



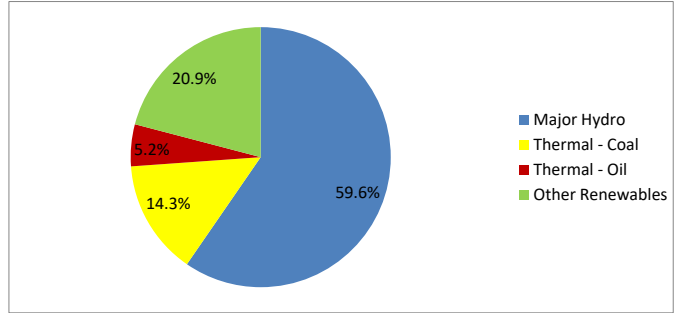
Daily Electricity Generation & Cost Estimation Report

12th January 2024



Daily Generation Mix - 12th January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.45	59.6%
Thermal - Coal	6.09	14.3%
Thermal - Furnace Oil	2.22	5.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.13	2.6%
Wind - IPP	0.91	2.1%
Solar - IPP - Ground Mounted	0.63	1.5%
Solar - Roof Top	1.65	3.9%
Mini Hydro	4.22	9.9%
Municipal Solid Waste	0.40	0.9%
Total	42.70	



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

Estimated Generation Cost : 12th 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	3.91	3.91
Thermal - Coal	125.4	27.5	134.6	287.4	20.59	4.51	22.10	47.20
Thermal - Furnace Oil	125.0	14.7	76.0	215.7	56.23	6.61	34.20	97.04
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	15.55	15.55
Wind - IPP	12.5	0.0	0.0	12.5	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	12.3	0.0	0.0	12.3	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	60.2	0.0	0.0	60.2	14.27	0.00	0.00	14.27
Municipal Solid Waste	14.0	0.0	0.0	14.0	35.02	0.00	0.00	35.02
Total	390.0	47.0	368.1	805.1	9.13	1.10	8.62	18.86

Note -

Start/Stop costs has been excluded in the calculation

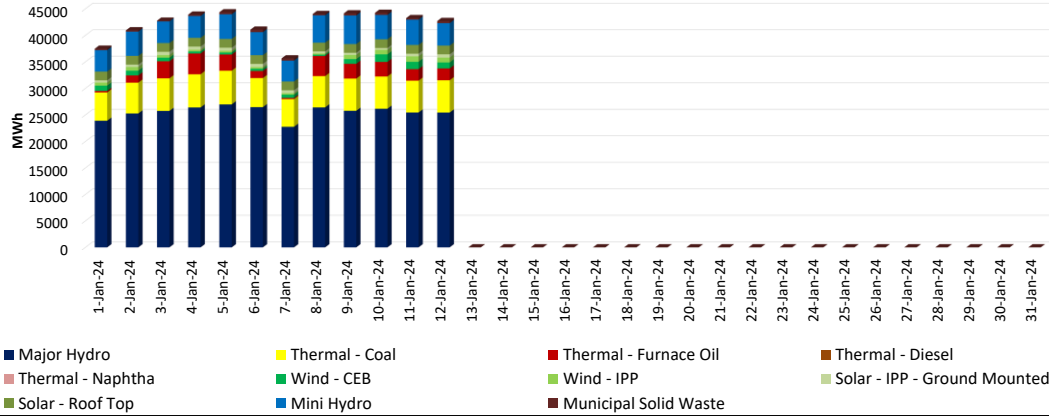
Unit Cost of Generation for the day : 18.86 LKR/kWh
Total Generation Cost for the day: 805.1 Mn LKR

Fuel Prices

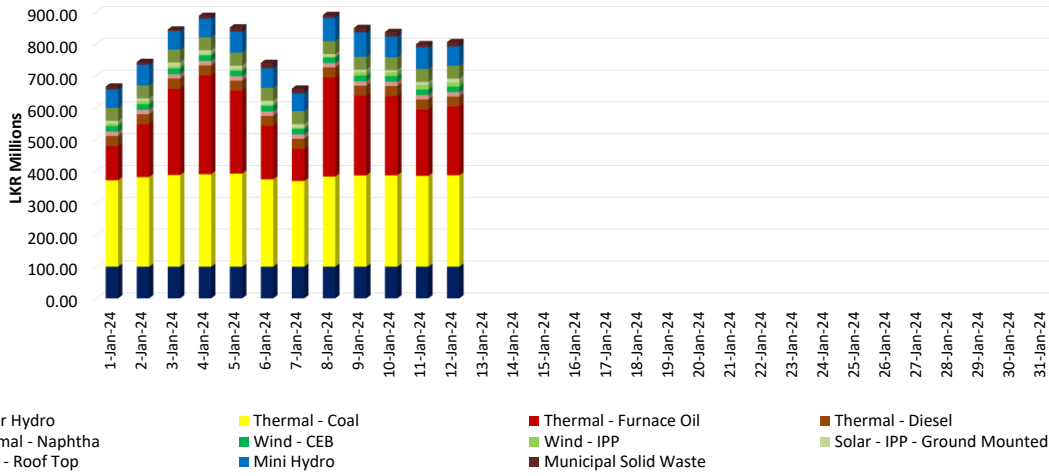
(as at 1st Jan 2023)

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

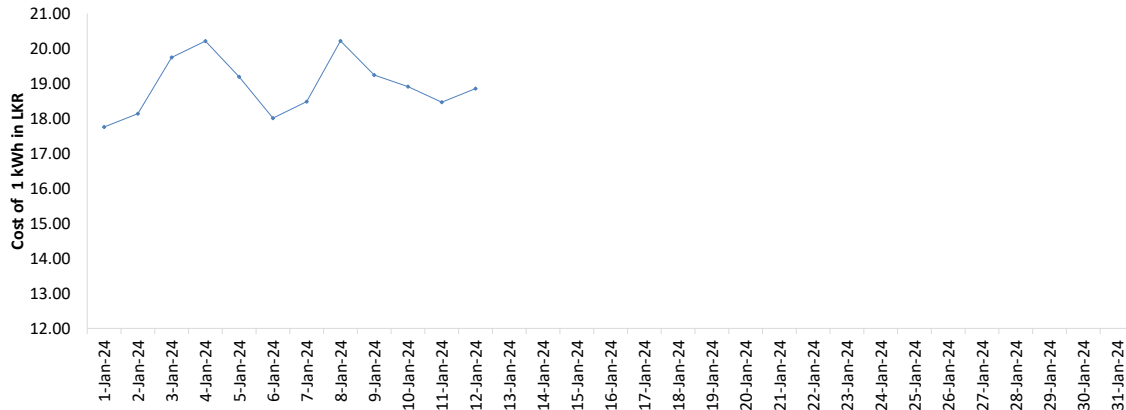
Generation Mix - January 2023

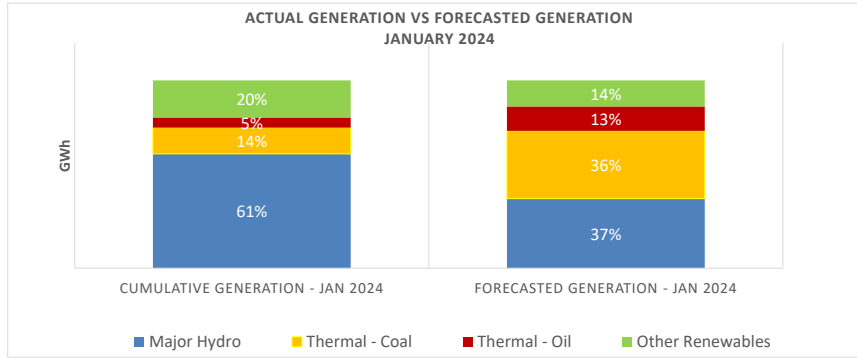


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	307	478
Thermal - Coal	71	467
Thermal - Oil	27	168
Other Renewables	100	180
Total	504	1293

Forecasted Generation - SDDP January 2024

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	1193.52 Mn LKR
Thermal - Coal	3400.26 Mn LKR
Thermal - Furnace Oil	2615.74 Mn LKR
Thermal - Diesel	380.62 Mn LKR
Thermal - Naphtha	164.90 Mn LKR
Wind - CEB	210.82 Mn LKR
Wind - IPP	92.82 Mn LKR
Solar - IPP - Ground Mounted	120.72 Mn LKR
Solar - Roof Top	486.96 Mn LKR
Mini Hydro	767.70 Mn LKR
Municipal Solid Waste	134.77 Mn LKR
Total Generation Cost (Jan)	9,568.83 Mn LKR
Average Unit Cost of Generation (Jan)	18.97 LKR/kWh