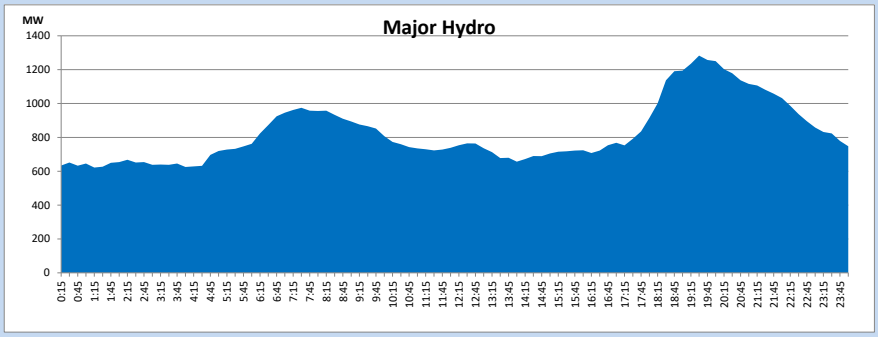
January 19, 2025



IPP Oil Plant Generation during January 19, 2025

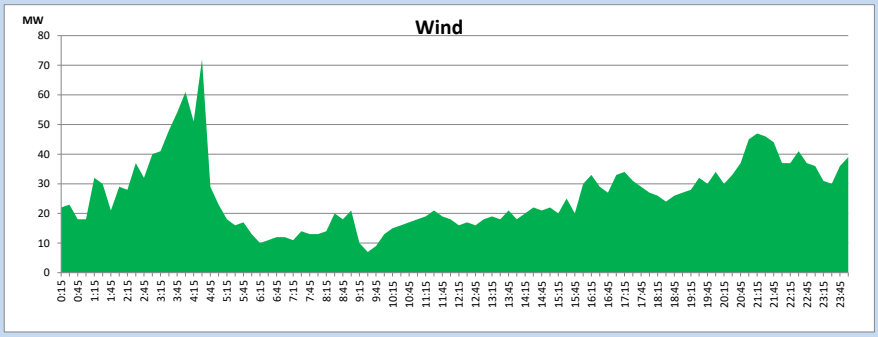


Major Hydro Generation during January 19, 2025



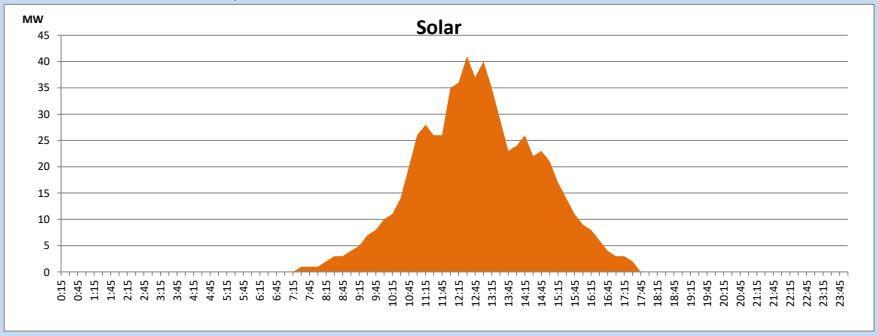
Wind Generation during January 19, 2025

Based on Telemetered Power Stations only



Solar Generation during January 19, 2025

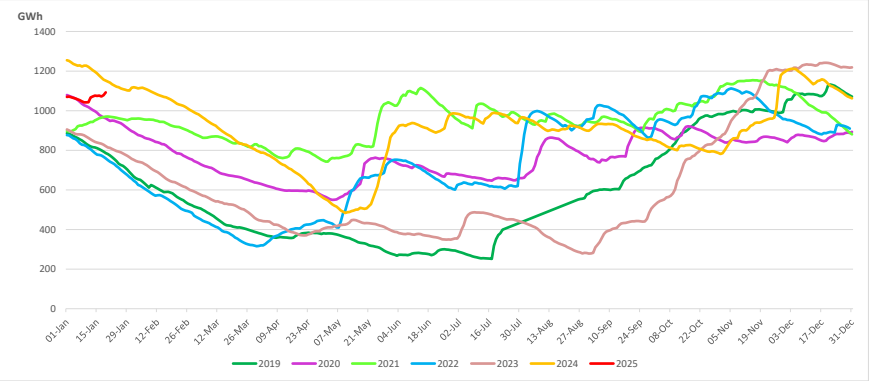
Based on Telemetered Power Stations only



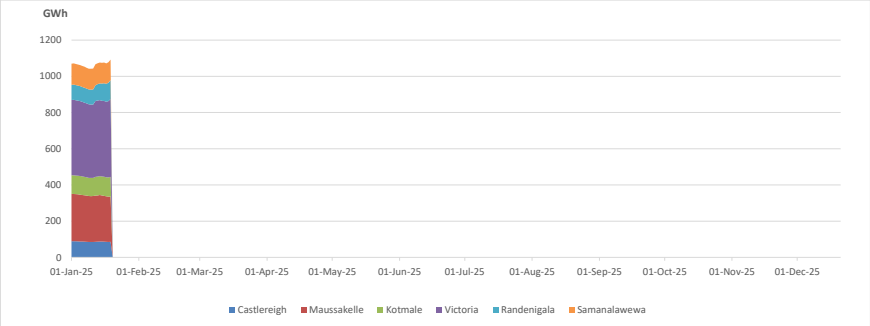
1.14 Major Incidents reported during the day January 19, 2025

1) Chunnakam 33kV feeder 07 tripped and A/R at 15:05hrs due to the operation of O/C and E/F protection. At the same time, Chunnakam 132/33kV T/F 03 tripped from both ends. The T/F was normalized at 15:19hrs.
2) Old Laxapana Unit 02 tripped at 17:35hrs rejecting 6MW from the system, due to a nozzle malfunction. The unit resumed generation at 18:35hrs.
3) Bowathenna reservoir spilling started at 09:00hrs, and stopped at 06:00hrs (20.01.2025).
4) Rantambe pond spilling started at 12:01hrs, and stopped at 05:38hrs (20.01.2025).
5) Uma Oya Dyraaba pond spilling stopped at 21:40hrs, and started again at 22:35hrs. Both Dyraaba and Puhulpola ponds' spilling continues to the present hour.

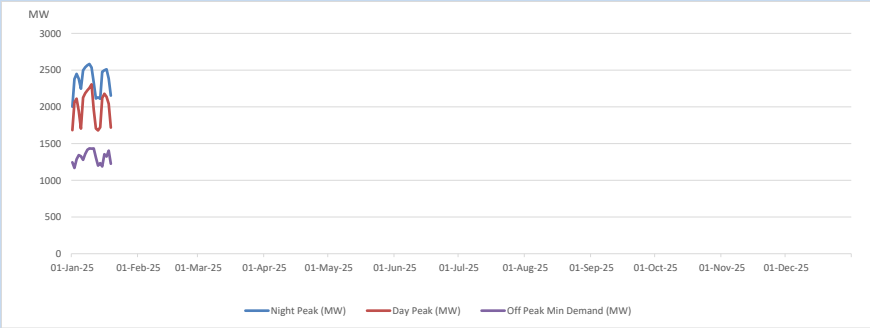
2. Comparison of Total Reservoir Storage Levels with Past Years



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

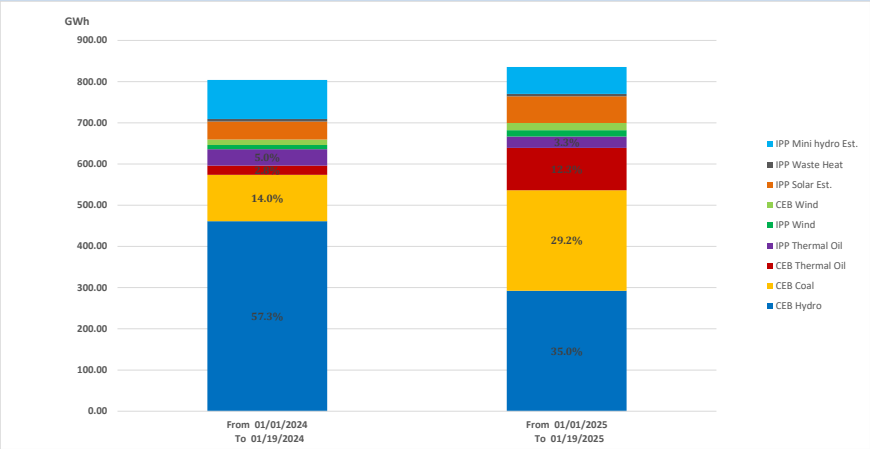


4. Variation of Demand during the current year



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 01/19/2024	**804 GWh**
From 01/01/2025 To 01/19/2025	**836 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 Capcity

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