



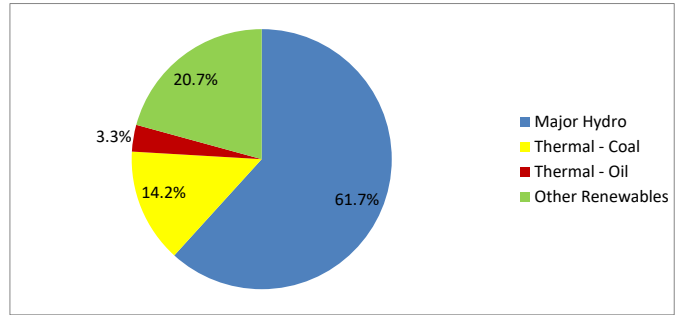
Daily Electricity Generation & Cost Estimation Report

2nd January 2024



Daily Generation Mix - 2nd January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.28	61.7%
Thermal - Coal	5.81	14.2%
Thermal - Furnace Oil	1.36	3.3%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.89	2.2%
Wind - IPP	0.69	1.7%
Solar - IPP - Ground Mounted	0.45	1.1%
Solar - Roof Top	1.65	4.0%
Mini Hydro	4.57	11.2%
Municipal Solid Waste	0.24	0.6%
Total	40.94	



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

Estimated Generation Cost : 2nd 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	3.93	3.93
Thermal - Coal	119.6	27.5	134.6	281.6	20.59	4.72	23.16	48.48
Thermal - Furnace Oil	75.3	14.7	76.0	166.0	55.32	10.79	55.86	121.97
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	19.70	19.70
Wind - IPP	9.5	0.0	0.0	9.5	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	8.9	0.0	0.0	8.9	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	65.2	0.0	0.0	65.2	14.27	0.00	0.00	14.27
Municipal Solid Waste	8.4	0.0	0.0	8.4	35.02	0.00	0.00	35.02
Total	327.5	47.0	368.1	742.7	8.00	1.15	8.99	18.14

Note -

Start/Stop costs has been excluded in the calculation

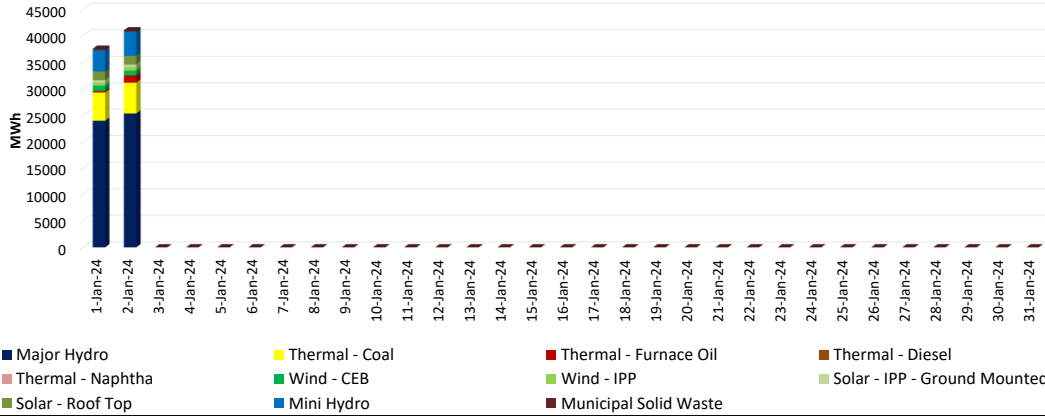
Unit Cost of Generation for the day : **18.14** LKR/kWh
 Total Generation Cost for the day: **742.7** Mn LKR

Fuel Prices

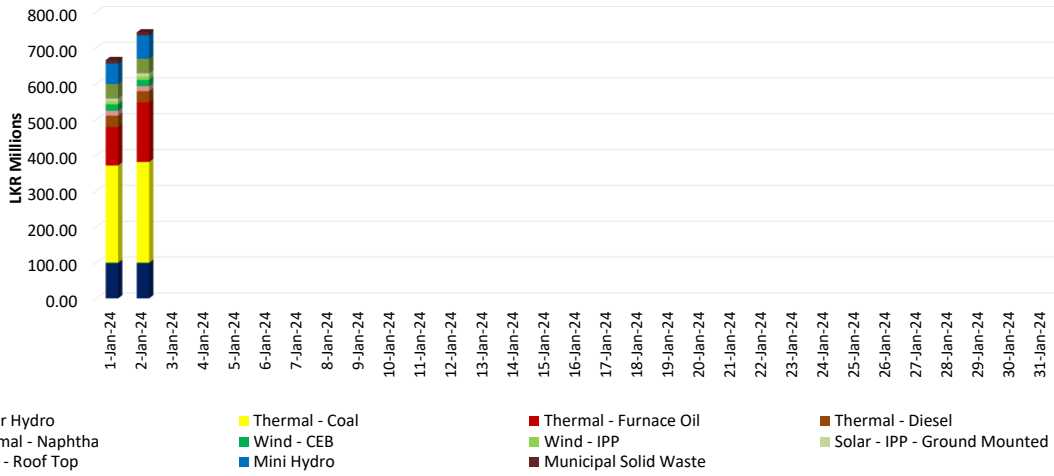
(as at 1st Jan 2023)

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

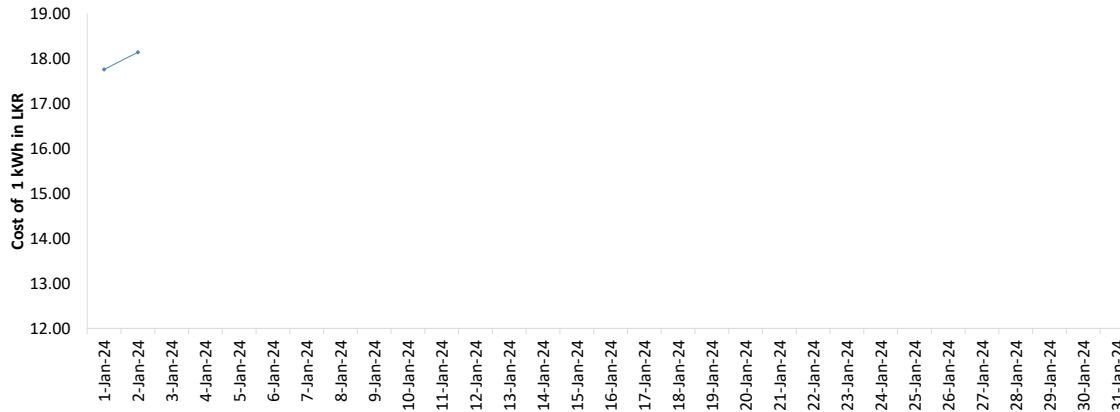
Generation Mix - January 2023

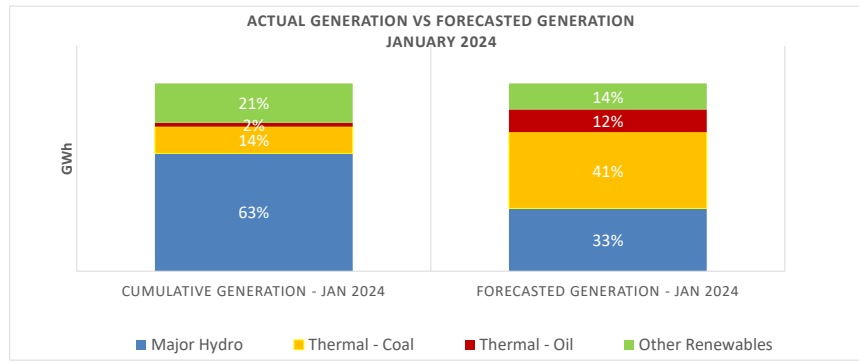


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	49	432
Thermal - Coal	11	524
Thermal - Oil	2	157
Other Renewables	16	179
Total	78	1293

Forecasted Generation - SDDP December 2023

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	198.92 Mn LKR
Thermal - Coal	553.39 Mn LKR
Thermal - Furnace Oil	273.43 Mn LKR
Thermal - Diesel	63.33 Mn LKR
Thermal - Naphtha	27.48 Mn LKR
Wind - CEB	35.14 Mn LKR
Wind - IPP	17.32 Mn LKR
Solar - IPP - Ground Mounted	17.39 Mn LKR
Solar - Roof Top	81.16 Mn LKR
Mini Hydro	122.75 Mn LKR
Municipal Solid Waste	17.79 Mn LKR
Total Generation Cost (Jan)	1,408.09 Mn LKR
Average Unit Cost of Generation (Jan)	17.96 LKR/kWh