



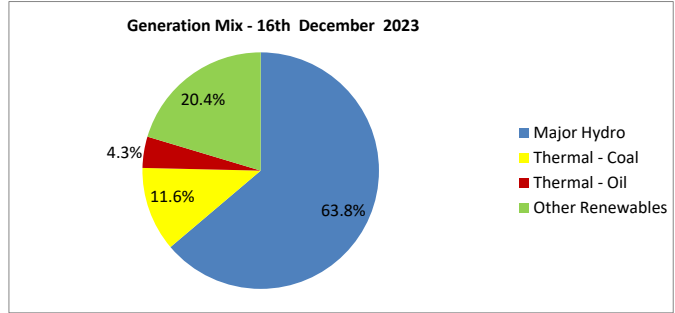
Daily Electricity Generation & Cost Estimation Report

16th December 2023



Daily Generation Mix - 16th December 2023

Plant Type	Generation (GWh)	Percentage
Major Hydro	24.28	63.8%
Thermal - Coal	4.40	11.6%
Thermal - Furnace Oil	1.41	3.7%
Thermal - Diesel	0.01	0.0%
Thermal - Naphtha	0.21	0.5%
Wind - CEB	0.90	2.4%
Wind - IPP	0.74	2.0%
Solar - IPP - Ground Mounted	0.42	1.1%
Solar - Roof Top	1.54	4.0%
Mini Hydro	3.74	9.8%
Municipal Solid Waste	0.41	1.1%
Total	38.05	



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

Estimated Generation Cost : 16th 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	91.0	8.2	66.1	165.3	20.71	1.86	15.03	37.60
Thermal - Furnace Oil	70.6	6.0	60.8	137.5	50.07	4.24	43.11	97.42
Thermal - Diesel	0.8	1.8	15.9	18.5	85.61	201.27	1769.65	2056.53
Thermal - Naphtha	9.0	1.2	6.5	16.6	43.39	5.56	31.32	80.27
Wind - CEB	0.0	0.0	5.9	5.9	0.00	0.00	6.57	6.57
Wind - IPP	10.4	0.0	0.0	10.4	13.95	0.00	0.00	13.95
Solar - IPP - Ground Mounted	7.9	0.0	0.0	7.9	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	14.0	0.0	0.0	14.0	34.58	0.00	0.00	34.58
Total	294.7	17.1	214.8	526.7	7.75	0.45	5.65	13.84

Note -

Start/Stop costs has been excluded in the calculation

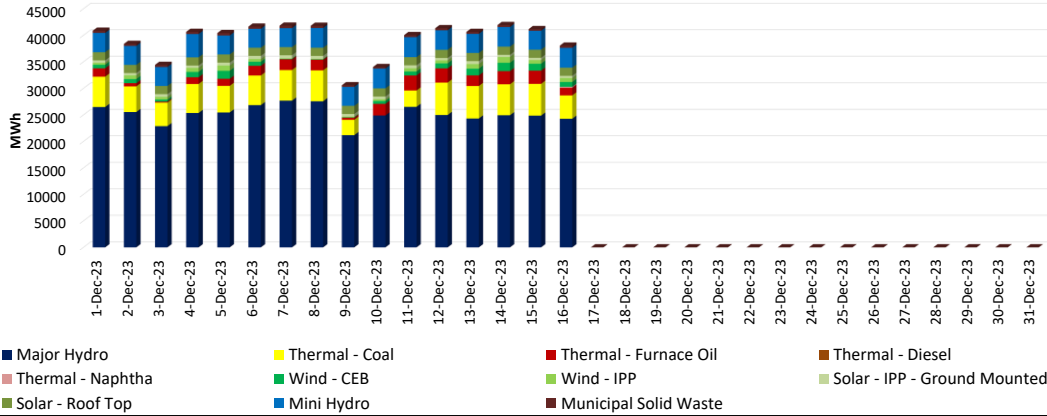
Unit Cost of Generation for the day : **13.84** LKR/kWh
 Total Generation Cost for the day: **526.7** Mn LKR

Fuel Prices

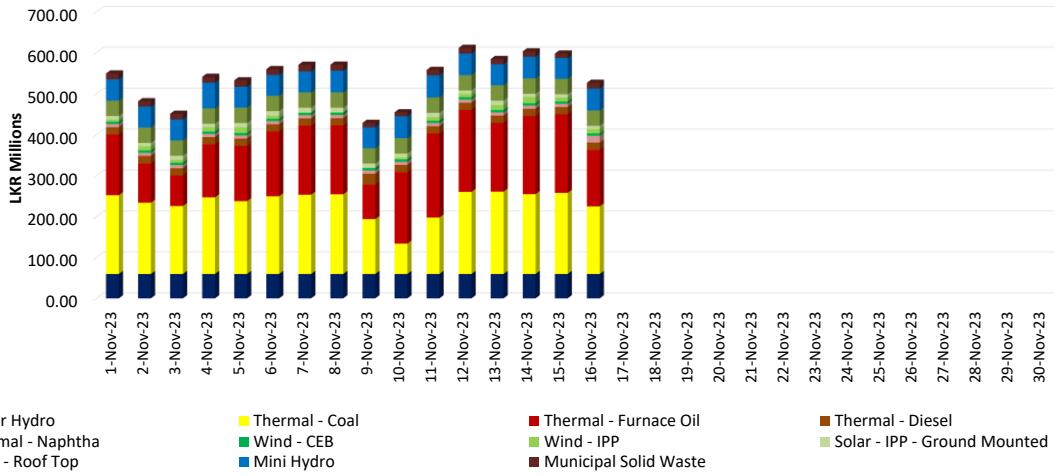
(as at 1st Dec 2023)

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

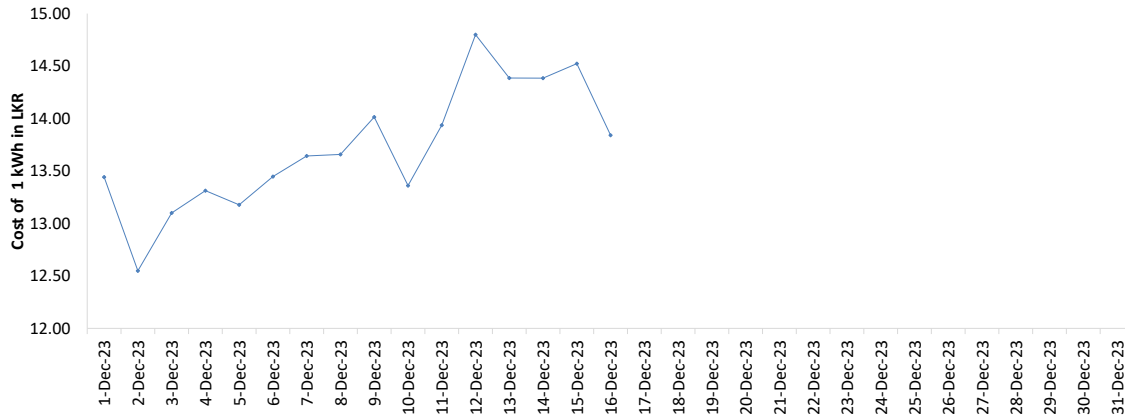
Generation Mix -December 2023

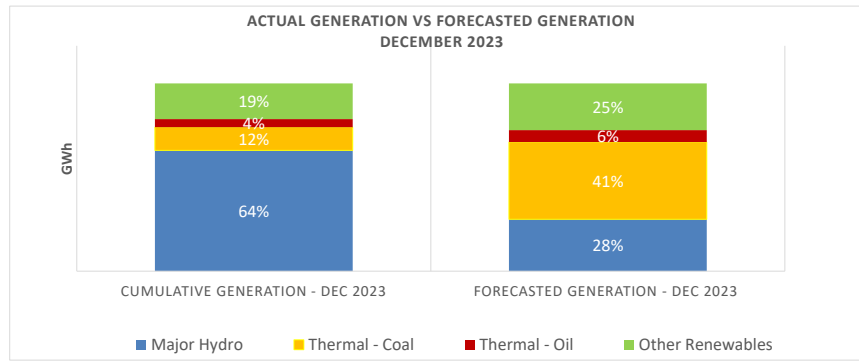


Cost of Generation -December 2023



Per Unit Cost of Generation - December 2023





	Cumulative Generation - December 2023 [GWh]	Forecasted Generation - December 2023 [GWh]
Major Hydro	404	353
Thermal - Coal	77	524
Thermal - Oil	28	81
Other Renewables	119	317
Total	628	1276

Forecasted Generation - SDDP November 2023

Estimated Cost of Generation - December 2023 (Mn LKR)

Major Hydro	953.26 Mn LKR
Thermal - Coal	2784.19 Mn LKR
Thermal - Furnace Oil	2430.15 Mn LKR
Thermal - Diesel	296.02 Mn LKR
Thermal - Naphtha	131.14 Mn LKR
Wind - CEB	94.91 Mn LKR
Wind - IPP	124.78 Mn LKR
Solar - IPP - Ground Mounted	153.26 Mn LKR
Solar - Roof Top	601.58 Mn LKR
Mini Hydro	841.86 Mn LKR
Municipal Solid Waste	212.08 Mn LKR
Total Generation Cost (Dec)	8,623.25 Mn LKR
Average Unit Cost of Generation (Dec)	13.73 LKR/kWh