



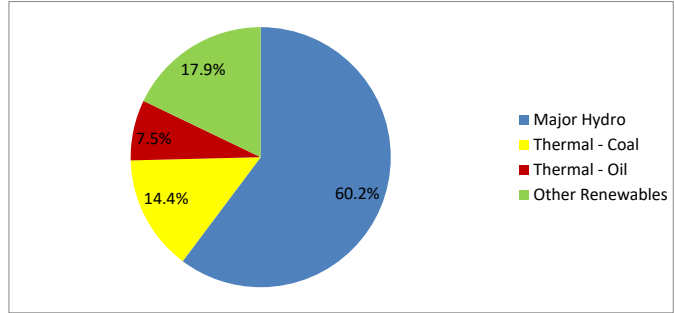
Daily Electricity Generation & Cost Estimation Report

3rd January 2024



Daily Generation Mix - 3rd January 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.76	60.2%
Thermal - Coal	6.14	14.4%
Thermal - Furnace Oil	3.21	7.5%
Thermal - Diesel	0.01	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.68	1.6%
Wind - IPP	0.48	1.1%
Solar - IPP - Ground Mounted	0.63	1.5%
Solar - Roof Top	1.65	3.9%
Mini Hydro	4.08	9.5%
Municipal Solid Waste	0.13	0.3%
Total	42.76	



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

Estimated Generation Cost : 3rd 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	126.4	27.5	134.6	288.4	20.59	4.47	21.92	46.98
Thermal - Furnace Oil	179.7	14.7	76.0	270.4	56.01	4.58	23.69	84.27
Thermal - Diesel	0.7	3.0	28.7	32.4	93.20	373.46	3584.42	4051.08
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	25.99	25.99
Wind - IPP	6.6	0.0	0.0	6.6	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	12.4	0.0	0.0	12.4	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	58.2	0.0	0.0	58.2	14.27	0.00	0.00	14.27
Municipal Solid Waste	4.5	0.0	0.0	4.5	35.02	0.00	0.00	35.02
Total	429.2	47.0	368.1	844.3	10.04	1.10	8.61	19.75

Note -

Start/Stop costs has been excluded in the calculation

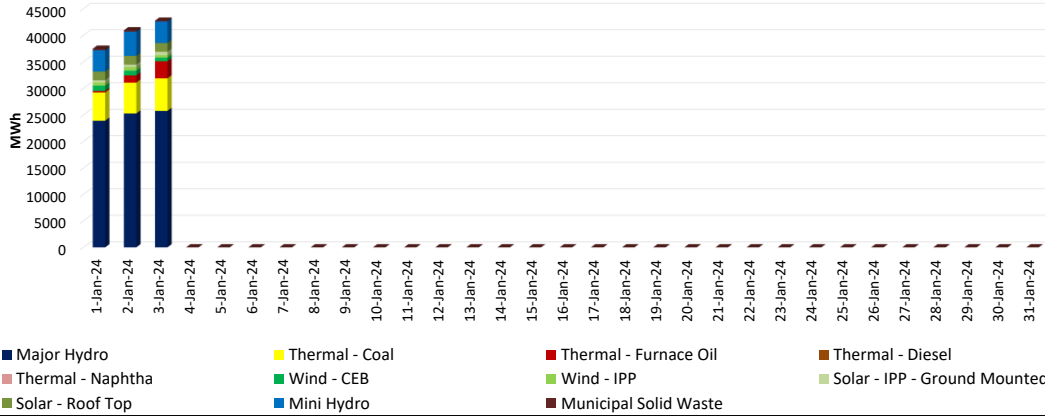
Unit Cost of Generation for the day : **19.75** LKR/kWh
 Total Generation Cost for the day: **844.3** Mn LKR

Fuel Prices

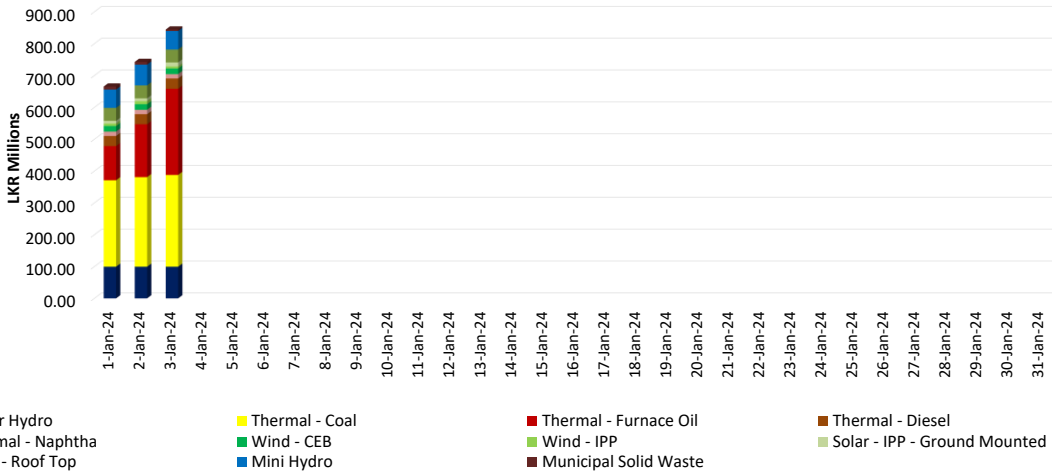
(as at 1st Jan 2023)

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

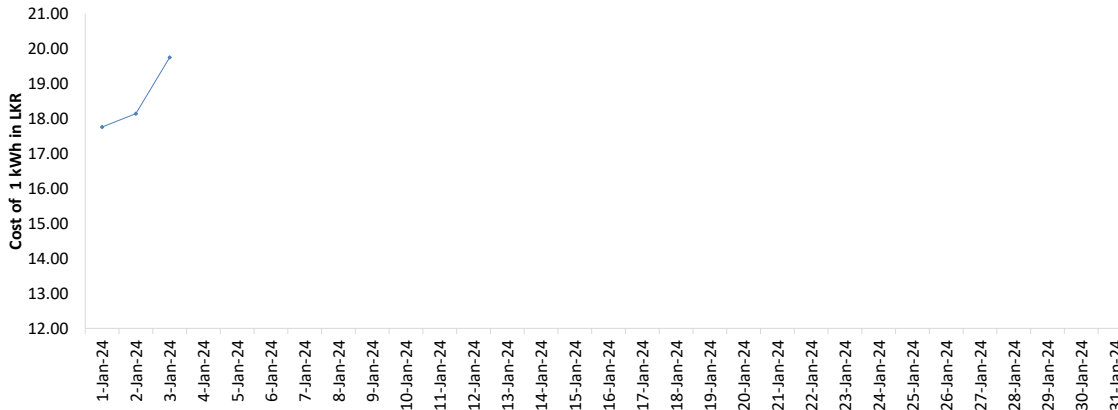
Generation Mix - January 2023

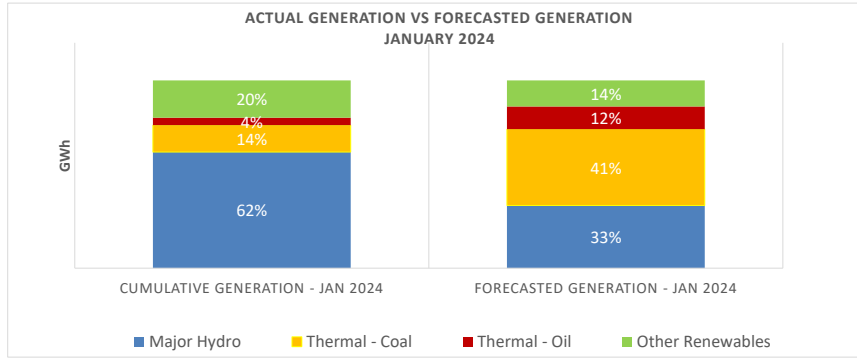


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	75	432
Thermal - Coal	17	524
Thermal - Oil	5	157
Other Renewables	24	179
Total	121	1293

Forecasted Generation - SDDP December 2023

Estimated Cost of Generation - January 2024 (Mn LKR)

Major Hydro	298.38 Mn LKR
Thermal - Coal	841.83 Mn LKR
Thermal - Furnace Oil	543.87 Mn LKR
Thermal - Diesel	95.73 Mn LKR
Thermal - Naphtha	41.23 Mn LKR
Wind - CEB	52.70 Mn LKR
Wind - IPP	23.93 Mn LKR
Solar - IPP - Ground Mounted	29.78 Mn LKR
Solar - Roof Top	121.74 Mn LKR
Mini Hydro	180.92 Mn LKR
Municipal Solid Waste	22.31 Mn LKR
Total Generation Cost (Jan)	2,252.43 Mn LKR
Average Unit Cost of Generation (Jan)	18.59 LKR/kWh