



# Daily Electricity Generation & Cost Estimation Report

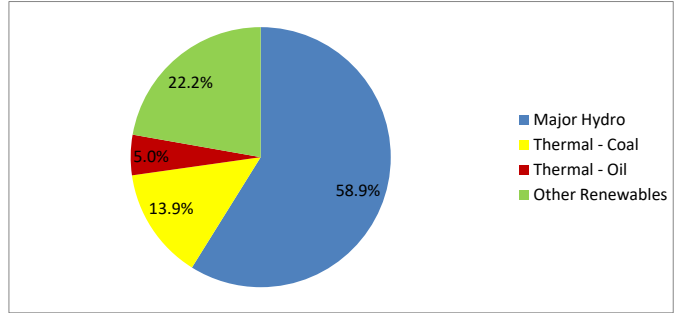
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11th January 2024



**Daily Generation Mix - 11th January 2024**

Plant Type	Generation (GWh)	Percentage
<b>Major Hydro</b>	25.46	58.9%
Thermal - Coal	6.01	13.9%
Thermal - Furnace Oil	2.17	5.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.39	3.2%
Wind - IPP	1.02	2.4%
Solar - IPP - Ground Mounted	0.51	1.2%
Solar - Roof Top	1.65	3.8%
Mini Hydro	4.76	11.0%
Municipal Solid Waste	0.28	0.6%
<b>Total</b>	<b>43.24</b>	



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

**Estimated Generation Cost : 11th 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)
<b>Major Hydro</b>	0.0	0.0	99.5	99.5	0.00	0.00	3.91	3.91
Thermal - Coal	123.7	27.5	134.6	285.7	20.59	4.57	22.40	47.56
Thermal - Furnace Oil	117.2	14.7	76.0	208.0	54.10	6.78	35.08	95.96
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	12.67	12.67
Wind - IPP	14.0	0.0	0.0	14.0	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	10.1	0.0	0.0	10.1	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	68.0	0.0	0.0	68.0	14.27	0.00	0.00	14.27
Municipal Solid Waste	9.7	0.0	0.0	9.7	35.02	0.00	0.00	35.02
<b>Total</b>	<b>383.3</b>	<b>47.0</b>	<b>368.1</b>	<b>798.4</b>	<b>8.86</b>	<b>1.09</b>	<b>8.51</b>	<b>18.47</b>

Note -

Start/Stop costs has been excluded in the calculation

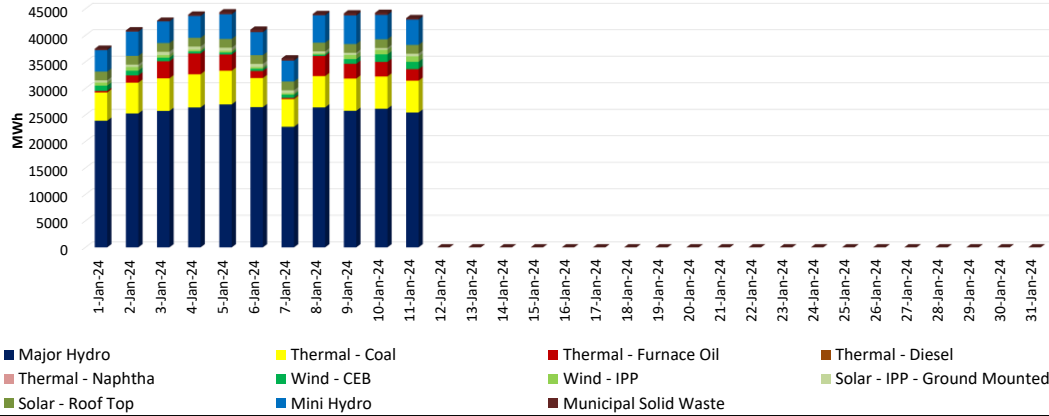
**Unit Cost of Generation for the day : 18.47 LKR/kWh**  
**Total Generation Cost for the day: 798.4 Mn LKR**

**Fuel Prices**

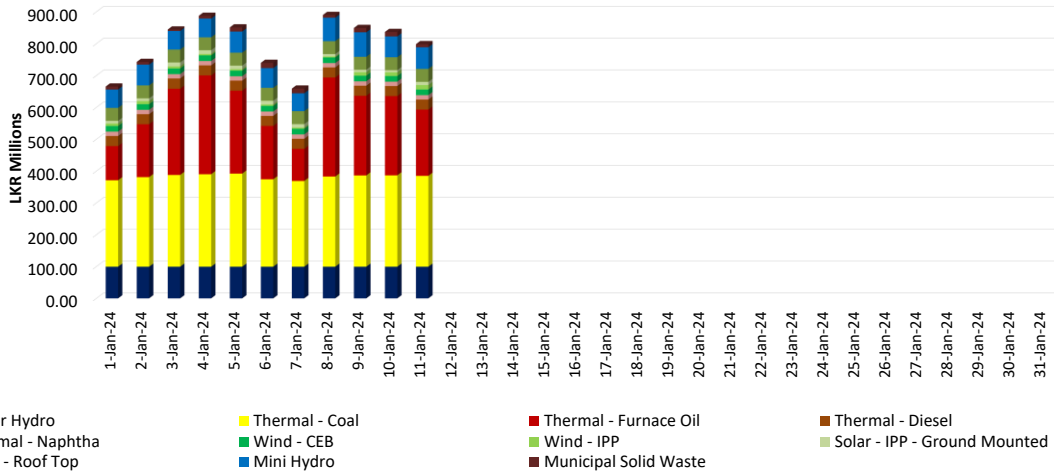
( as at 1st Jan 2023)

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

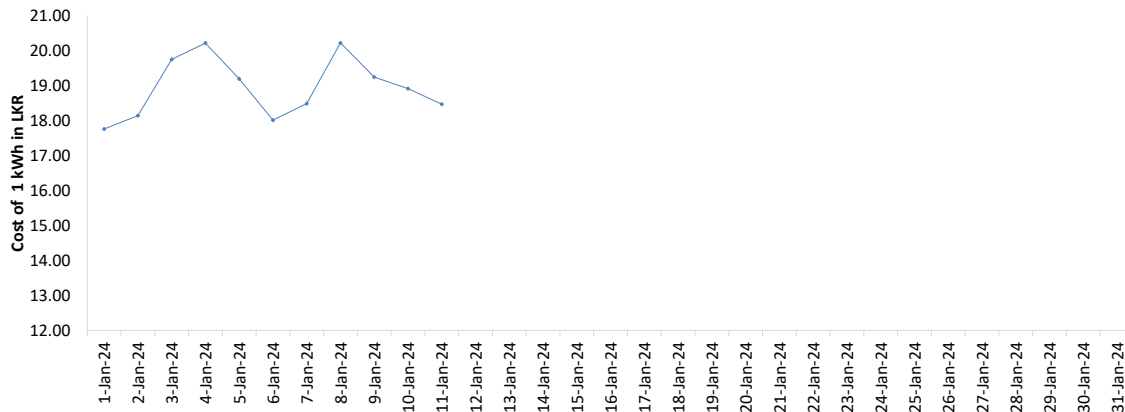
Generation Mix - January 2023

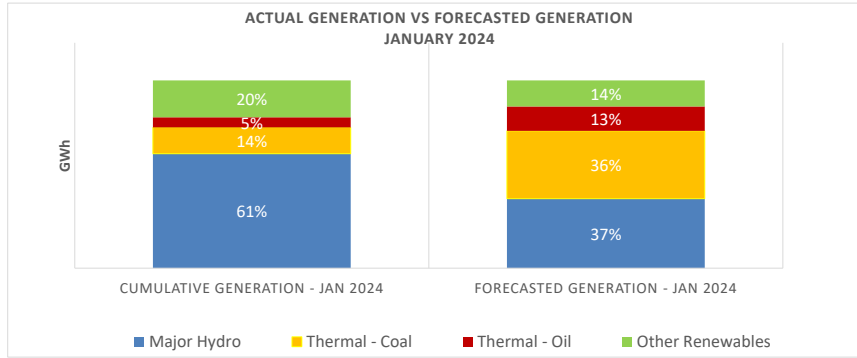


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	281	478
Thermal - Coal	65	467
Thermal - Oil	25	168
Other Renewables	91	180
<b>Total</b>	<b>462</b>	<b>1293</b>

Forecasted Generation - SDDP January 2024

**Estimated Cost of Generation - January 2024 ( Mn LKR)**

Major Hydro	1094.06 Mn LKR
Thermal - Coal	3112.87 Mn LKR
Thermal - Furnace Oil	2400.01 Mn LKR
Thermal - Diesel	349.01 Mn LKR
Thermal - Naphtha	151.16 Mn LKR
Wind - CEB	193.25 Mn LKR
Wind - IPP	80.32 Mn LKR
Solar - IPP - Ground Mounted	108.43 Mn LKR
Solar - Roof Top	446.38 Mn LKR
Mini Hydro	707.47 Mn LKR
Municipal Solid Waste	120.76 Mn LKR
<b>Total Generation Cost (Jan)</b>	<b>8,763.72 Mn LKR</b>
<b>Average Unit Cost of Generation (Jan)</b>	<b>18.98 LKR/kWh</b>