



# Daily Electricity Generation & Cost Estimation Report

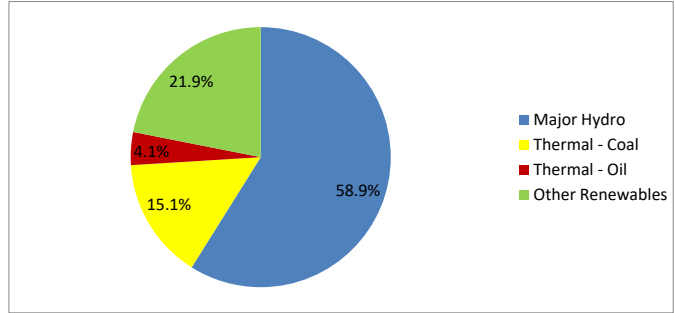
---

15th January 2024



**Daily Generation Mix - 15th January 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.37	58.9%
Thermal - Coal	5.22	15.1%
Thermal - Furnace Oil	1.41	4.1%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.59	1.7%
Wind - IPP	0.61	1.8%
Solar - IPP - Ground Mounted	0.61	1.7%
Solar - Roof Top	1.65	4.8%
Mini Hydro	3.76	10.9%
Municipal Solid Waste	0.37	1.1%
<b>Total</b>	<b>34.57</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 : 15th 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	4.88	4.88
Thermal - Coal	107.6	27.5	134.6	269.6	20.59	5.25	25.76	51.60
Thermal - Furnace Oil	84.9	14.7	76.0	175.6	60.12	10.40	53.84	124.37
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	30.03	30.03
Wind - IPP	8.3	0.0	0.0	8.3	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	11.9	0.0	0.0	11.9	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	53.6	0.0	0.0	53.6	14.27	0.00	0.00	14.27
Municipal Solid Waste	12.8	0.0	0.0	12.8	35.02	0.00	0.00	35.02
<b>Total</b>	<b>319.7</b>	<b>47.0</b>	<b>368.1</b>	<b>734.8</b>	<b>9.25</b>	<b>1.36</b>	<b>10.65</b>	<b>21.25</b>

Note -

Start/Stop costs has been excluded in the calculation

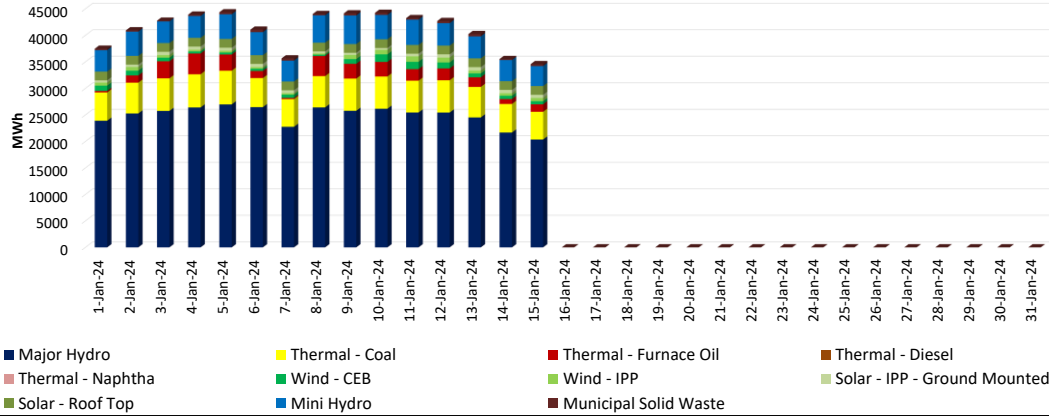
Unit Cost of Generation for the day : **21.25** LKR/kWh  
 Total Generation Cost for the day: **734.8** Mn LKR

**Fuel Prices**

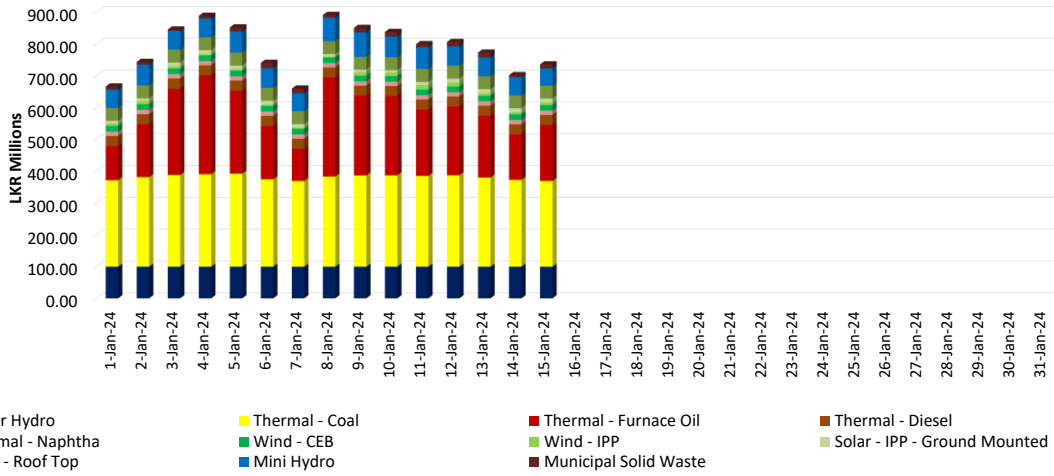
( as at 1st Jan 2023)

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

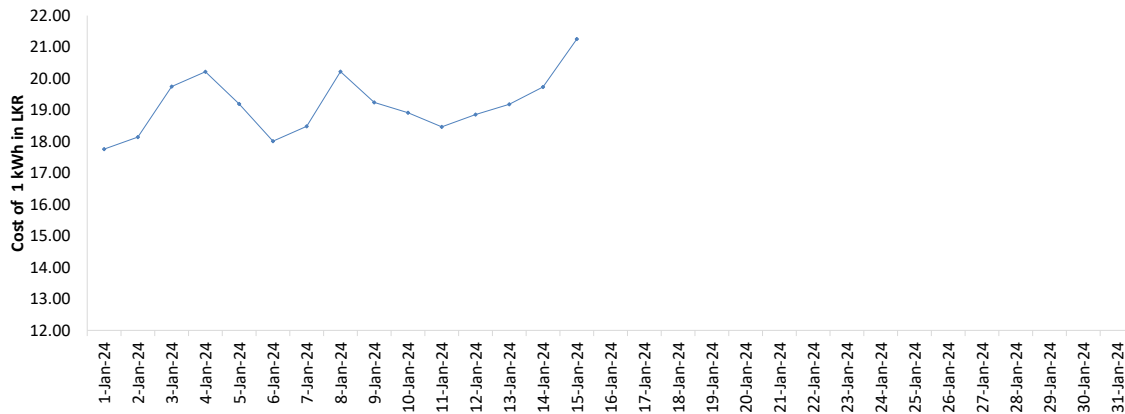
Generation Mix - January 2023

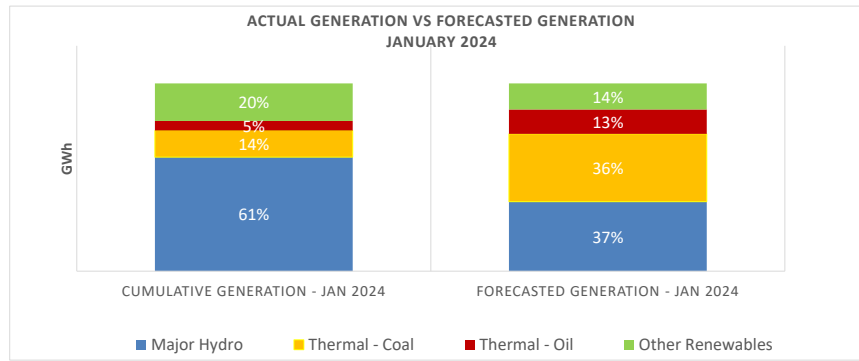


Cost of Generation - January 2023



Per Unit Cost of Generation - January 2023





	Cumulative Generation - January 2024 [GWh]	Forecasted Generation - January 2024 [GWh]
Major Hydro	373	478
Thermal - Coal	87	467
Thermal - Oil	31	168
Other Renewables	123	180
<b>Total</b>	<b>615</b>	<b>1293</b>

Forecasted Generation - SDDP January 2024

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

Major Hydro	1491.90 Mn LKR
Thermal - Coal	4223.15 Mn LKR
Thermal - Furnace Oil	3128.45 Mn LKR
Thermal - Diesel	475.43 Mn LKR
Thermal - Naphtha	206.13 Mn LKR
Wind - CEB	263.52 Mn LKR
Wind - IPP	115.04 Mn LKR
Solar - IPP - Ground Mounted	158.10 Mn LKR
Solar - Roof Top	608.70 Mn LKR
Mini Hydro	937.17 Mn LKR
Municipal Solid Waste	169.05 Mn LKR
<b>Total Generation Cost (Jan)</b>	<b>11,776.63 Mn LKR</b>
<b>Average Unit Cost of Generation (Jan)</b>	<b>19.16 LKR/kWh</b>