



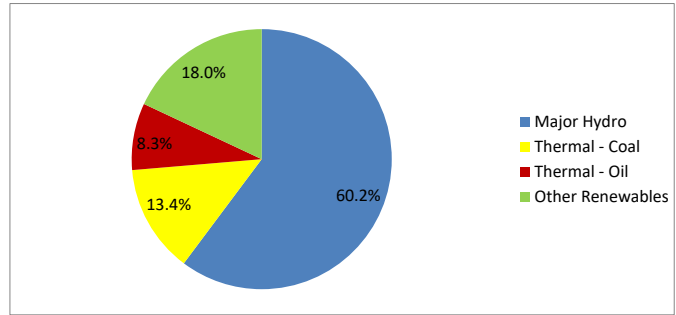
Daily Electricity Generation & Cost Estimation Report

8th January 2024



Daily Generation Mix - 8th January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.42	60.2%
Thermal - Coal	5.90	13.4%
Thermal - Furnace Oil	3.65	8.3%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.26	0.6%
Wind - IPP	0.22	0.5%
Solar - IPP - Ground Mounted	0.39	0.9%
Solar - Roof Top	1.65	3.8%
Mini Hydro	5.15	11.7%
Municipal Solid Waste	0.24	0.6%
Total	43.88	



Note – Estimated generation from roof top solar, non-telemetered solar and mini hydro plants has been included in the above figures

Estimated Generation Cost : 8th January 2024

Plant Type	Energy Cost (LKR Mn)	Non Fuel Energy Cost (LKR Mn)	Capacity Cost (LKR Mn)	Total Cost of Generation (LKR Mn)	Energy Cost per Unit (LKR/kWh)	Non fuel Energy Cost per Unit (LKR/kWh)	Capacity Charge per Unit (LKR/kWh)	Cost of Electricity per Unit (LKR/kWh)
Major Hydro	0.0	0.0	99.5	99.5	0.00	0.00	3.76	3.76
Thermal - Coal	121.4	27.5	134.6	283.5	20.59	4.65	22.82	48.06
Thermal - Furnace Oil	212.2	14.7	76.0	302.9	58.15	4.03	20.83	83.01
Thermal - Diesel	0.0	3.0	28.7	31.7	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.9	11.8	13.7	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	17.6	17.6	0.00	0.00	68.09	68.09
Wind - IPP	3.0	0.0	0.0	3.0	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	7.6	0.0	0.0	7.6	19.67	0.00	0.00	19.67
Solar - Roof Top	40.6	0.0	0.0	40.6	24.59	0.00	0.00	24.59
Mini Hydro	73.5	0.0	0.0	73.5	14.27	0.00	0.00	14.27
Municipal Solid Waste	8.5	0.0	0.0	8.5	35.02	0.00	0.00	35.02
Total	466.8	47.0	368.1	882.0	10.64	1.07	8.39	20.10

Note -

Start/Stop costs has been excluded in the calculation

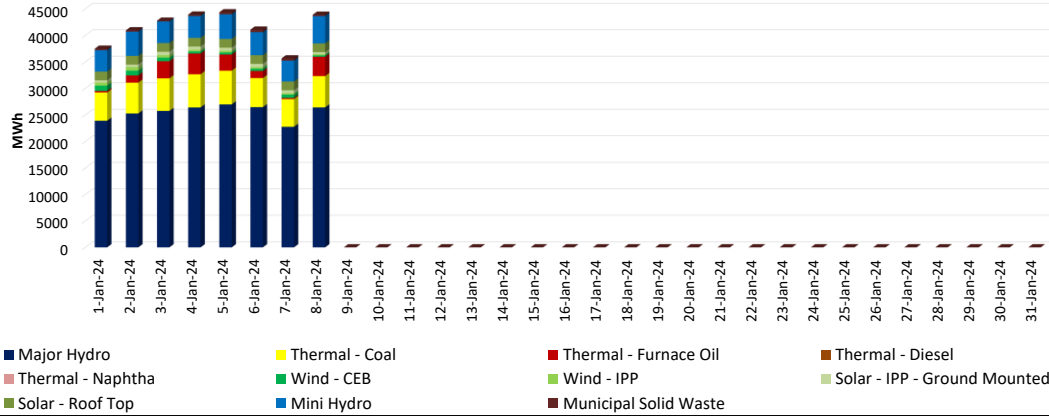
Unit Cost of Generation for the day : 20.10 LKR/kWh
Total Generation Cost for the day: 882.0 Mn LKR

Fuel Prices

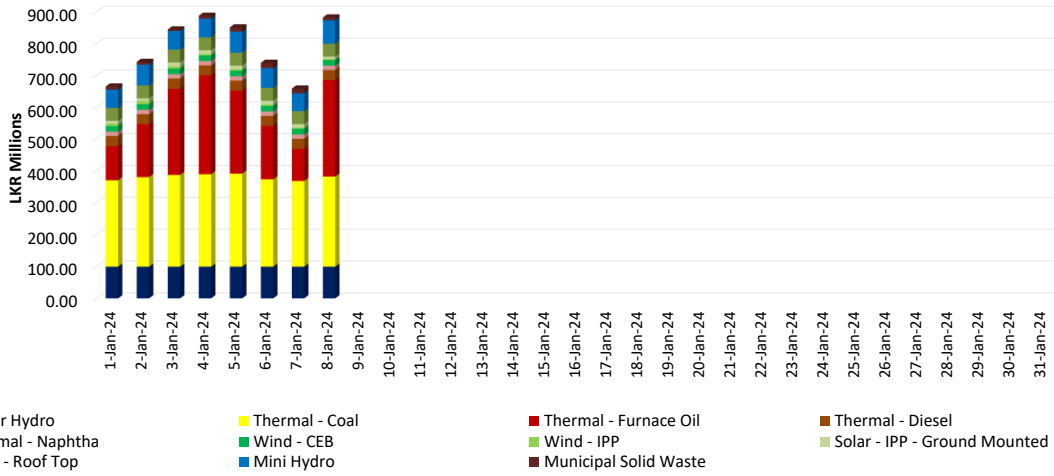
(as at 1st Jan 2023)

	Price (LKR/Liter or LKR/kg)
Furnace	205.00
Coal	50.15
Naphtha	163.00
Auto Diesel	358.00

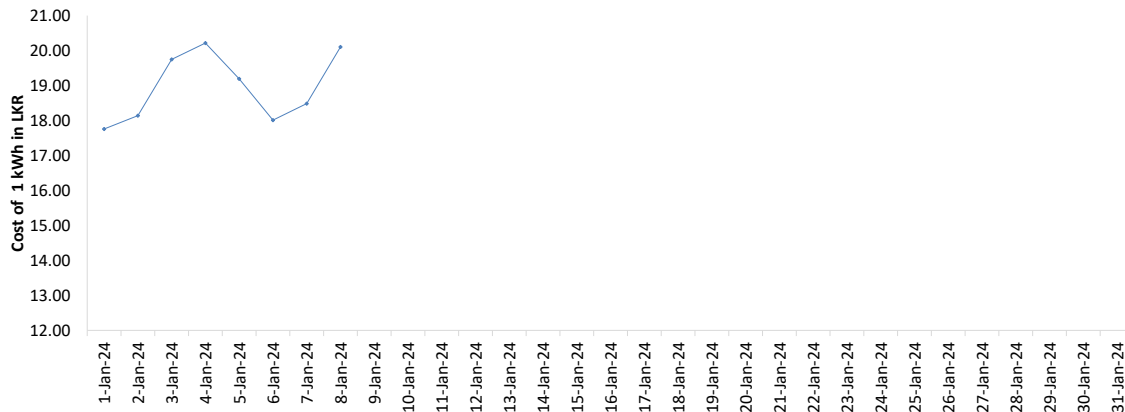
Generation Mix - January 2023

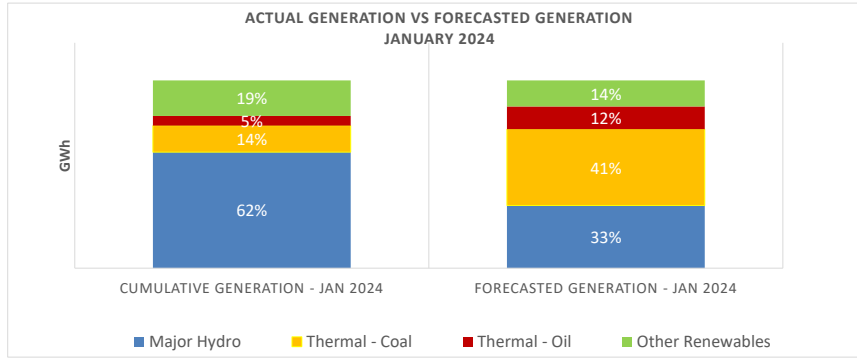


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	204	432
Thermal - Coal	46	524
Thermal - Oil	17	157
Other Renewables	62	179
Total	330	1293

Forecasted Generation - SDDP December 2023

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	795.68 Mn LKR
Thermal - Coal	2253.04 Mn LKR
Thermal - Furnace Oil	1685.38 Mn LKR
Thermal - Diesel	254.05 Mn LKR
Thermal - Naphtha	109.93 Mn LKR
Wind - CEB	140.55 Mn LKR
Wind - IPP	43.97 Mn LKR
Solar - IPP - Ground Mounted	83.35 Mn LKR
Solar - Roof Top	324.64 Mn LKR
Mini Hydro	497.34 Mn LKR
Municipal Solid Waste	83.53 Mn LKR
Total Generation Cost (Jan)	6,271.45 Mn LKR
Average Unit Cost of Generation (Jan)	19.00 LKR/kWh