



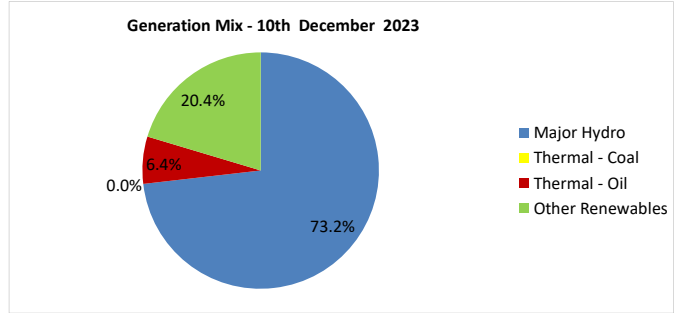
Daily Electricity Generation & Cost Estimation Report

10th December 2023



Daily Generation Mix - 10th December 2023

Plant Type	Generation (GWh)	Percentage
Major Hydro	24.90	73.2%
Thermal - Coal	0.00	0.0%
Thermal - Furnace Oil	2.18	6.4%
Thermal - Diesel	0.01	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.54	1.6%
Wind - IPP	0.33	1.0%
Solar - IPP - Ground Mounted	0.51	1.5%
Solar - Roof Top	1.54	4.5%
Mini Hydro	3.74	11.0%
Municipal Solid Waste	0.27	0.8%
Total	34.02	



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

Estimated Generation Cost : 10th December 2023

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	59.6	59.6	0.00	0.00	2.39	2.39
Thermal - Coal	0.0	8.2	66.1	74.2	0.00	0.00	0.00	0.00
Thermal - Furnace Oil	107.2	6.0	60.8	174.0	49.13	2.74	27.88	79.75
Thermal - Diesel	0.6	1.8	15.9	18.3	85.55	258.78	2275.26	2619.59
Thermal - Naphtha	0.0	1.2	6.5	7.6	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	5.9	5.9	0.00	0.00	11.03	11.03
Wind - IPP	4.6	0.0	0.0	4.6	13.95	0.00	0.00	13.95
Solar - IPP - Ground Mounted	9.8	0.0	0.0	9.8	19.02	0.00	0.00	19.02
Solar - Roof Top	37.6	0.0	0.0	37.6	24.41	0.00	0.00	24.41
Mini Hydro	53.4	0.0	0.0	53.4	14.28	0.00	0.00	14.28
Municipal Solid Waste	9.5	0.0	0.0	9.5	34.58	0.00	0.00	34.58
Total	222.6	17.1	214.8	454.5	6.54	0.50	6.31	13.36

Note -
Start/Stop costs has been excluded in the calculation

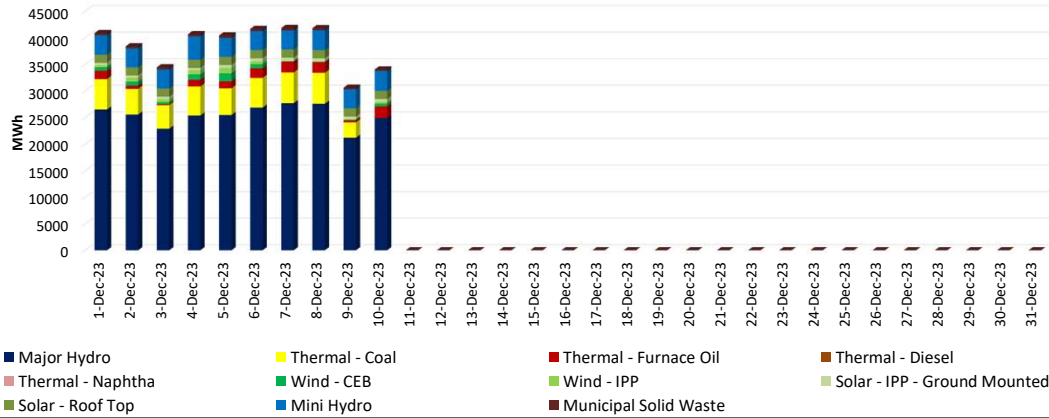
Unit Cost of Generation for the day : **13.36** LKR/kWh
 Total Generation Cost for the day: **454.5** Mn LKR

Fuel Prices

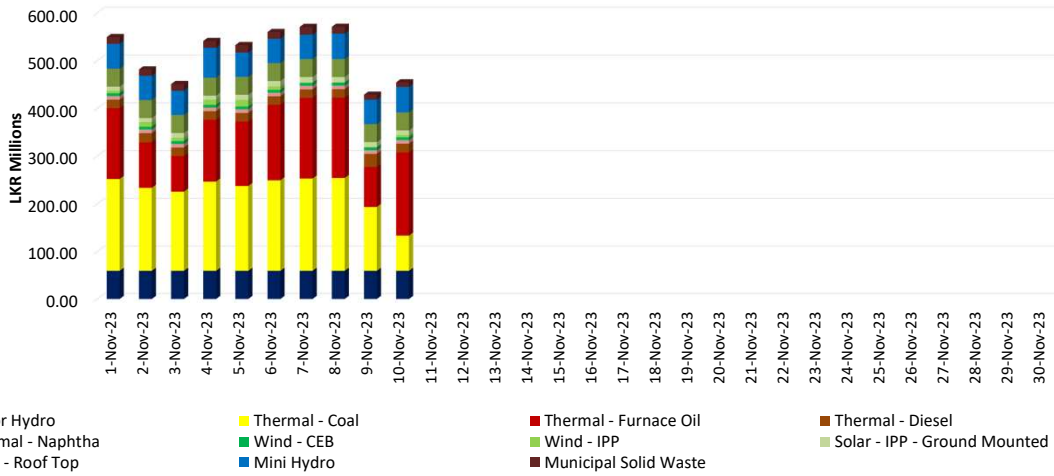
(as at 1st Dec 2023)

	Price (LKR/Liter or LKR/kg)
Furnace	205.00
Coal	50.45
Naphtha	161.00
Auto Diesel	329.00

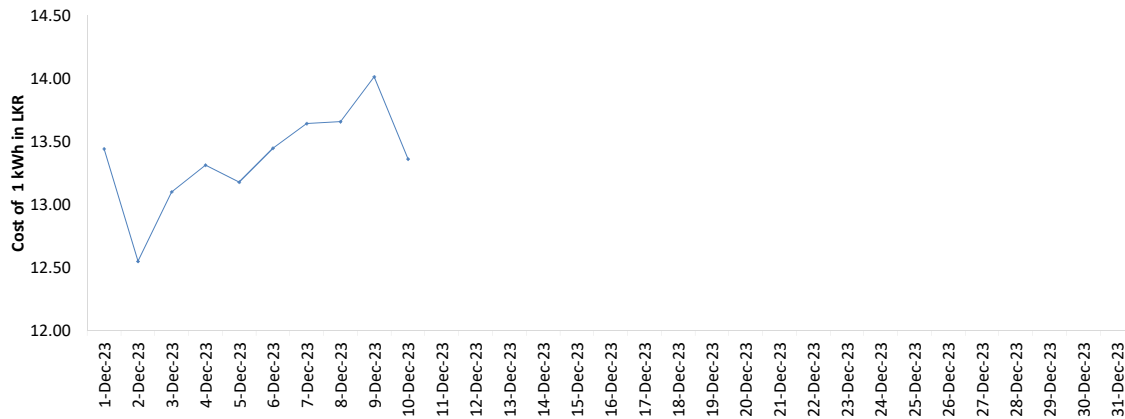
Generation Mix -December 2023

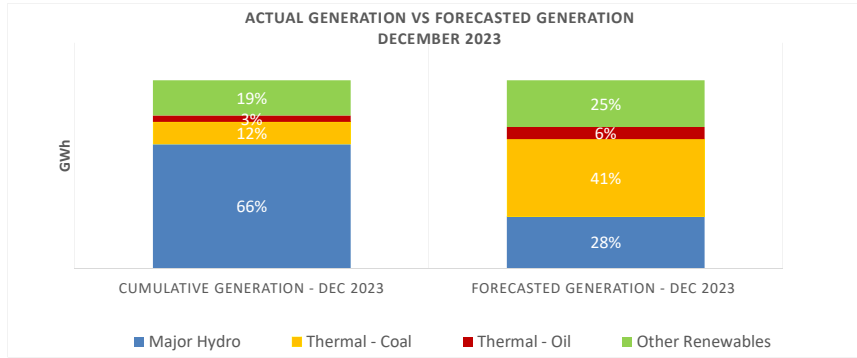


Cost of Generation -December 2023



Per Unit Cost of Generation - December 2023





	Cumulative Generation - December 2023 [GWh]	Forecasted Generation - December 2023 [GWh]
Major Hydro	254	353
Thermal - Coal	46	524
Thermal - Oil	13	81
Other Renewables	72	317
Total	385	1276

Forecasted Generation - SDDP November 2023

Estimated Cost of Generation - December 2023 (Mn LKR)

Major Hydro	595.79 Mn LKR
Thermal - Coal	1685.43 Mn LKR
Thermal - Furnace Oil	1336.19 Mn LKR
Thermal - Diesel	188.82 Mn LKR
Thermal - Naphtha	76.35 Mn LKR
Wind - CEB	59.32 Mn LKR
Wind - IPP	61.44 Mn LKR
Solar - IPP - Ground Mounted	99.19 Mn LKR
Solar - Roof Top	375.99 Mn LKR
Mini Hydro	526.99 Mn LKR
Municipal Solid Waste	135.10 Mn LKR
Total Generation Cost (Dec)	5,140.61 Mn LKR
Average Unit Cost of Generation (Dec)	13.36 LKR/kWh