



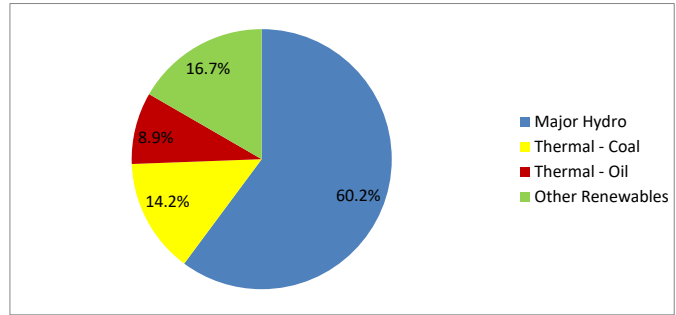
Daily Electricity Generation & Cost Estimation Report

4th January 2024



Daily Generation Mix - 4th January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.41	60.2%
Thermal - Coal	6.25	14.2%
Thermal - Furnace Oil	3.92	8.9%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.38	0.9%
Wind - IPP	0.32	0.7%
Solar - IPP - Ground Mounted	0.60	1.4%
Solar - Roof Top	1.65	3.8%
Mini Hydro	4.11	9.4%
Municipal Solid Waste	0.25	0.6%
Total	43.90	



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

Estimated Generation Cost : 4th 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	3.77	3.77
Thermal - Coal	128.7	27.5	134.6	290.7	20.59	4.39	21.53	46.50
Thermal - Furnace Oil	219.3	14.7	76.0	310.0	55.96	3.75	19.40	79.11
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	45.87	45.87
Wind - IPP	4.4	0.0	0.0	4.4	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	11.8	0.0	0.0	11.8	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	58.7	0.0	0.0	58.7	14.27	0.00	0.00	14.27
Municipal Solid Waste	8.7	0.0	0.0	8.7	35.02	0.00	0.00	35.02
Total	472.2	47.0	368.1	887.4	10.76	1.07	8.39	20.21

Note -

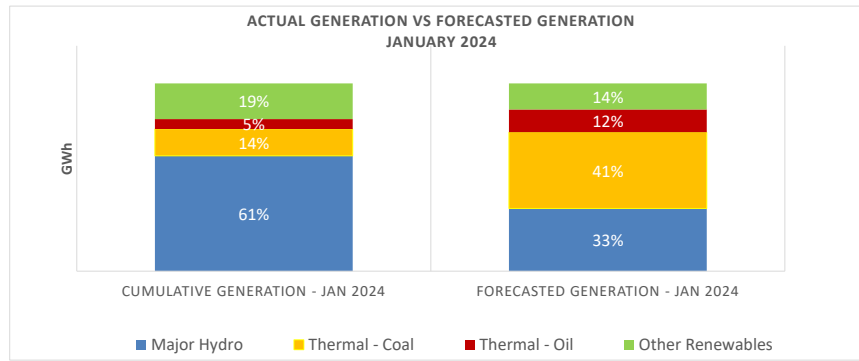
Start/Stop costs has been excluded in the calculation

Unit Cost of Generation for the day : **20.21** LKR/kWh
 Total Generation Cost for the day: **887.4** 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



	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	101	432
Thermal - Coal	24	524
Thermal - Oil	9	157
Other Renewables	31	179
Total	165	1293

Forecasted Generation - SDDP December 2023

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	397.84 Mn LKR
Thermal - Coal	1132.58 Mn LKR
Thermal - Furnace Oil	853.90 Mn LKR
Thermal - Diesel	127.40 Mn LKR
Thermal - Naphtha	54.97 Mn LKR
Wind - CEB	70.27 Mn LKR
Wind - IPP	28.33 Mn LKR
Solar - IPP - Ground Mounted	41.60 Mn LKR
Solar - Roof Top	162.32 Mn LKR
Mini Hydro	239.63 Mn LKR
Municipal Solid Waste	30.96 Mn LKR
Total Generation Cost (Jan)	3,139.80 Mn LKR
Average Unit Cost of Generation (Jan)	19.02 LKR/kWh