

Generation and Reservoirs Statistics

February 26, 2025



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix

February 26, 2025

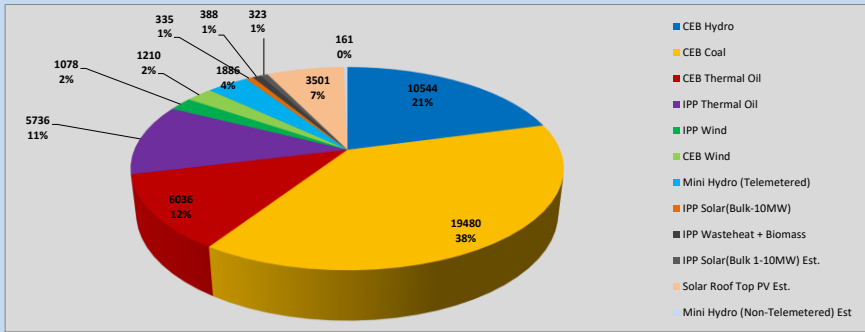


Table 01

	Generation (MWh)
CEB Hydro	10,544
CEB Coal	19,480
CEB Thermal Oil	6,036
IPP Thermal Oil	5,736
IPP Wind	1,078
CEB Wind	1,210
Mini Hydro (Telemetered)	1,886
IPP Solar (Bulk)	335
IPP Waste heat + Biomass	388
Total Generation (Excluding estimated figures)	46,693
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	161
* Estimated IPP Solar PV (Bulk 1-10MW)	323
* Estimated Solar Roof Top PV (including LECO)	3,501
Total Generation (Including estimated figures)	50,678

* Estimated figures have been taken from the CEB generation report, and additional LECO RT generation estimate has been included.

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	359	30.09%
CEB Coal	354	29.72%
CEB Thermal Oil	147	12.33%
IPP Thermal	122	10.24%
IPP Wind	14	1.21%
CEB Wind	15	1.24%
Mini Hydro *	59	4.99%
IPP Solar *	109	9.14%
IPP Waste heat + BMP	12	1.04%
Total	1,193	

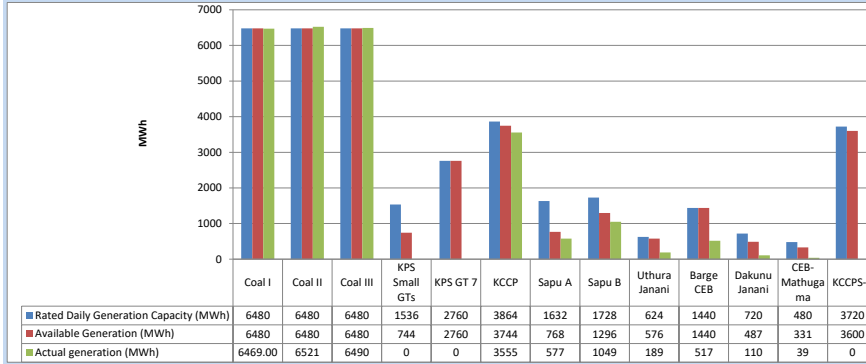
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	892	34.34%
CEB Coal	763	29.36%
CEB Thermal Oil	272	10.48%
IPP Thermal	167	6.44%
IPP Wind	38	1.47%
CEB Wind	42	1.60%
Mini Hydro *	171	6.59%
IPP Solar *	229	8.83%
IPP Waste heat	23	0.89%
Total	2,597	

*Including estimated contribution from non telemetered plants

1.2 CEB owned Thermal Plant Dispatch

February 26, 2025

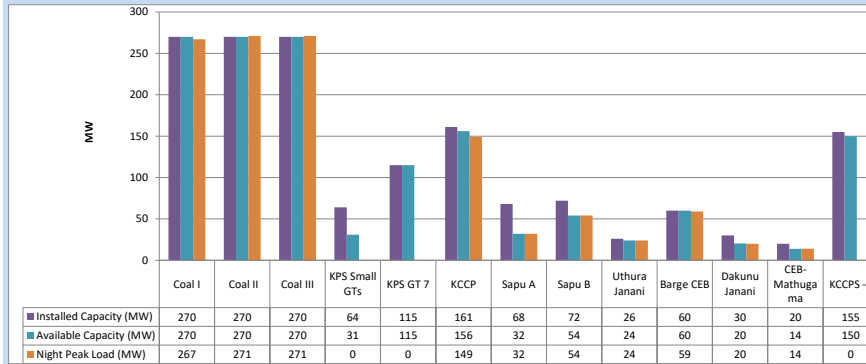


Available Generation is estimated based on plant availability at 6.00am on

February 27, 2025

1.3 CEB owned Thermal Plant Loading at the Night Peak

February 26, 2025

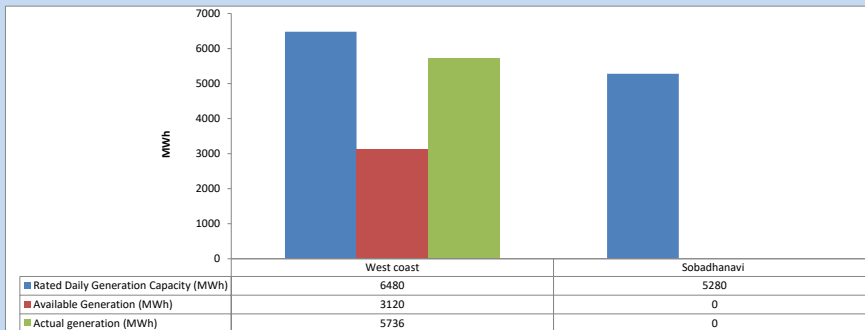


Plant availability is recorded at 6.00 am on

February 27, 2025

1.4 IPP owned Thermal Plant Dispatch

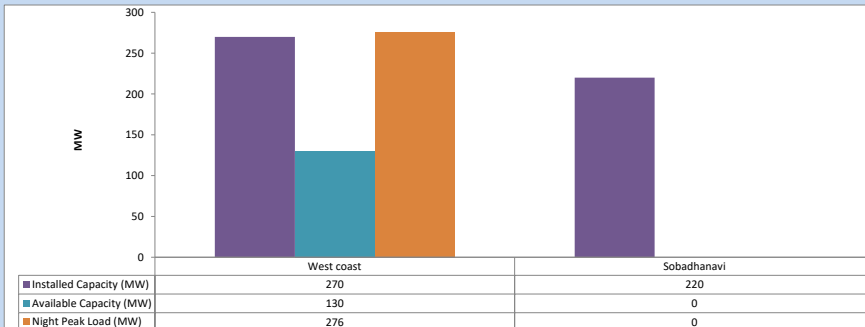
February 26, 2025



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

February 27, 2025

1.5 IPP owned Thermal Plant Loading at the Night Peak

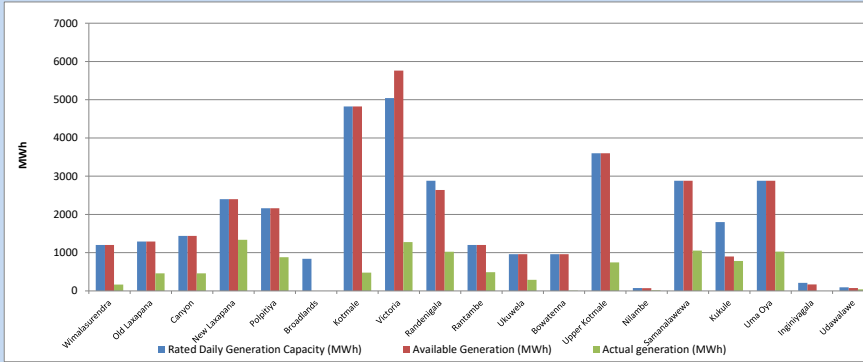


Plant availability is recorded at 6.00 am on

February 27, 2025

1.6 Major Hydro Plant Dispatch

February 26, 2025

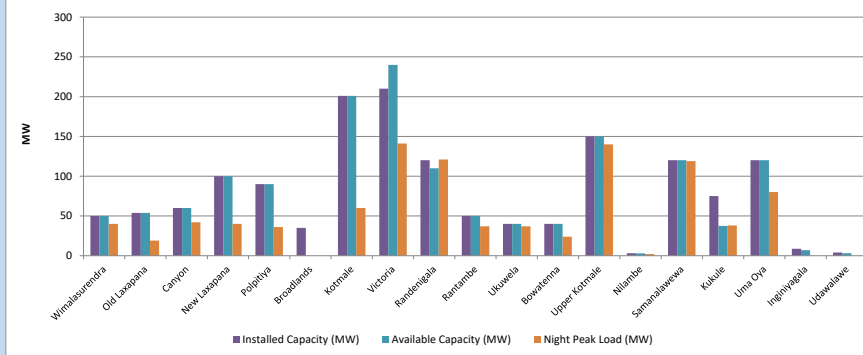


Available Generation is estimated based on plant availability at 6.00am on

February 27, 2025

1.7 Major Hydro Plant Loading at Night Peak

February 26, 2025



Plant availability is recorded at 6.00 am on

February 27, 2025

1.8 Summary of Major Plant performance

February 26, 2025

Table 04

Plant	Maximum Available Total Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	40	164
Old Laxapana	54	54	19	461
Canyon	60	60	42	460
New Laxapana	100	100	40	1,338
Polpitiya	90	90	36	880
Broadlands	35	0	0	0
Kotmale	201	201	60	480
Victoria	210	240	141	1,276
Randenigala	120	110	121	1,023
Rantambe	50	50	37	490
Ukuwela	40	40	37	291
Bowatenna	40	40	24	9
Upper Kotmale	150	150	140	744
Nilambe	3	3	2	17
Samanalawewa	120	120	119	1,056
Kukule	75	38	38	785
Uma Oya	120	120	80	1,027
Inginigala	9	7	0	0
Udawalawe	4	3	0	43
Puttalam Coal I	270	270	267	6,469
Puttalam Coal II	270	270	271	6,521
Puttalam Coal III	270	270	271	6,490
KPS Small GTs	64	31	0	0
KPS GT 7	115	115	0	0
KCCP	161	156	149	3,555
Sapugaskanda A	68	32	32	577
Sapugaskanda B	72	54	54	1,049
Uthura Janani	26	24	24	189
Barge CEB	60	60	59	517
CEB-Hambantota	30	20	20	110
CEB-Mathugama	20	14	14	39
KCCPS-2	155	150	0	0
West Coast	270	130	276	5,736
Sobadhanavi	220	0	0	0
Total	3,602	3,072	2,626	41,796

Note- Excluding NCRE generation

Plant availability is the availability recorded at 6 am on

February 27, 2025

1.9 Contribution to the Night Peak in MW

February 26, 2025

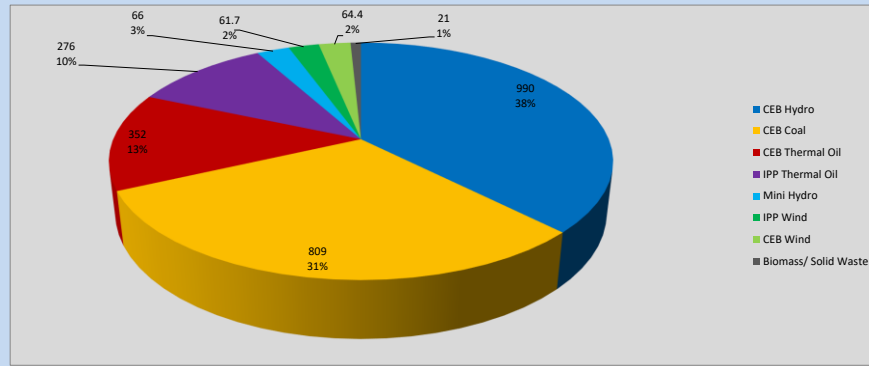


Table 05

CEB Hydro	990	MW
CEB Coal	809	MW
CEB Thermal Oil	352	MW
IPP Thermal Oil	276	MW
Mini Hydro (Telemetered)	66	MW
IPP Wind	61.7	MW
CEB Wind	64.4	MW
Biomass/ Solid Waste	21	MW

Recorded Peak Demand Data

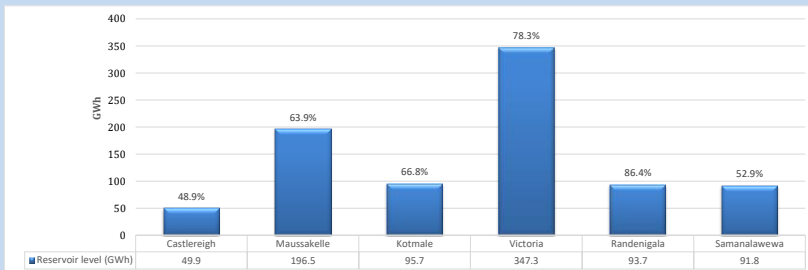
Table 06

Night Peak*	2,640	MW
Day Peak Maximum Demand	2,363	MW
Day Peak Minimum Demand	1,719	MW
Off Peak Minimum Demand	1,588	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 February 27, 2025



Total Reservoir Level
% of Total capacity

875 GWh
68.4%

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

February 26, 2025

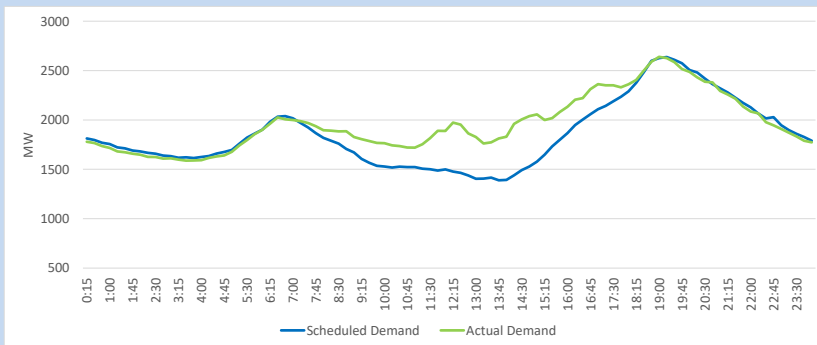
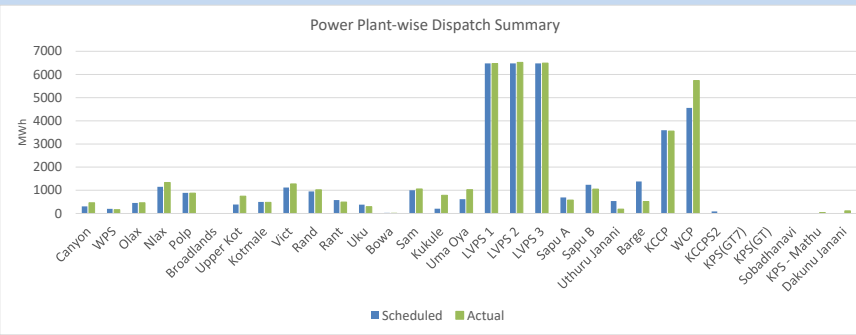


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	8,767	10,544	1,777
CEB Coal	19,440	19,480	40
CEB Thermal Oil	7,538	6,036	(1,502)
IPP Thermal Oil	4,558	5,736	1,178
NCRE (excluding non telemetered power plants)	4,096	4,897	801
Total	44,399	46,693	2,294

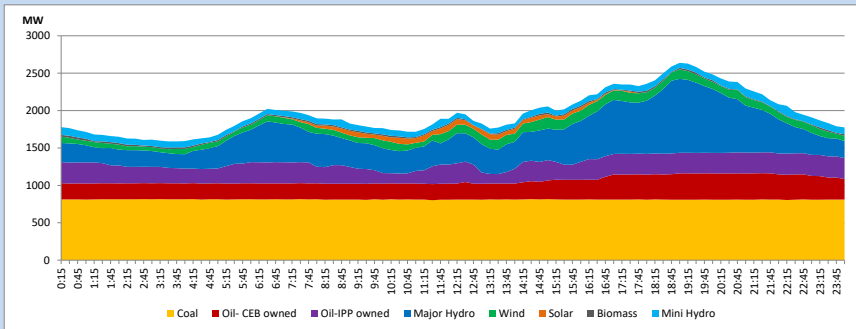
1.12 Power Plant-wise Dispatch Summary

February 26, 2025



1.13 Daily Load Curve

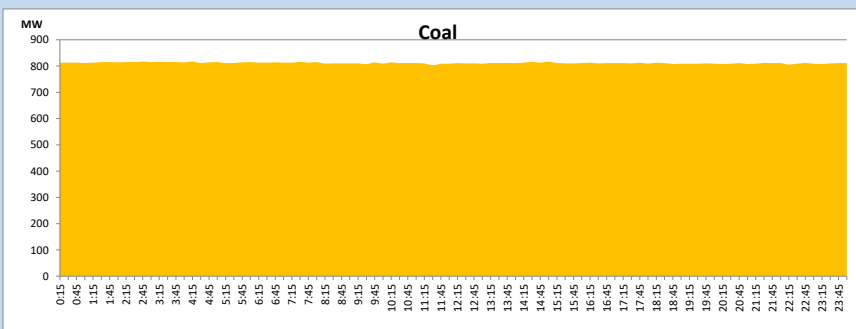
February 26, 2025



Solar and wind data is based on Telemetered Power Stations only

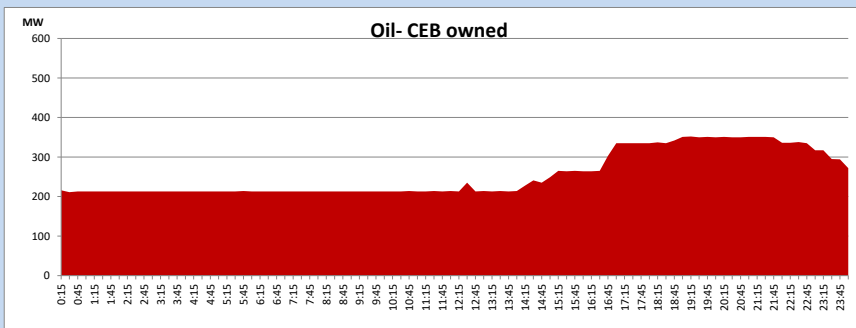
Coal Generation during

February 26, 2025



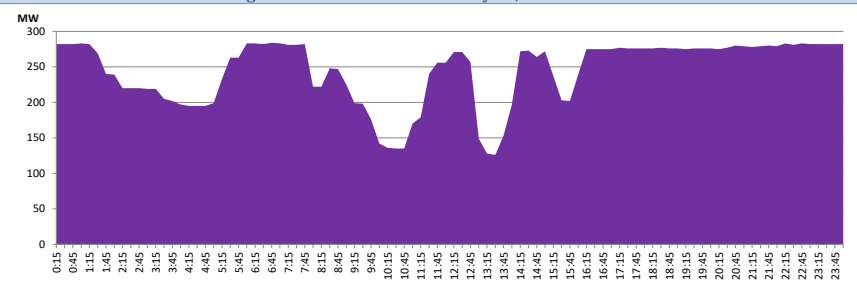
CEB Oil Plant Generation during

February 26, 2025



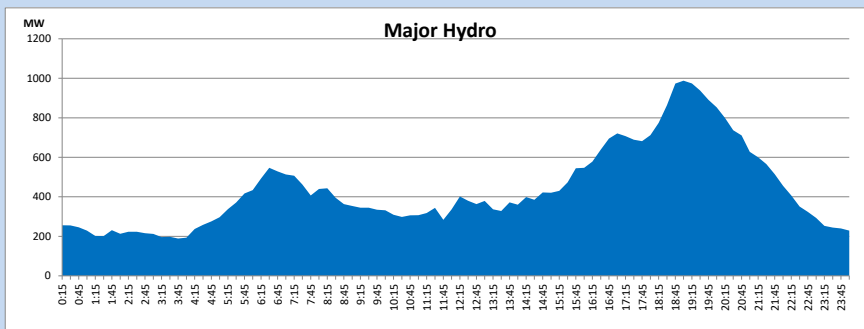
IPP Oil Plant Generation during

February 26, 2025



Major Hydro Generation during

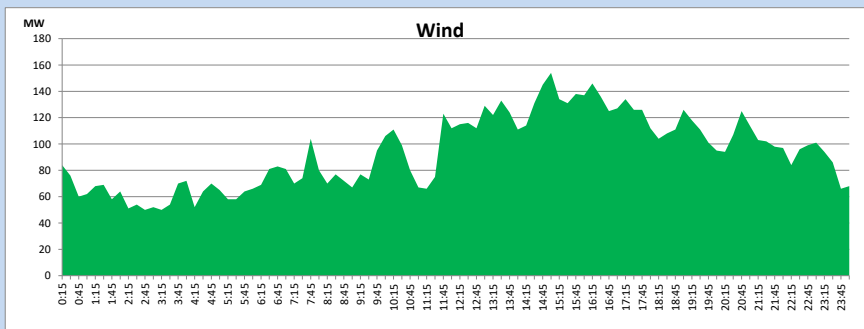
February 26, 2025



Wind Generation during

February 26, 2025

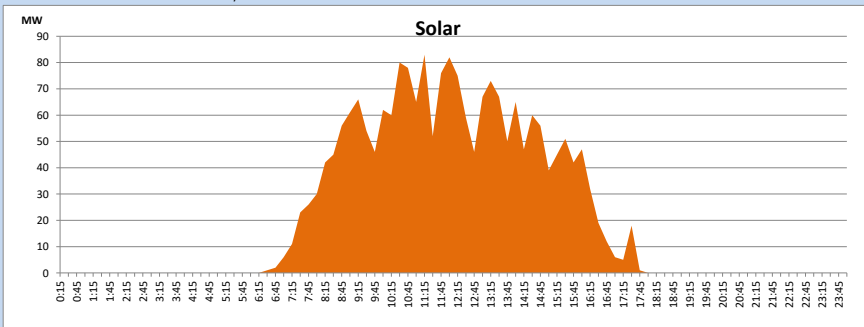
Based on Telemetered Power Stations only



Solar Generation during

February 26, 2025

Based on Telemetered Power Stations only

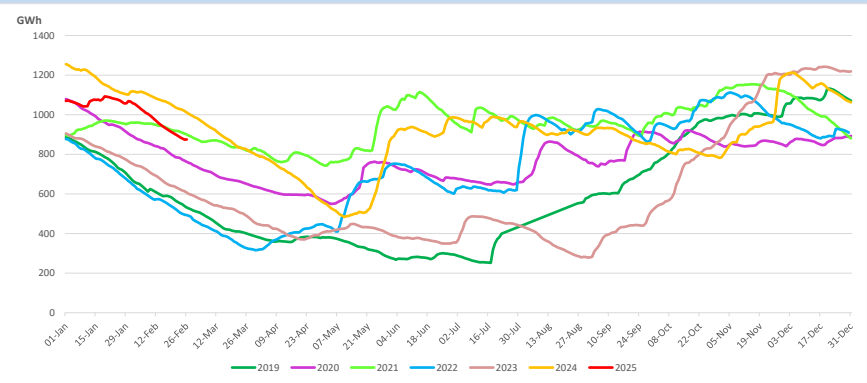


1.14 Major Incidents reported during the day

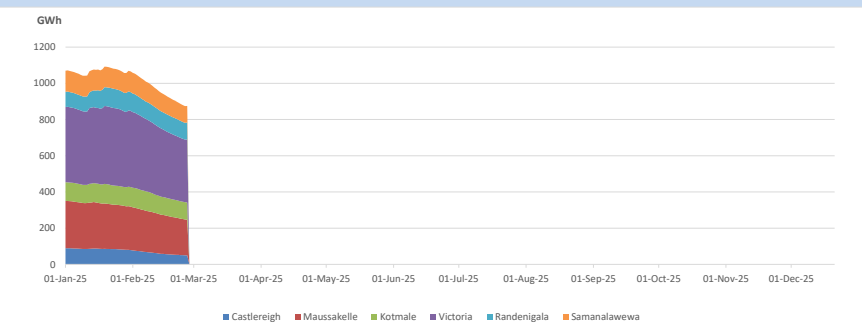
February 26, 2025

- 1) KCCPS2 ST, which tripped on 24.02.2025, made available for generation at 07:53hrs.
- 2) New Anuradhapura - Trincomalee cct tripped from both ends at 17:23hrs due to the operation of distance protection. New Anuradhapura - Trincomalee cct tripped again from Trincomalee end while attempting to re-energize at 17:33hrs with distance protection. The cct is yet to be restored.
- 3) New Laxapana Unit 02 tripped at 18:19hrs rejecting 25MW from the system due to Thrust bearing tank oil level too high alarm. The unit synchronized for a test run at 19:39hrs and tripped again at 19:45hrs rejecting 15MW from the system due to the same reason. The unit resumed generation at 21:07hrs
- 4) WCP deloaded to 204MW from 05:52hrs (27.02.2025) due to bleed valve fault. WCP reached full load at 06:07hrs.

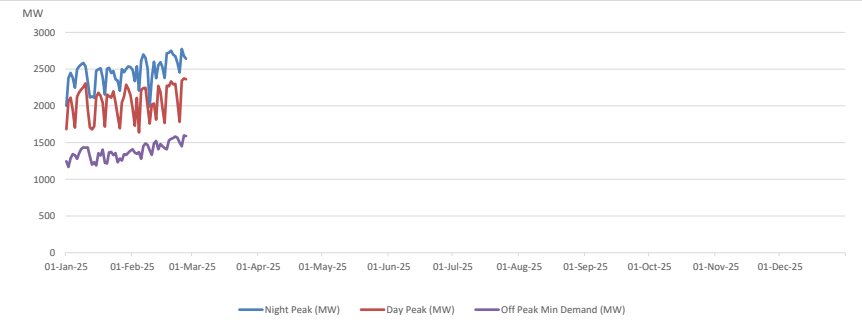
2. Comparison of Total Reservoir Storage Levels with Past Years



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

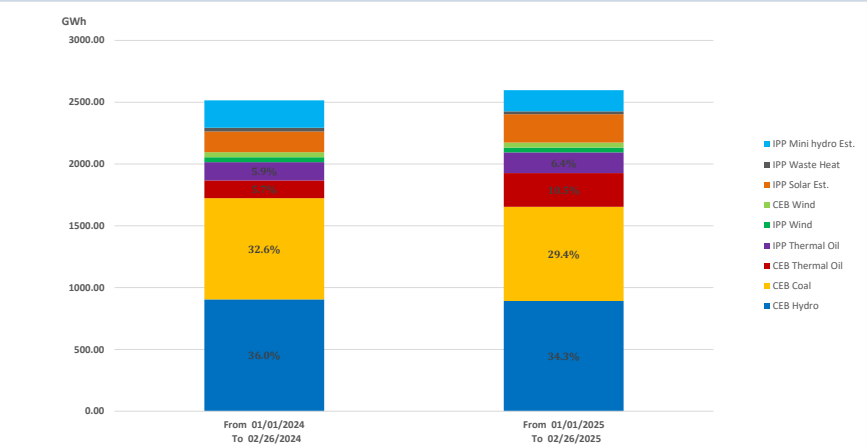


4. Variation of Demand during the current year



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 02/26/2024 2,515 GWh
From 01/01/2025 To 02/26/2025 2,597 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	253

Data Source - Monthly Review Report Oct 2024 for NCRE installed capacities except for Rooftop solar LECO