



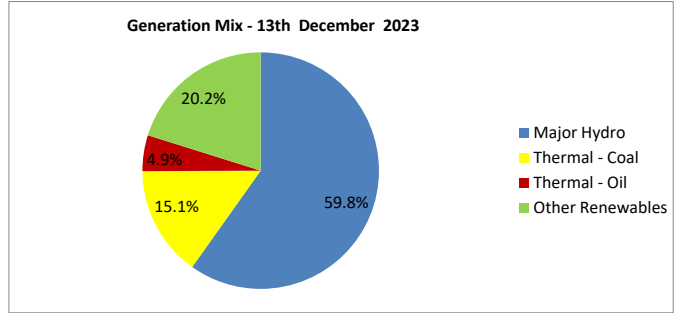
Daily Electricity Generation & Cost Estimation Report

13th December 2023



Daily Generation Mix - 13th December 2023

Plant Type	Generation (GWh)	Percentage
Major Hydro	24.32	59.8%
Thermal - Coal	6.13	15.1%
Thermal - Furnace Oil	2.00	4.9%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.26	3.1%
Wind - IPP	0.87	2.1%
Solar - IPP - Ground Mounted	0.57	1.4%
Solar - Roof Top	1.54	3.8%
Mini Hydro	3.60	8.9%
Municipal Solid Waste	0.36	0.9%
Total	40.65	



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

Estimated Generation Cost : 13th 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	2.45	2.45
Thermal - Coal	127.0	8.2	66.1	201.3	20.71	1.33	10.77	32.82
Thermal - Furnace Oil	101.4	6.0	60.8	168.2	50.81	3.00	30.49	84.30
Thermal - Diesel	0.0	1.8	15.9	17.7	0.00	0.00	0.00	0.00
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	4.70	4.70
Wind - IPP	12.1	0.0	0.0	12.1	13.95	0.00	0.00	13.95
Solar - IPP - Ground Mounted	10.8	0.0	0.0	10.8	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	51.4	0.0	0.0	51.4	14.28	0.00	0.00	14.28
Municipal Solid Waste	12.6	0.0	0.0	12.6	34.58	0.00	0.00	34.58
Total	352.8	17.1	214.8	584.7	8.68	0.42	5.29	14.39

Note -

Start/Stop costs has been excluded in the calculation

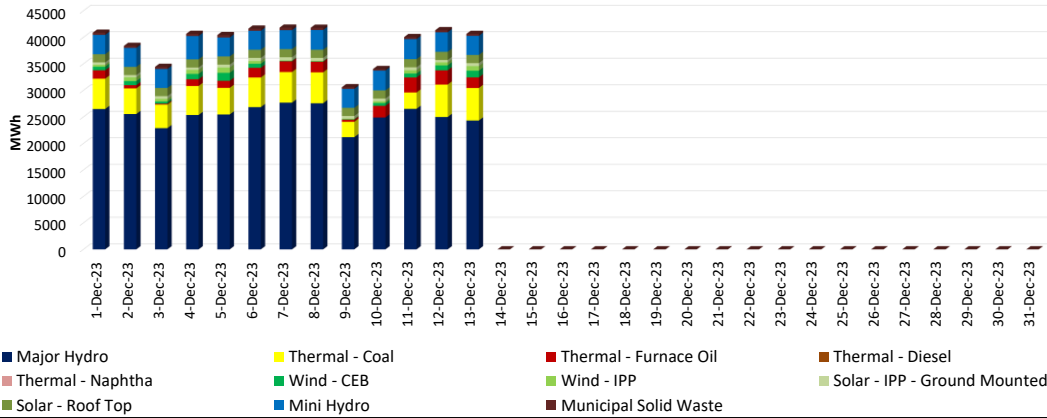
Unit Cost of Generation for the day : **14.39** LKR/kWh
 Total Generation Cost for the day: **584.7** Mn LKR

Fuel Prices

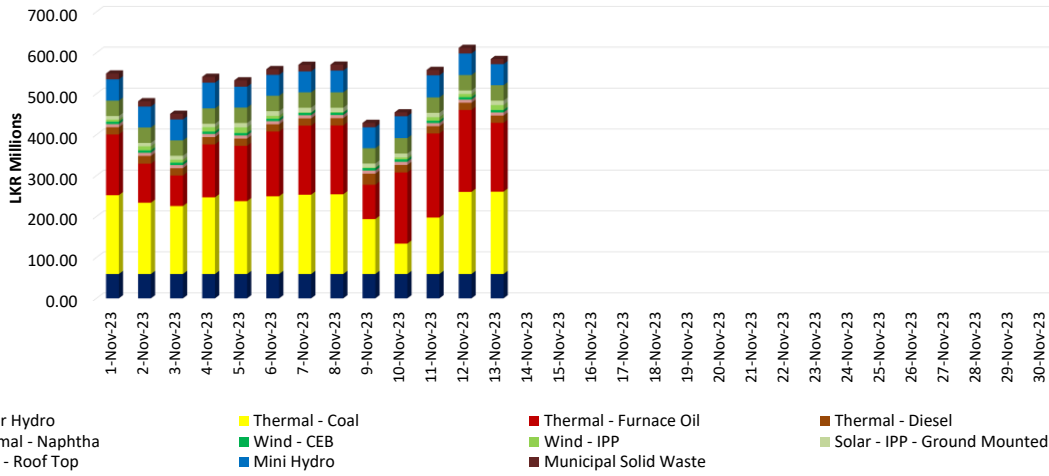
(as at 1st Dec 2023)

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

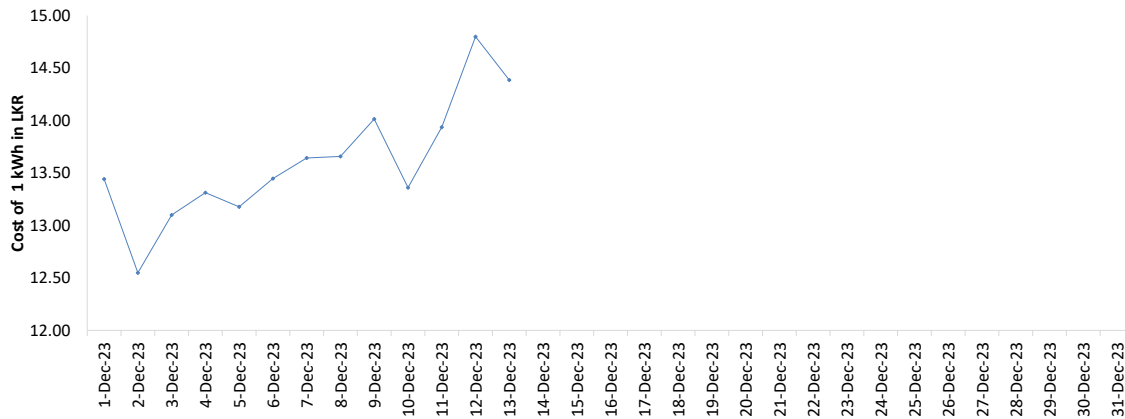
Generation Mix -December 2023

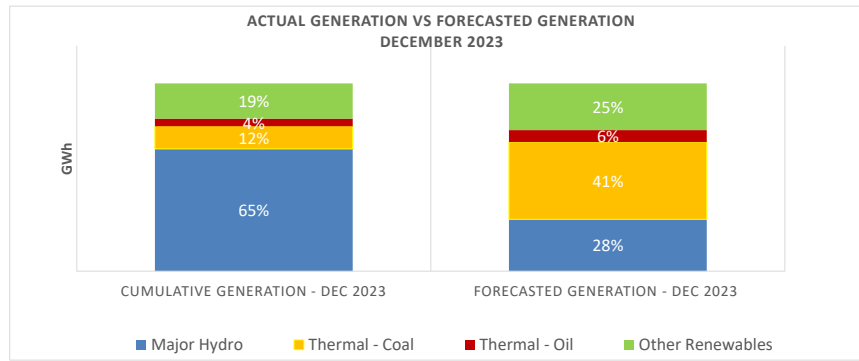


Cost of Generation -December 2023



Per Unit Cost of Generation - December 2023





	Cumulative Generation - December 2023 [GWh]	Forecasted Generation - December 2023 [GWh]
Major Hydro	330	353
Thermal - Coal	61	524
Thermal - Oil	21	81
Other Renewables	95	317
Total	507	1276

Forecasted Generation - SDDP November 2023

Estimated Cost of Generation - December 2023 (Mn LKR)

Major Hydro	774.53 Mn LKR
Thermal - Coal	2225.42 Mn LKR
Thermal - Furnace Oil	1909.81 Mn LKR
Thermal - Diesel	242.04 Mn LKR
Thermal - Naphtha	99.25 Mn LKR
Wind - CEB	77.12 Mn LKR
Wind - IPP	89.75 Mn LKR
Solar - IPP - Ground Mounted	129.37 Mn LKR
Solar - Roof Top	488.79 Mn LKR
Mini Hydro	684.73 Mn LKR
Municipal Solid Waste	174.46 Mn LKR
Total Generation Cost (Dec)	6,895.26 Mn LKR
Average Unit Cost of Generation (Dec)	13.61 LKR/kWh