



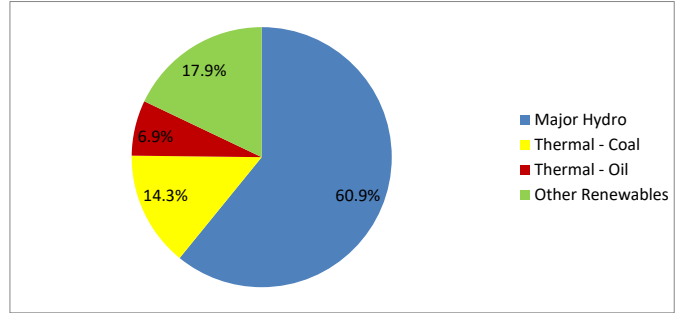
Daily Electricity Generation & Cost Estimation Report

5th January 2024



Daily Generation Mix - 5th January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.99	60.9%
Thermal - Coal	6.35	14.3%
Thermal - Furnace Oil	3.05	6.9%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.38	0.9%
Wind - IPP	0.33	0.8%
Solar - IPP - Ground Mounted	0.57	1.3%
Solar - Roof Top	1.65	3.7%
Mini Hydro	4.65	10.5%
Municipal Solid Waste	0.37	0.8%
Total	44.34	



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

Estimated Generation Cost : 5th 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	3.69	3.69
Thermal - Coal	130.7	27.5	134.6	292.7	20.59	4.32	21.20	46.12
Thermal - Furnace Oil	169.5	14.7	76.0	260.2	55.52	4.81	24.90	85.23
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	46.11	46.11
Wind - IPP	4.6	0.0	0.0	4.6	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	11.2	0.0	0.0	11.2	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	66.3	0.0	0.0	66.3	14.27	0.00	0.00	14.27
Municipal Solid Waste	12.9	0.0	0.0	12.9	35.02	0.00	0.00	35.02
Total	435.8	47.0	368.1	850.9	9.83	1.06	8.30	19.19

Note -

Start/Stop costs has been excluded in the calculation

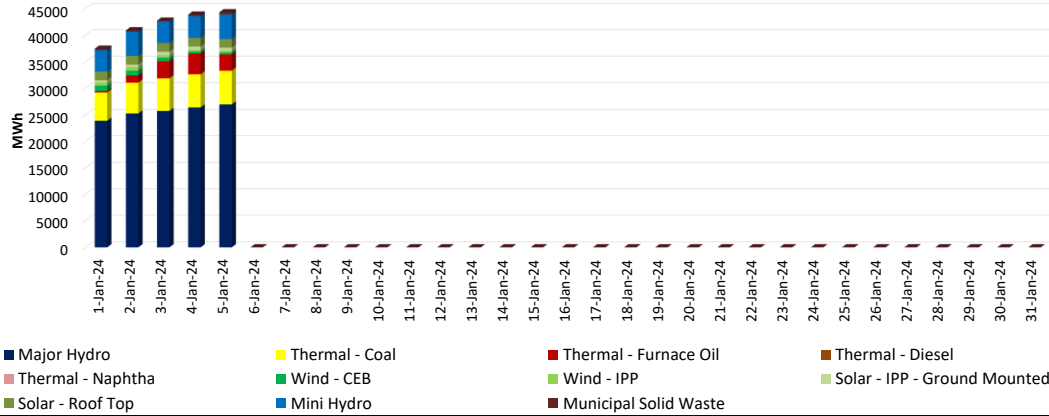
Unit Cost of Generation for the day : **19.19** LKR/kWh
 Total Generation Cost for the day: **850.9** Mn LKR

Fuel Prices

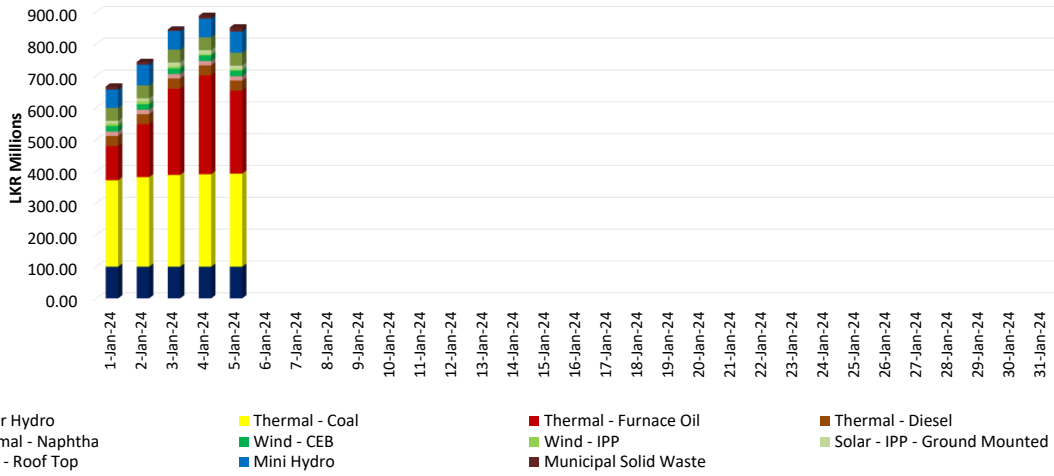
(as at 1st Jan 2023)

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

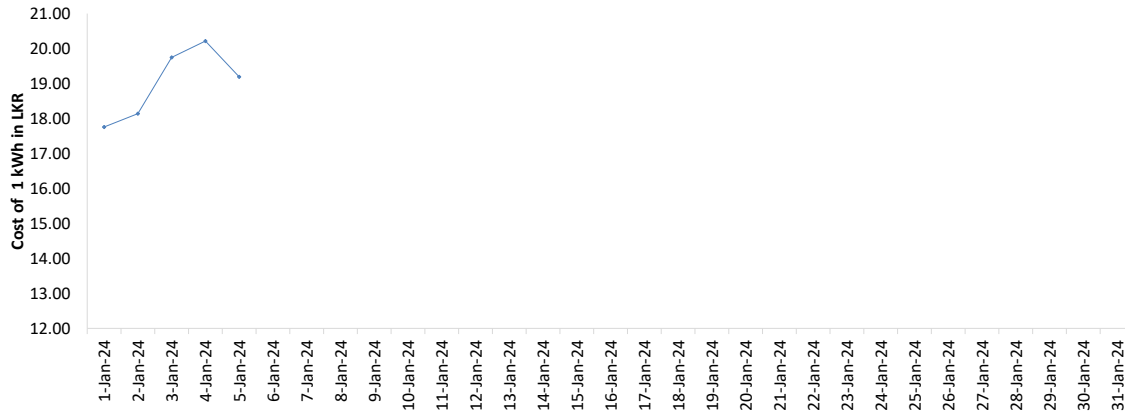
Generation Mix - January 2023

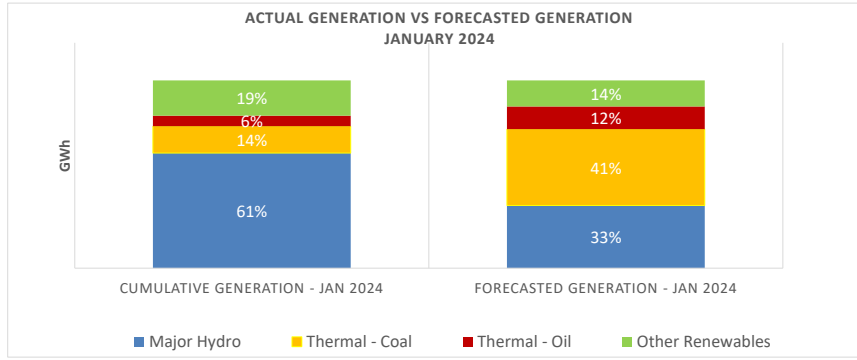


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	128	432
Thermal - Coal	30	524
Thermal - Oil	12	157
Other Renewables	39	179
Total	209	1293

Forecasted Generation - SDDP December 2023

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	497.30 Mn LKR
Thermal - Coal	1425.29 Mn LKR
Thermal - Furnace Oil	1114.12 Mn LKR
Thermal - Diesel	159.06 Mn LKR
Thermal - Naphtha	68.71 Mn LKR
Wind - CEB	87.84 Mn LKR
Wind - IPP	32.93 Mn LKR
Solar - IPP - Ground Mounted	52.80 Mn LKR
Solar - Roof Top	202.90 Mn LKR
Mini Hydro	305.92 Mn LKR
Municipal Solid Waste	43.88 Mn LKR
Total Generation Cost (Jan)	3,990.74 Mn LKR
Average Unit Cost of Generation (Jan)	19.06 LKR/kWh