Generation and Reservoirs Statistics

June 3, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

Estimated figures of CEB generation report Estimated unserved energy = 0.00 GWh Estimated Mini Hydro (Non telemetered) = 2721 MWh Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh Estimated Solar Roof Top PV = 1890 MWh

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	28	24.16%
CEB Coal	50	42.87%
CEB Thermal Oil	23	19.55%
IPP Thermal	0	0.00%
SPP Wind	5	4.12%
CEB Wind	5	4.56%
Mini Hydro (Telemetered)	3	2.67%
IPP Solar(Bulk-10MW)	1	0.86%
IPP Wasteheat + BMP	1	1.21%
Total	116	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,509	25.68%
CEB Coal	2,545	43.32%
CEB Thermal Oil	870	14.81%
IPP Thermal	517	8.80%
SPP Wind	95	1.62%
CEB Wind	116	1.98%
Mini Hydro (Telemetered)	129	2.20%
IPP Solar(Bulk-10MW)	44	0.75%
IPP Wasteheat	49	0.83%
Total	5,874	

CEB owned Thermal Plant Dispatch

June 3, 2023



CEB owned Thermal Plant Loading at the Night Peak



*Note-*Plant avilability is recorded at 6.00 am on

June 4, 2023

IPP owned Thermal Plant Dispatch

June 3, 2023



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

June 4, 2023

IPP owned Tharmal Plant Loading at the Night Peak



Major Hydro Plant Dispatch

June 3, 2023



Broadlands power plant is operating in the Commissioning Stage

Major Hydro Plant Loading at Night Peak

June 3, 2023



Note- Plant avilability is recorded at 6.00 am on June 4, 2023 Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	304
Old Laxapana	54	54	53	766
Canyon	60	60	30	155
New Laxapana	100	100	20	531
Polpitiya	90	90	47	690
Broadlands	35	35	16	144
Kotmale	201	201	35	50
Victoria	225	210	39	993
Randenigala	114	110	111	827
Rantambe	50	50	36	413
Ukuwela	37	40	36	274
Bowatenna	40	38	0	0
Upper Kotmale	150	150	0	0
Nilambe	3	3	2	6
Samanalawewa	120	120	30	126
Kukule	75	75	79	1,892
Inginiyagala	11	7	5	116
Udawalawe	6	3	2	51
Puttalam Coal I	270	197	201	4,814
Puttalam Coal II	270	270	238	5,227
Puttalam Coal III	270	245	242	5,419
KPS Small GTs	64	0	0	0
KPS GT 7	115	115	0	0
КССР	161	158	0	1,120
Sapugaskanda A	70	32	48	815
Sapugaskanda B	70	54	54	1,042
Uthura Janani	26	24	23	65
Barge CEB	60	60	60	266
CEB-Hambantota	30	15	0	0
CEB-Mathugama	20	11	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
KCCPS -2	163	0	44	181
West Coast	270	0	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,578	1,702	32,098

Plant availability is the availability recorded at 6 am on

June 4, 2023



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

Reservoir Levels -

as at 06.00 Hr on June 4, 2023



Total Reservoir Level % of Total capacity

386.4 GWh 32.0%



Comparison of Total Reservoir Storage Levels with Past Years





Variation of Demand during the current year



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

Daily Load Curve









CEB Oil Plant Generation during

June 3, 2023



IPP Oil Plant Generation during



Major Hydro Generation during





Wind Generation during

June 3, 2023

Based on Telemetered Power Stations only



Solar Generation during

June 3, 2023



Based on Telemetered Power Stations only



Cumulative Dispatch Comparison with Last Year

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

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

June 3, 2023

1) LVPS Unit 02 availability has been limited to 140MW (net) due to ID fan failure from 13:50hrs. LVPS Unit 02 reached full load at 19:40hrs.

2) KCCPS2 synchronized at 16:15hrs for a test run and reached 95MW at 20:08hrs. KCCPS2 made a forced shutdown at 20:30hrs due to a steam turbine condenser vacuum pressure issue.

3) Sapugaskanda PS Unit 11 tripped at 16:18hrs, rejecting 7MW from the system due to the high temperature of exhaust gas. Sapugaskanda PS Unit 11 yet to resume generation.

4) Kukule pond spilling continues to the present hour.

5) Sapugaskanda PS unit 01 performed a shutdown at 1:35hrs (04.06.23) due to abnormal lube oil consumption. The unit 01 is yet to resume generation.