



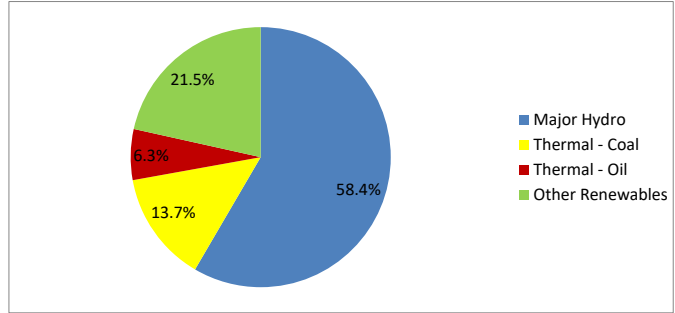
Daily Electricity Generation & Cost Estimation Report

9th January 2024



Daily Generation Mix - 9th January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.79	58.4%
Thermal - Coal	6.07	13.7%
Thermal - Furnace Oil	2.79	6.3%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.88	2.0%
Wind - IPP	0.79	1.8%
Solar - IPP - Ground Mounted	0.41	0.9%
Solar - Roof Top	1.65	3.7%
Mini Hydro	5.38	12.2%
Municipal Solid Waste	0.39	0.9%
Total	44.14	



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

Estimated Generation Cost : 9th 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	3.86	3.86
Thermal - Coal	124.9	27.5	134.6	286.9	20.59	4.53	22.19	47.30
Thermal - Furnace Oil	159.2	14.7	76.0	249.9	57.15	5.27	27.29	89.71
Thermal - Diesel	0.1	3.0	28.7	31.8	93.39	2987.70	28675.33	31756.41
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	19.96	19.96
Wind - IPP	10.8	0.0	0.0	10.8	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	8.0	0.0	0.0	8.0	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	76.8	0.0	0.0	76.8	14.27	0.00	0.00	14.27
Municipal Solid Waste	13.6	0.0	0.0	13.6	35.02	0.00	0.00	35.02
Total	434.1	47.0	368.1	849.3	9.84	1.07	8.34	19.24

Note -

Start/Stop costs has been excluded in the calculation

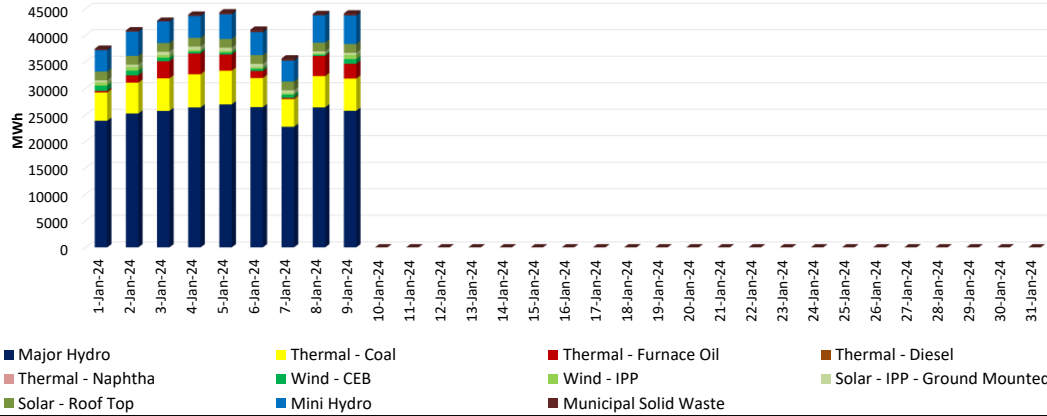
Unit Cost of Generation for the day : **19.24** LKR/kWh
 Total Generation Cost for the day: **849.3** Mn LKR

Fuel Prices

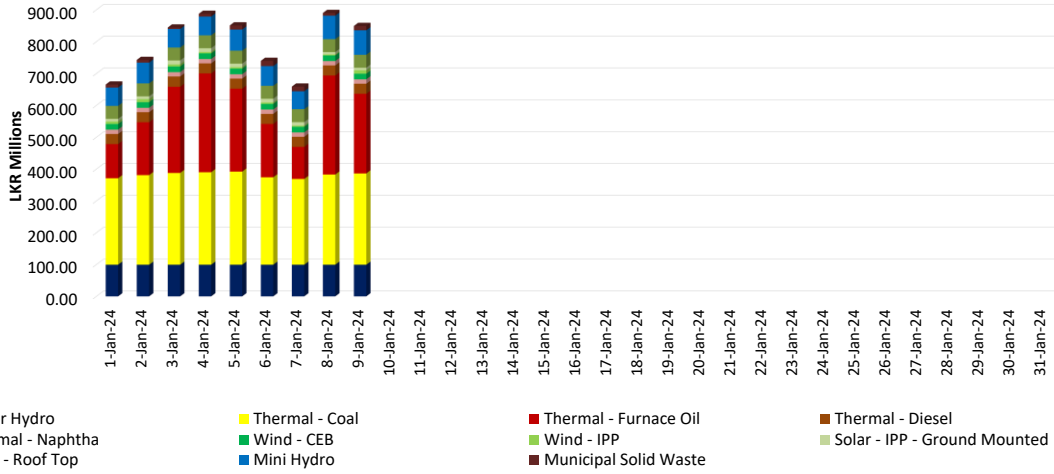
(as at 1st Jan 2023)

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

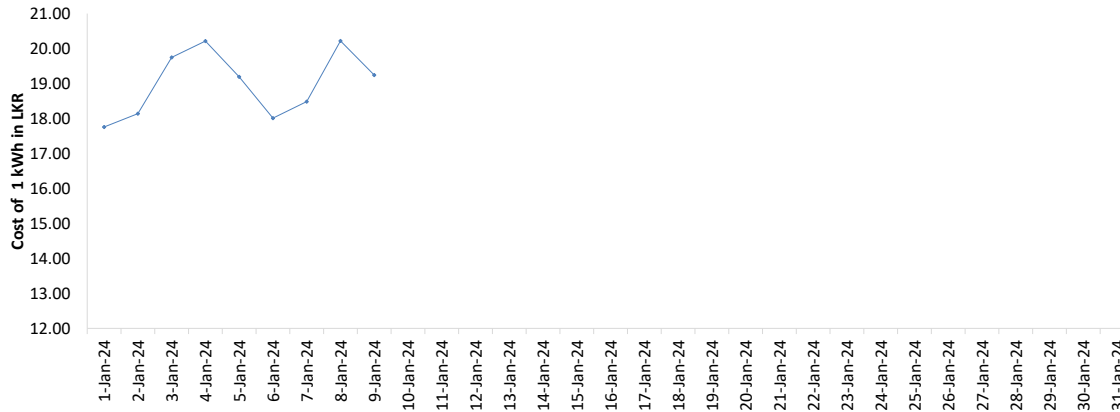
Generation Mix - January 2023

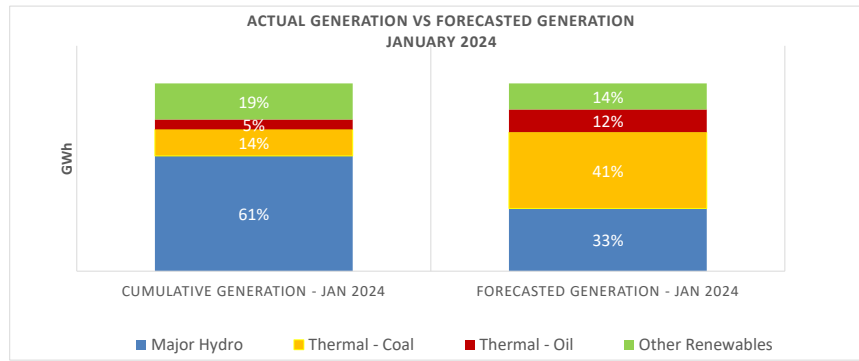


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	230	432
Thermal - Coal	53	524
Thermal - Oil	20	157
Other Renewables	72	179
Total	374	1293

Forecasted Generation - SDDP December 2023

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	895.14 Mn LKR
Thermal - Coal	2539.96 Mn LKR
Thermal - Furnace Oil	1943.25 Mn LKR
Thermal - Diesel	285.81 Mn LKR
Thermal - Naphtha	123.68 Mn LKR
Wind - CEB	158.11 Mn LKR
Wind - IPP	54.81 Mn LKR
Solar - IPP - Ground Mounted	91.33 Mn LKR
Solar - Roof Top	365.22 Mn LKR
Mini Hydro	574.18 Mn LKR
Municipal Solid Waste	97.15 Mn LKR
Total Generation Cost (Jan)	7,128.63 Mn LKR
Average Unit Cost of Generation (Jan)	19.05 LKR/kWh