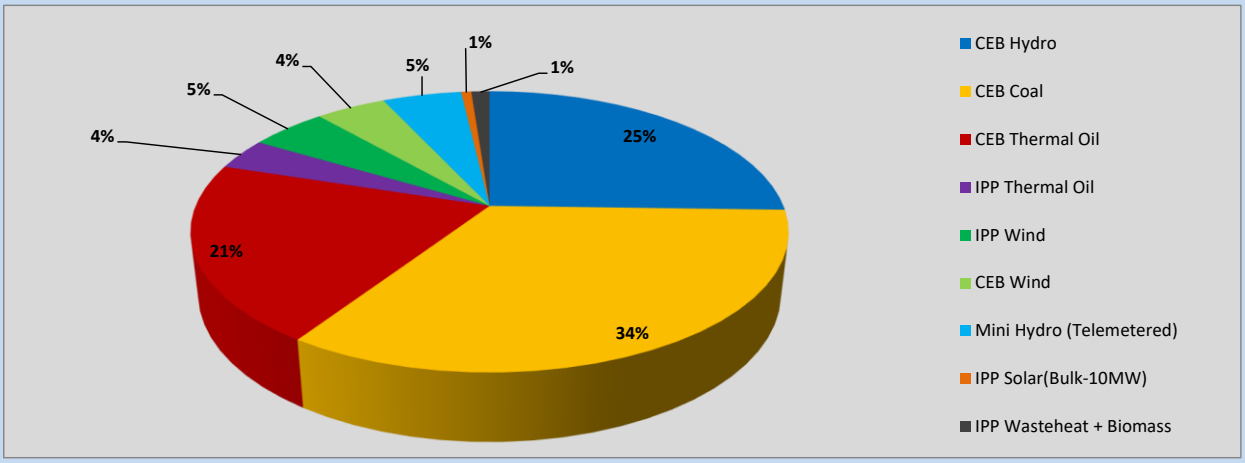
Generation and Reservoirs Statistics

July 2, 2023

PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix in MWh



CEB Hydro	8,430	MWh
CEB Coal	11,217	MWh
CEB Thermal Oil	6,829	MWh
IPP Thermal Oil	1,197	MWh
IPP Wind	1,648	MWh
CEB Wind	1,506	MWh
Mini Hydro (Telemetered)	1,692	MWh
IPP Solar (Bulk)	216	MWh
IPP Wasteheat + Biomass	392	MWh
Total Generation (Excluding estimated figures)	**33,127**	**MWh**

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 1818 MWh

Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh

Estimated Solar Roof Top PV = 1650 MWh

2. Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

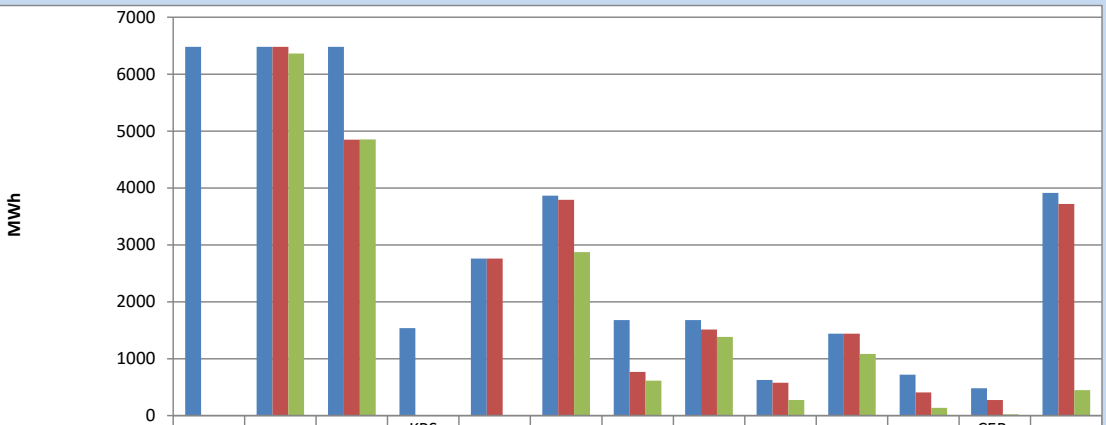
For Current Month

Category	Dispatch (GWh)	
CEB Hydro	15	21.67%
CEB Coal	22	32.18%
CEB Thermal Oil	14	20.68%
IPP Thermal	6	8.39%
SPP Wind	4	5.23%
CEB Wind	3	4.96%
Mini Hydro (Telemetered)	3	4.86%
IPP Solar(Bulk-10MW)	1	0.80%
IPP Wasteheat + BMP	1	1.23%
Total	**70**	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,753	24.96%
CEB Coal	2,905	41.37%
CEB Thermal Oil	1,098	15.64%
IPP Thermal	660	9.40%
SPP Wind	155	2.21%
CEB Wind	168	2.39%
Mini Hydro (Telemetered)	169	2.41%
IPP Solar(Bulk-10MW)	54	0.76%
IPP Wasteheat	61	0.87%
Total	**7,023**	

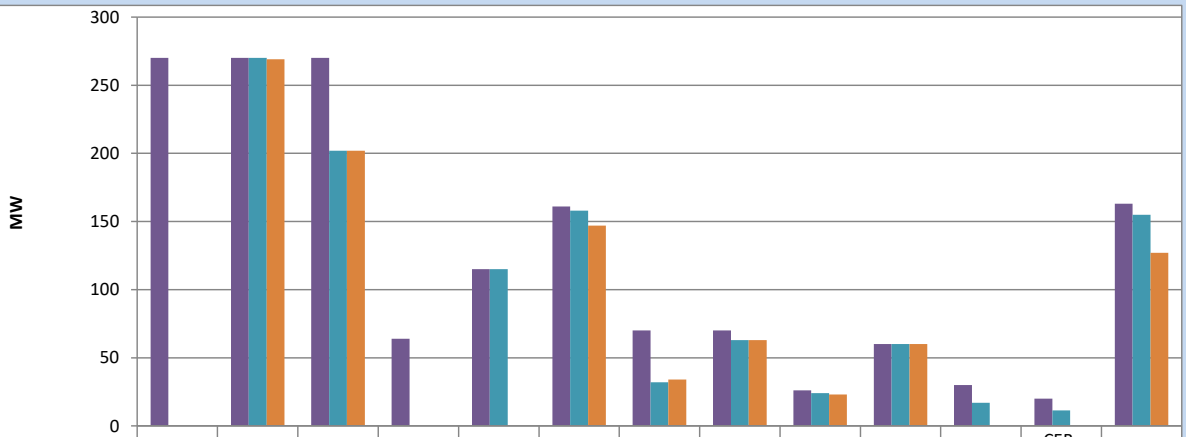
3. CEB owned Thermal Plant Dispatch July 2, 2023



	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	1680	1680	624	1440	720	480	3912
Available Generation (MWh)	0	6480	4848	0	2760	3792	768	1512	576	1440	408	274	3720
Actual generation (MWh)	0	6363	4854	0	0	2873	612	1384	273	1084	135	21	447

Available Generation is estimated based on plant availability at 6.00am on July 3, 2023

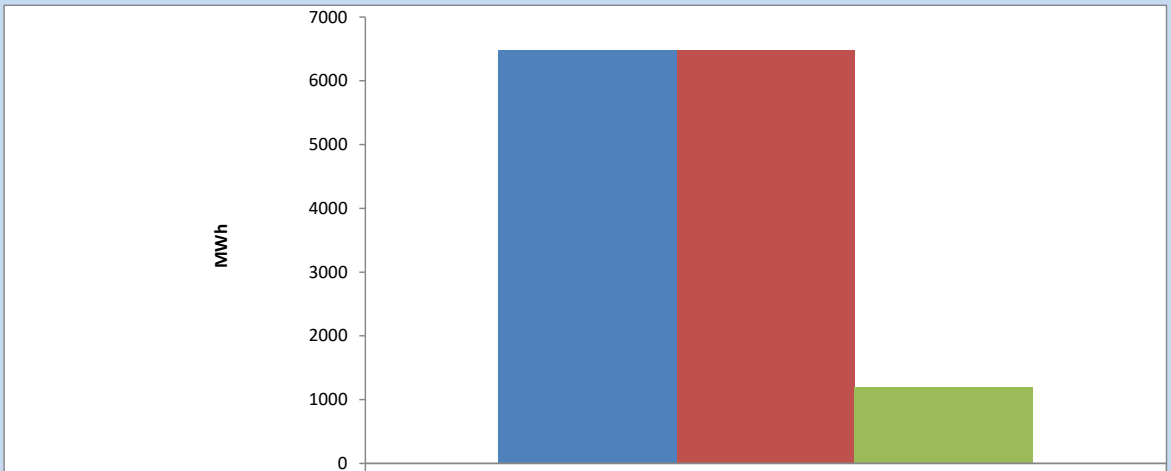
4. CEB owned Thermal Plant Loading at the Night Peak



	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	70	70	26	60	30	20	163
Available Capacity (MW)	0	270	202	0	115	158	32	63	24	60	17	11	155
Night Peak Load (MW)	0	269	202	0	0	147	34	63	23	60	0	0	127

Plant avilability is recorded at 6.00 am on July 3, 2023

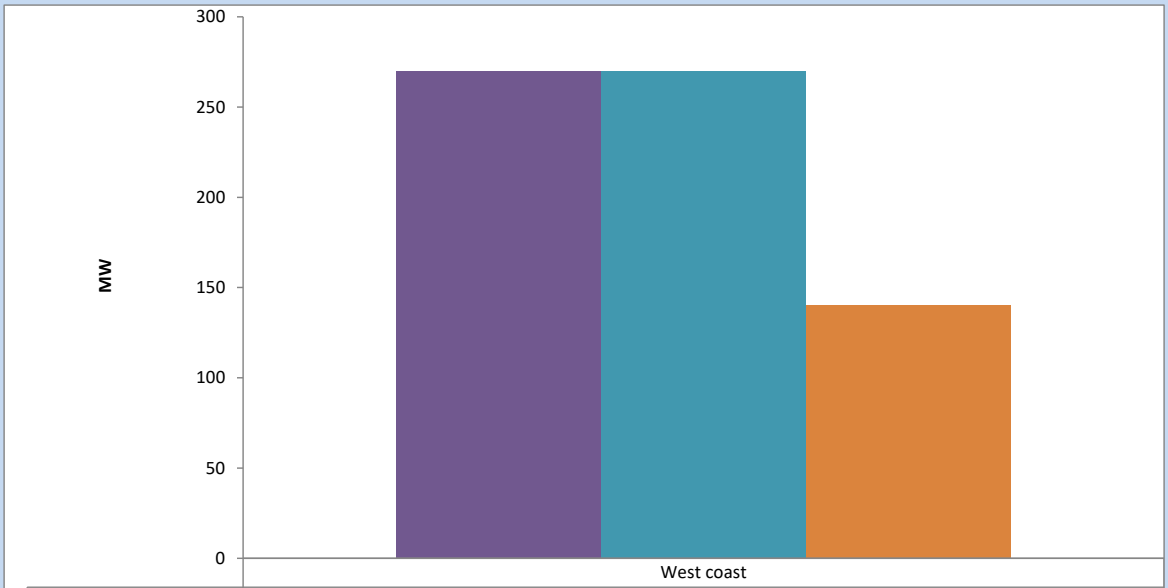
5. IPP owned Thermal Plant Dispatch July 2, 2023



	West coast
Rated Daily Generation Capacity (MWh)	6480
Available Generation (MWh)	6480
Actual generation (MWh)	1197

Available Generation is estimated based on plant availability at 6.00am on July 3, 2023

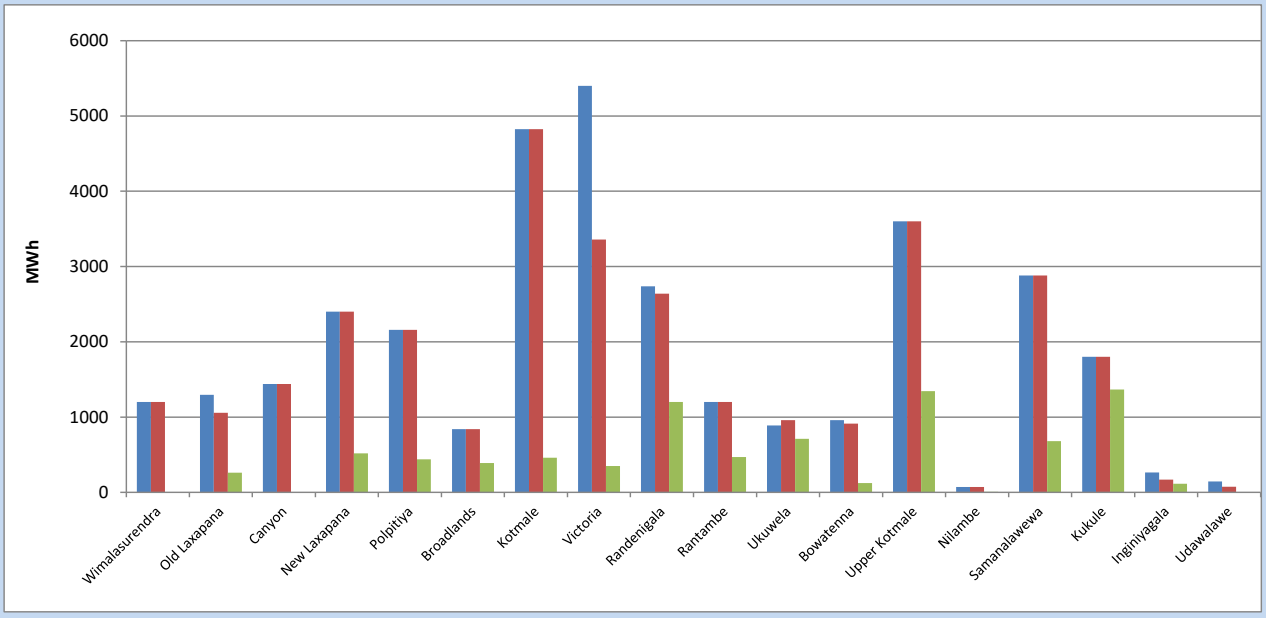
6. IPP owned Tharmal Plant Loading at the Night Peak



	West coast
Installed capacity (MW)	270
Available capacity (MW)	270
Night peak load (MW)	140

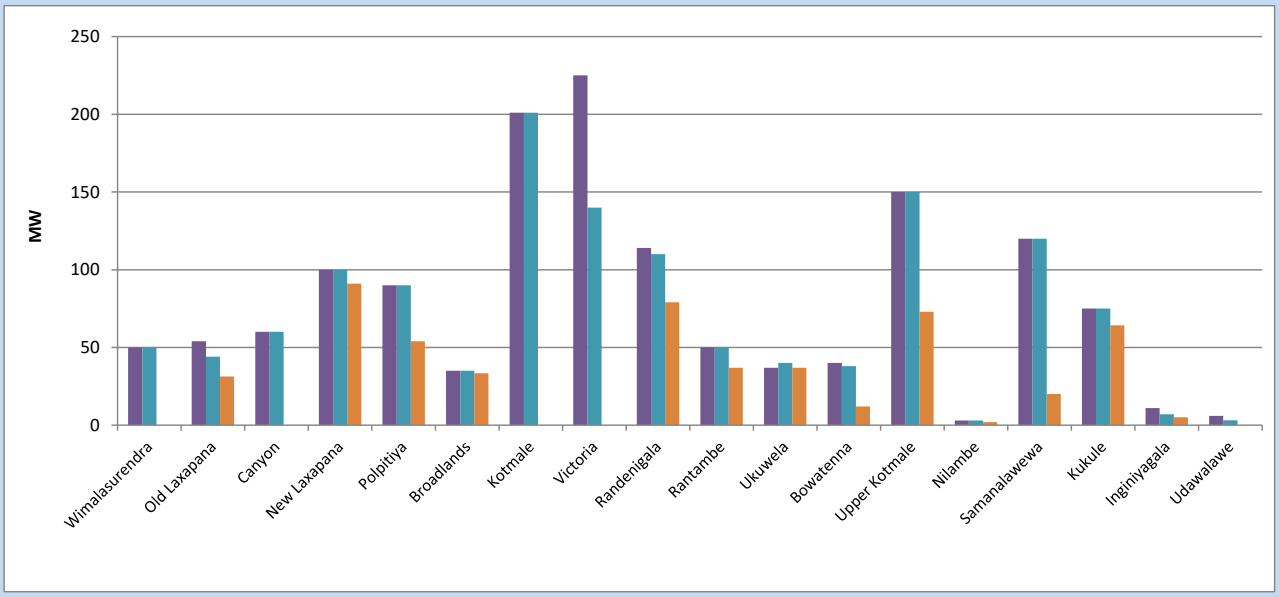
Plant avilability is recorded at 6.00 am on July 3, 2023

7. Major Hydro Plant Dispatch July 2, 2023



Available Generation is estimated based on plant availability at 6.00am on July 3, 2023
Broadlands power plant is operating in the Commissioning Stage

8. Major Hydro Plant Loading at Night Peak July 2, 2023



Plant avilability is recorded at 6.00 am on July 3, 2023
Broadlands power plant is operating in the Commissioning Stage

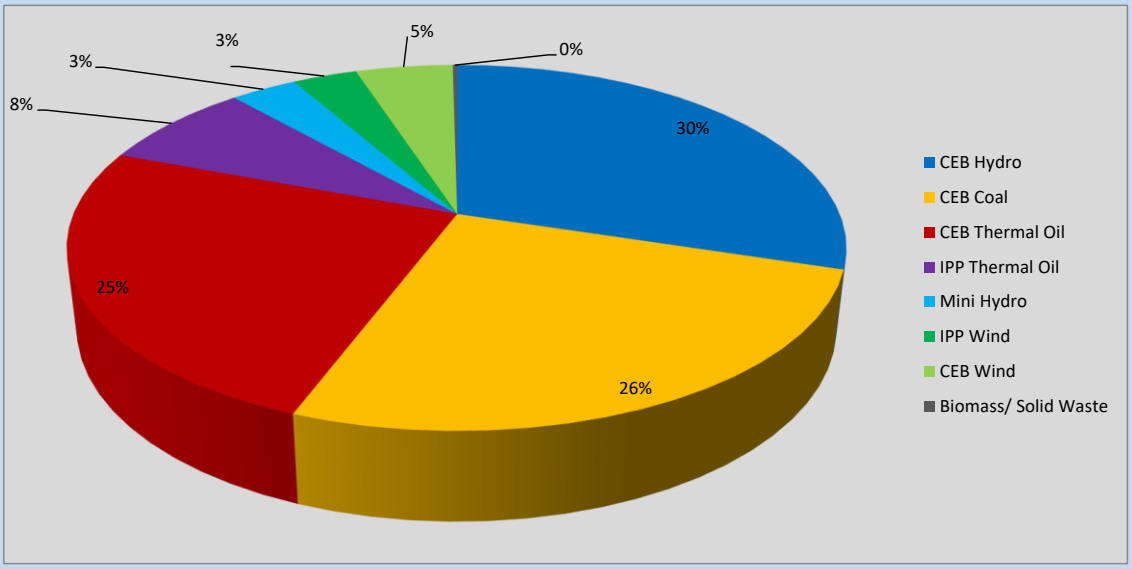
9. Summary of Major Plant performance

Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	0	0
Old Laxapana	54	44	31	262
Canyon	60	60	0	0
New Laxapana	100	100	91	519
Polpitiya	90	90	54	437
Broadlands	35	35	33	389
Kotmale	201	201	0	460
Victoria	225	140	0	349
Randenigala	114	110	79	1,202
Rantambe	50	50	37	469
Ukuwela	37	40	37	712
Bowatenna	40	38	12	123
Upper Kotmale	150	150	73	1,343
Nilambe	3	3	2	6
Samanalawewa	120	120	20	680
Kukule	75	75	64	1,366
Inginiyagala	11	7	5	113
Udawalawe	6	3	0	0
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,363
Puttalam Coal III	270	202	202	4,854
KPS Small GTs	64	0	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	147	2,873
Sapugaskanda A	70	32	34	612
Sapugaskanda B	70	63	63	1,384
Uthura Janani	26	24	23	273
Barge CEB	60	60	60	1,084
CEB-Hambantota	30	17	0	135
CEB-Mathugama	20	11	0	21
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
KCCPS -2	163	155	127	447
West Coast	270	270	140	1,197
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,694	1,813	33,127

Plant availability is the availability recorded at 6 am on July 3, 2023

10. Contribution to the Night Peak in MW

July 2, 2023



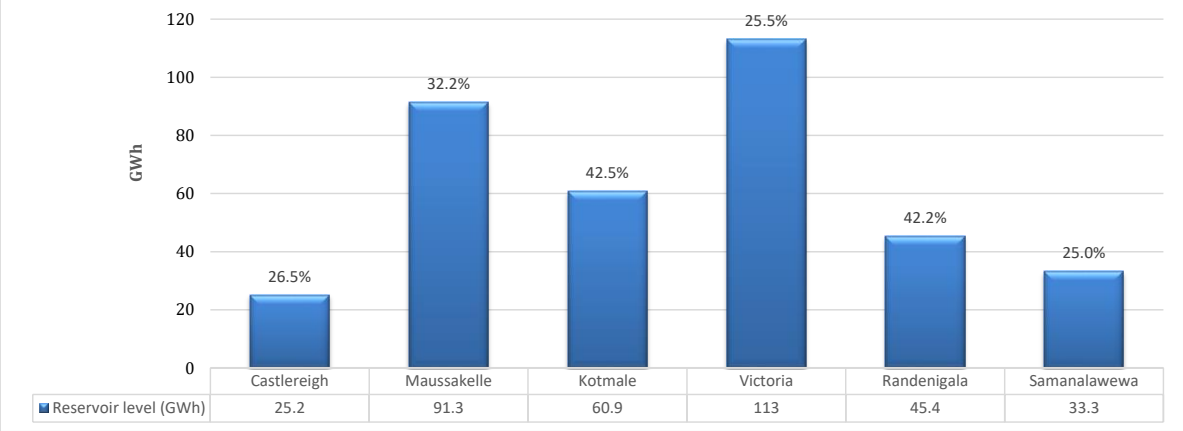
CEB Hydro	541 MW
CEB Coal	471 MW
CEB Thermal Oil	454 MW
IPP Thermal Oil	140 MW
Mini Hydro (Telemetered)	60 MW
IPP Wind	58 MW
CEB Wind	87.3 MW
Biomass/ Solid Waste	4 MW

Recorded Peak Demand Data

Night Peak*	1,815 MW
Day Peak Maximum Demand	1,354 MW
Day Peak Minimum Demand	1,239 MW
Off Peak Minimum Demand	1,136 MW

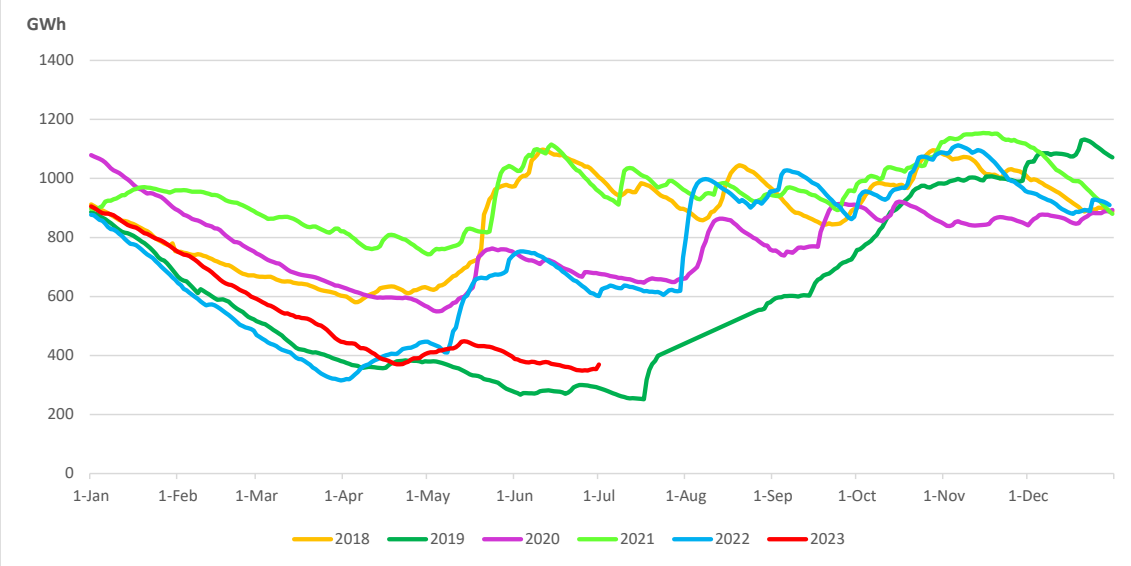
Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Reservoir Levels - as at 06.00 Hr on July 3, 2023

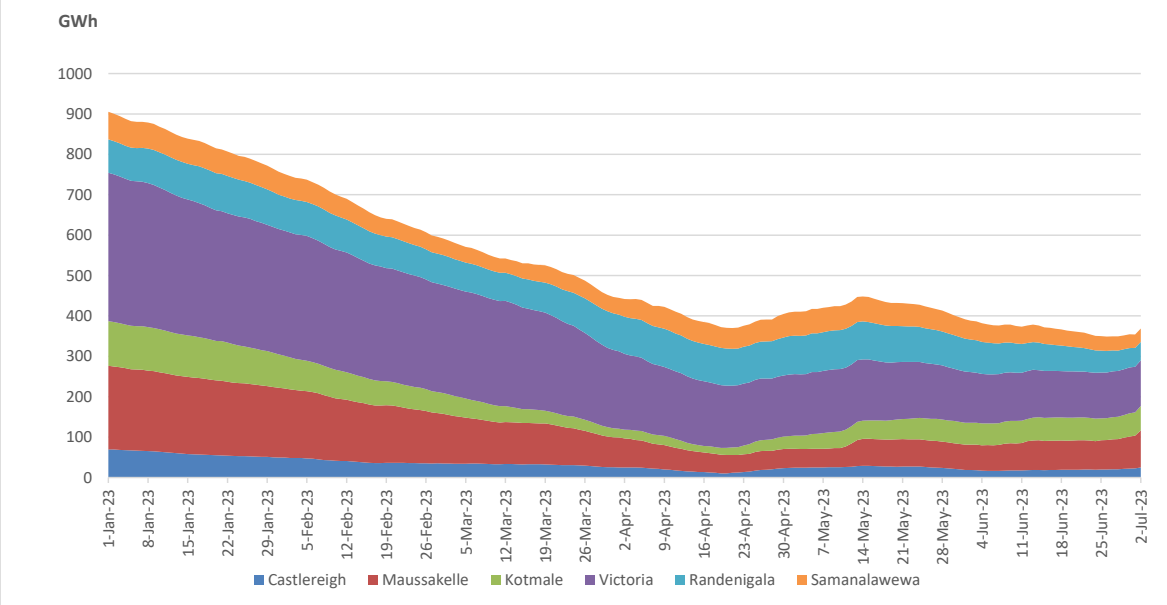


Total Reservoir Level	369.1 GWh
% of Total capacity	30.6%

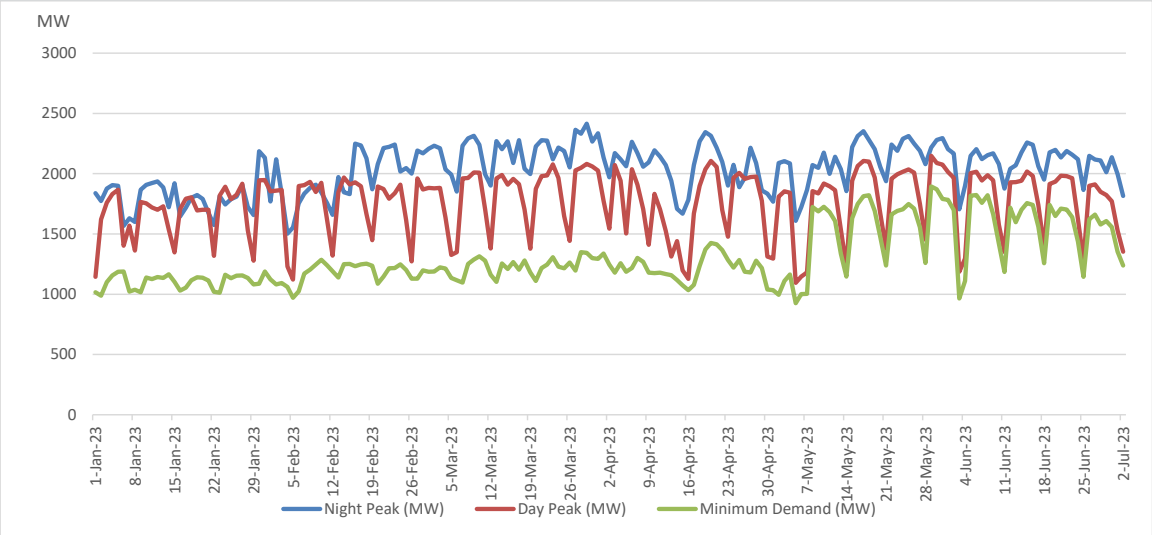
11. Comparison of Total Reservoir Storage Levels with Past Years



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

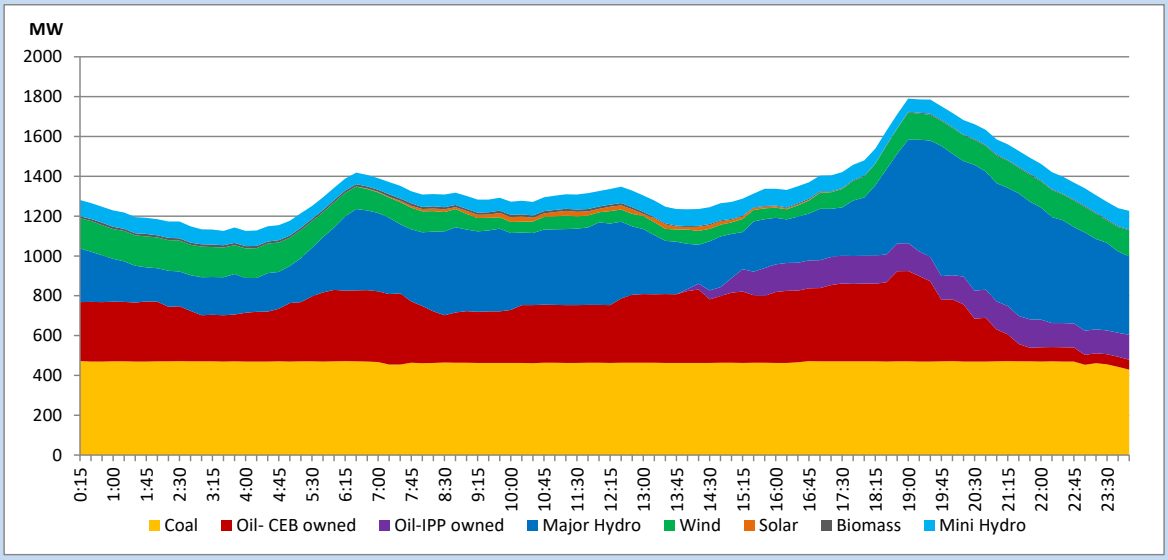


13. Variation of Demand during the current year



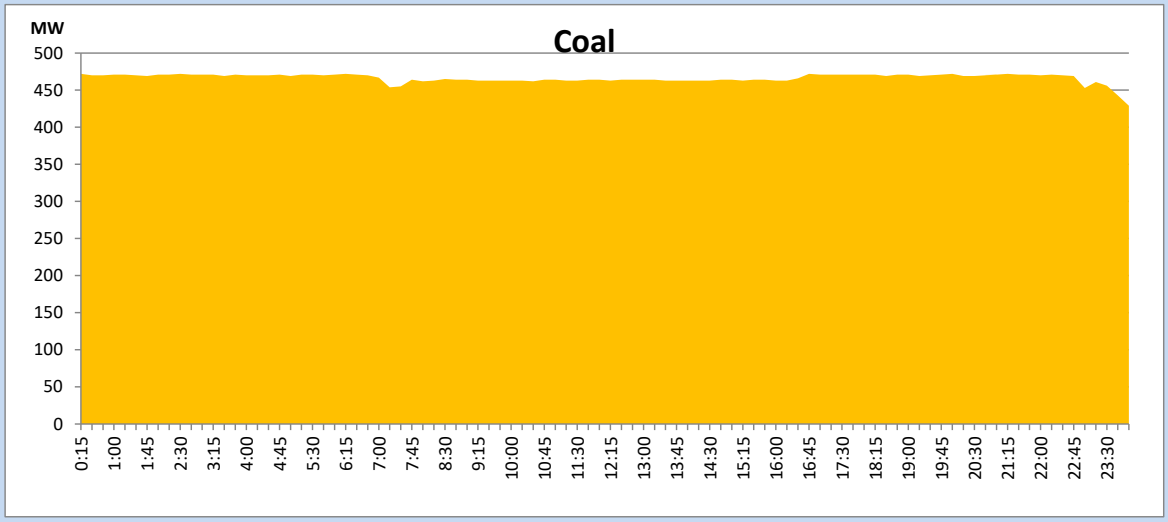
The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

14. Daily Load Curve July 2, 2023

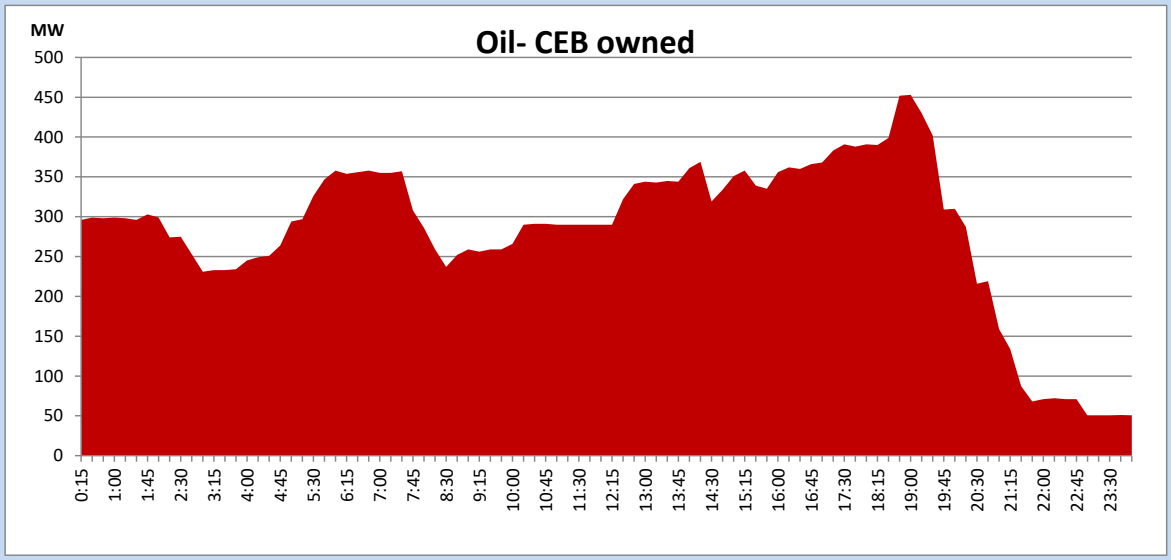


Solar and wind data is based on Telemetered Power Stations only

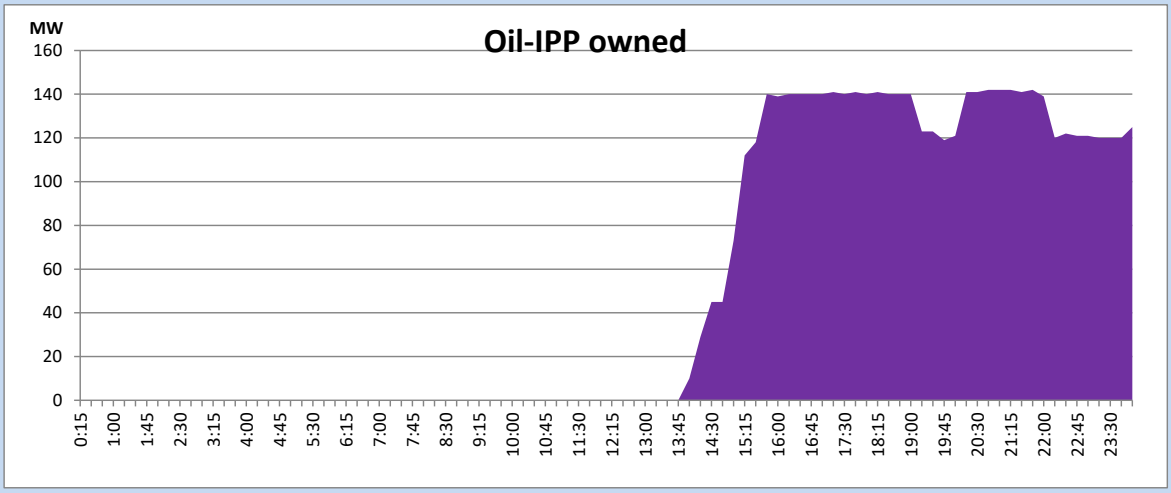
Coal Generation during July 2, 2023



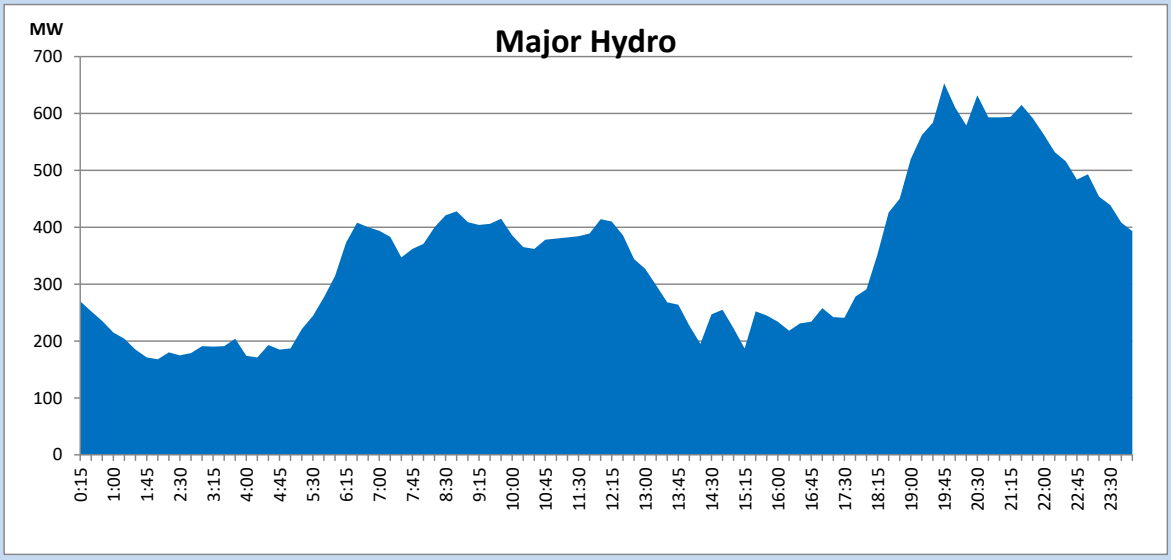
CEB Oil Plant Generation during July 2, 2023



IPP Oil Plant Generation during July 2, 2023

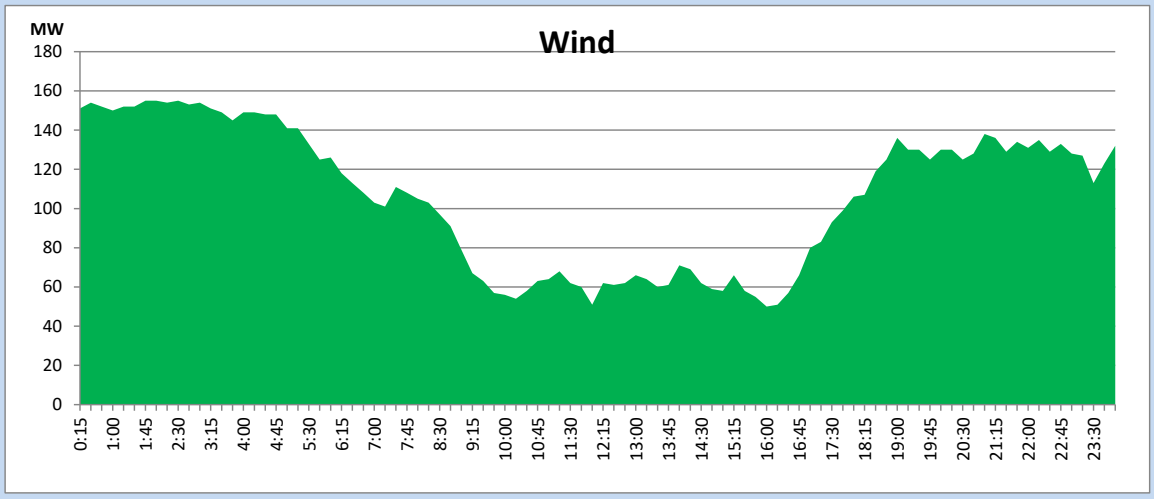


Major Hydro Generation during July 2, 2023



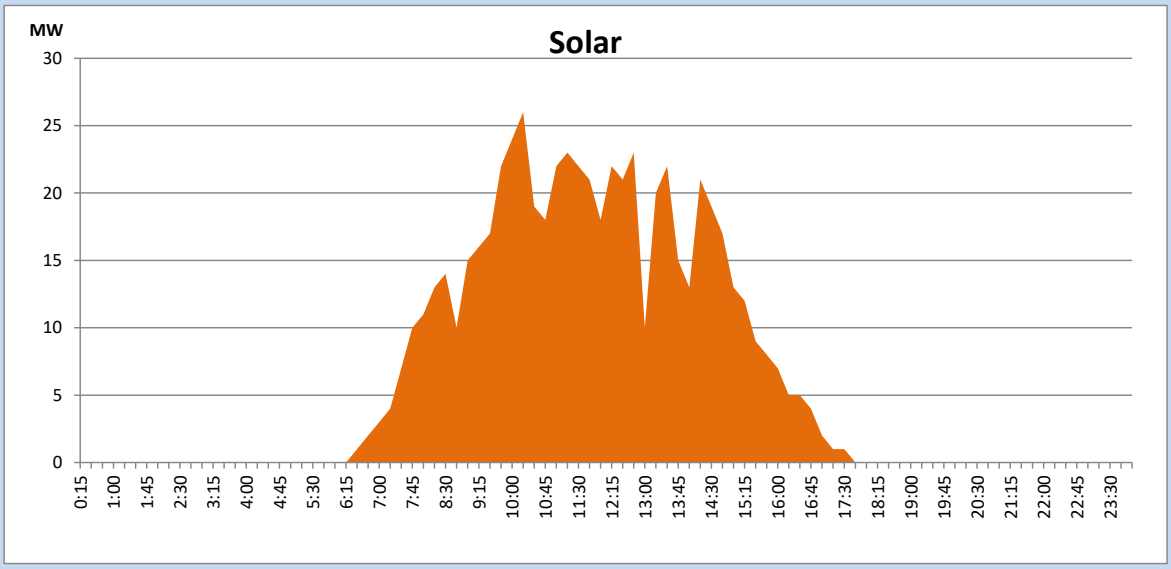
Wind Generation during July 2, 2023

Based on Telemetered Power Stations only

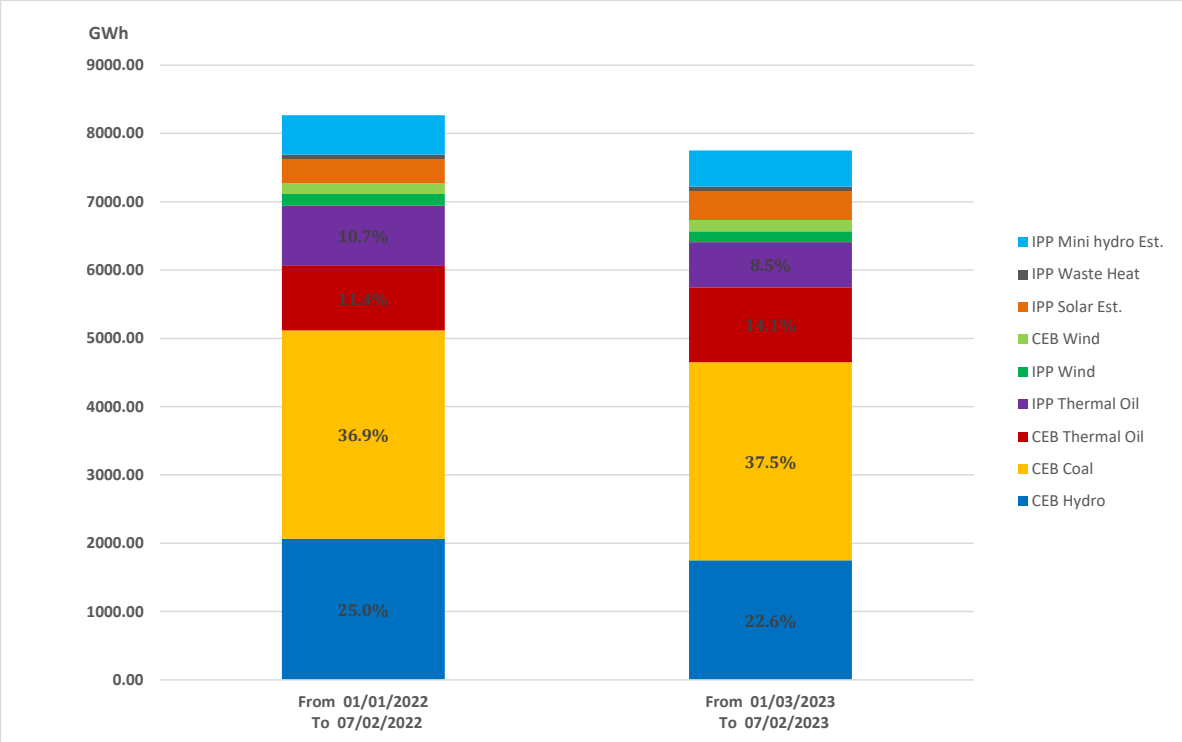


Solar Generation during July 2, 2023

Based on Telemetered Power Stations only



15. Cumulative Dispatch Comparison with Last Year



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

Cumulative dispatch

From 01/01/2022 To 07/02/2022	**8266.15 GWh**
From 01/01/2023 To 07/02/2023	**7756.00 GWh**

Thermal Plant Fuel types

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

Major Incidents reported during the day July 2, 2023

1) Old Laxapana, New laxapana & Polpitiya resumed generation at 17:29hrs, 18:06hrs & 18:47hrs respectively by temporarily halting Laxapana pond de-silting outage due to high inflows to Canyon and Norton Ponds.
2) Norton pond and Laxapana ponds started spilling at 2:42hrs and 3:15hrs respectively (03.07.2023).
3) WPS GSS 33kV B/S CB 02 tripped along with 33kV feeder 09 at 5:13hrs due to the operation of E/F protection. Feeder 09 and 33kV B/S were normalized by 5:19hrs. And the same B/S CB and feeder tripped again at 5:23hrs and the B/S CB was restored by 5:27hrs.(03.07.2023)