



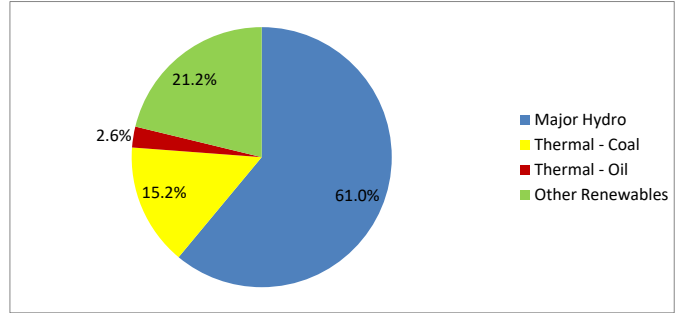
Daily Electricity Generation & Cost Estimation Report

14th January 2024



Daily Generation Mix - 14th January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	21.68	61.0%
Thermal - Coal	5.39	15.2%
Thermal - Furnace Oil	0.92	2.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.62	1.7%
Wind - IPP	0.48	1.3%
Solar - IPP - Ground Mounted	0.63	1.8%
Solar - Roof Top	1.65	4.6%
Mini Hydro	3.98	11.2%
Municipal Solid Waste	0.18	0.5%
Total	35.53	



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

Estimated Generation Cost : 14th 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	4.59	4.59
Thermal - Coal	110.9	27.5	134.6	272.9	20.59	5.10	24.99	50.68
Thermal - Furnace Oil	52.4	14.7	76.0	143.1	56.84	15.93	82.46	155.22
Thermal - Diesel	0.0	2.9	28.7	31.6	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	28.43	28.43
Wind - IPP	6.6	0.0	0.0	6.6	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	12.5	0.0	0.0	12.5	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	56.8	0.0	0.0	56.8	14.27	0.00	0.00	14.27
Municipal Solid Waste	6.3	0.0	0.0	6.3	35.02	0.00	0.00	35.02
Total	286.0	47.0	368.1	701.1	8.05	1.32	10.36	19.73

Note -

Start/Stop costs has been excluded in the calculation

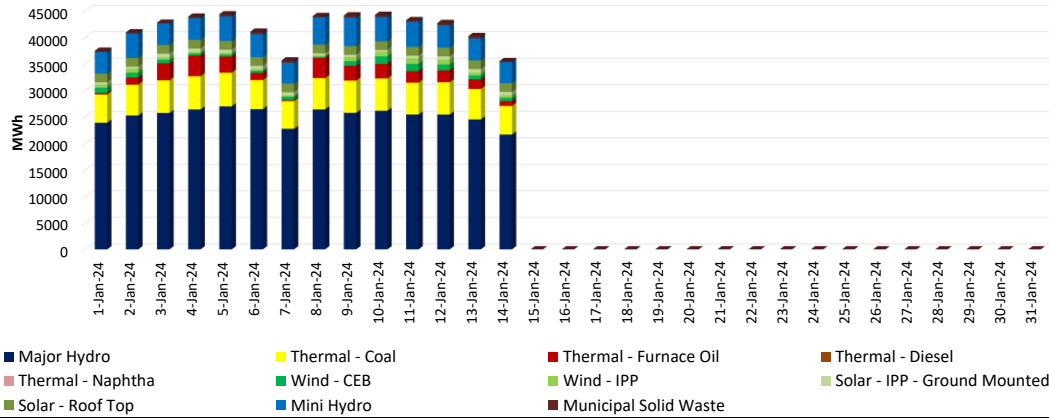
Unit Cost of Generation for the day : **19.73** LKR/kWh
 Total Generation Cost for the day: **701.1** Mn LKR

Fuel Prices

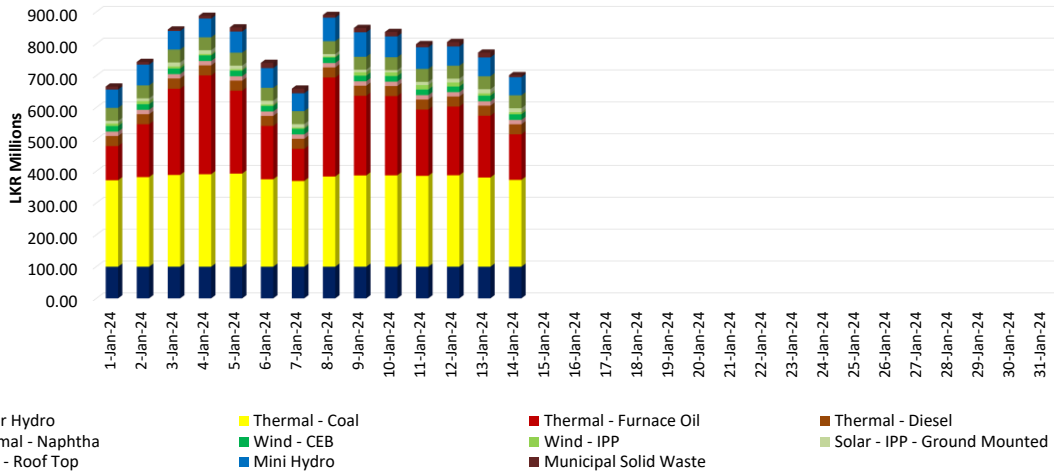
(as at 1st Jan 2023)

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

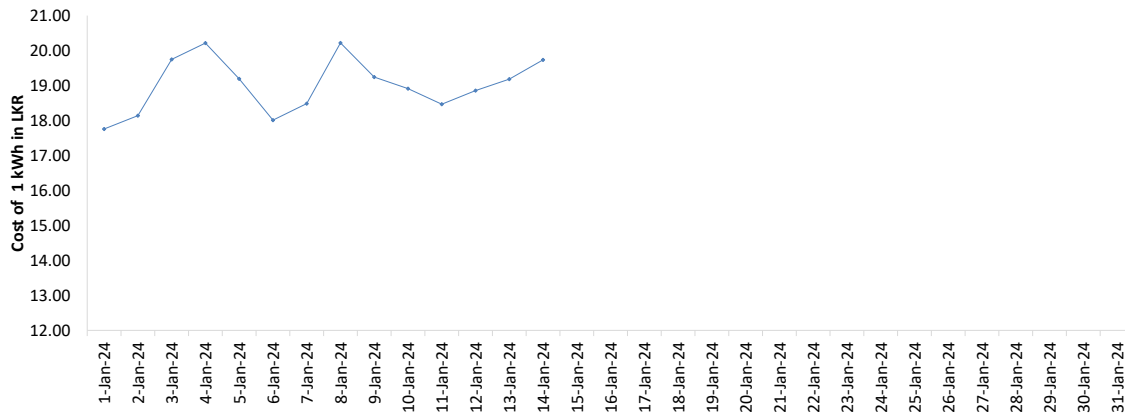
Generation Mix - January 2023

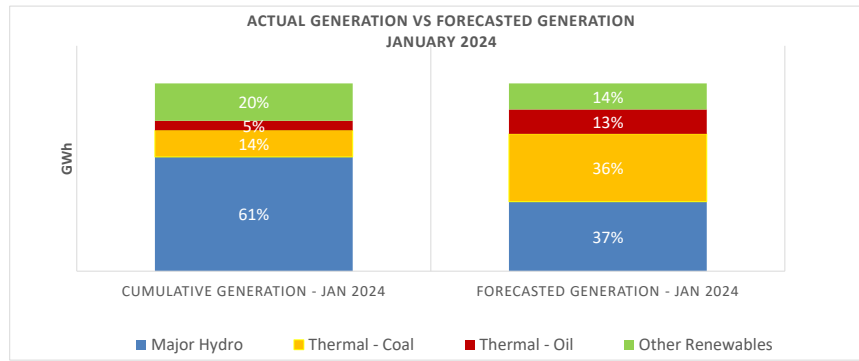


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	353	478
Thermal - Coal	82	467
Thermal - Oil	30	168
Other Renewables	115	180
Total	580	1293

Forecasted Generation - SDDP January 2024

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	1392.44 Mn LKR
Thermal - Coal	3953.57 Mn LKR
Thermal - Furnace Oil	2952.84 Mn LKR
Thermal - Diesel	443.83 Mn LKR
Thermal - Naphtha	192.38 Mn LKR
Wind - CEB	245.96 Mn LKR
Wind - IPP	106.69 Mn LKR
Solar - IPP - Ground Mounted	146.19 Mn LKR
Solar - Roof Top	568.12 Mn LKR
Mini Hydro	883.54 Mn LKR
Municipal Solid Waste	156.24 Mn LKR
Total Generation Cost (Jan)	11,041.80 Mn LKR
Average Unit Cost of Generation (Jan)	19.03 LKR/kWh