



# Daily Electricity Generation & Cost Estimation Report

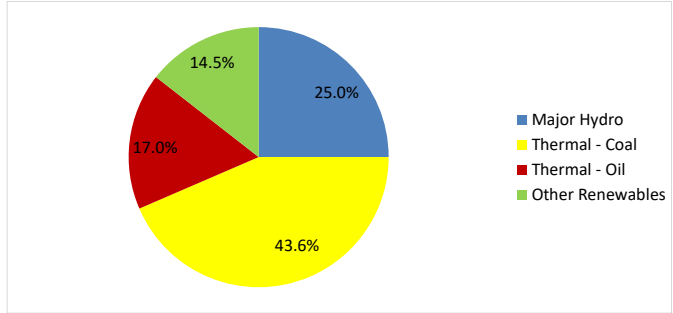
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8th February 2024



**Daily Generation Mix - 8th February 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.14	25.0%
Thermal - Coal	19.43	43.6%
Thermal - Furnace Oil	7.59	17.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.55	1.2%
Wind - IPP	0.50	1.1%
Solar - IPP - Ground Mounted	0.77	1.7%
Solar - Roof Top	1.47	3.3%
Mini Hydro	2.71	6.1%
Municipal Solid Waste	0.45	1.0%
<b>Total</b>	<b>44.60</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 : 8th February 2024**

Plant Type	Energy Cost (Mn LKR)	Non Fuel Energy Cost (Mn LKR)	Capacity Cost (Mn LKR)	Total Cost of Generation (Mn LKR)	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	63.7	63.7	0.00	0.00	5.72	5.72
Thermal - Coal	399.5	8.7	70.6	478.8	20.56	0.45	3.64	24.65
Thermal - Furnace Oil	243.6	6.4	65.0	315.0	32.11	0.84	8.57	41.52
Thermal - Diesel	0.0	1.9	17.0	19.0	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.2	6.9	8.2	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	6.3	6.3	0.00	0.00	11.47	11.47
Wind - IPP	6.9	0.0	0.0	6.9	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	15.1	0.0	0.0	15.1	19.67	0.00	0.00	19.67
Solar - Roof Top	36.2	0.0	0.0	36.2	24.59	0.00	0.00	24.59
Mini Hydro	38.7	0.0	0.0	38.7	14.27	0.00	0.00	14.27
Municipal Solid Waste	15.7	0.0	0.0	15.7	35.02	0.00	0.00	35.02
<b>Total</b>	<b>755.6</b>	<b>18.3</b>	<b>229.6</b>	<b>1003.5</b>	<b>16.94</b>	<b>0.41</b>	<b>5.15</b>	<b>22.50</b>

Note -

Start/Stop costs has been excluded in the calculation

Capacity Cost : 2023 Sept BST submission has been considered in the calculation

**Unit Cost of Generation for the day : 22.50 LKR/kWh**  
**Total Generation Cost for the day: 1003.5 Mn LKR**

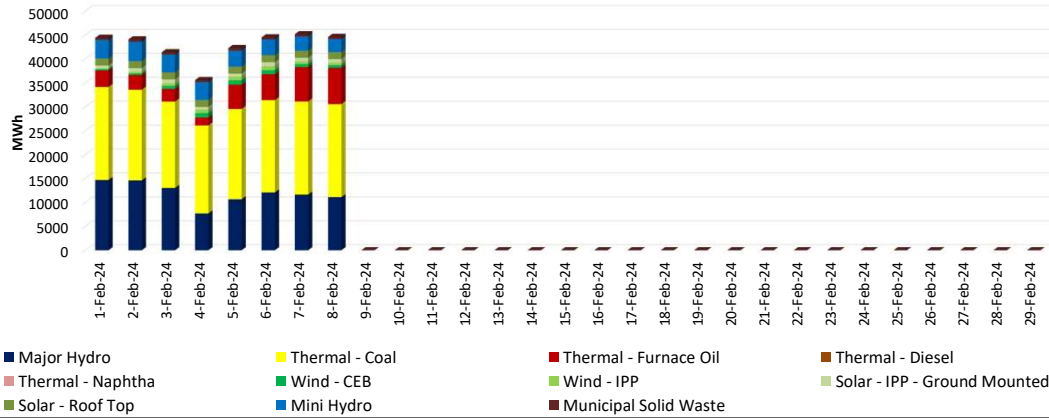
**Fuel Prices**

( as at 1st Feb 2024 ; New price adjustment )

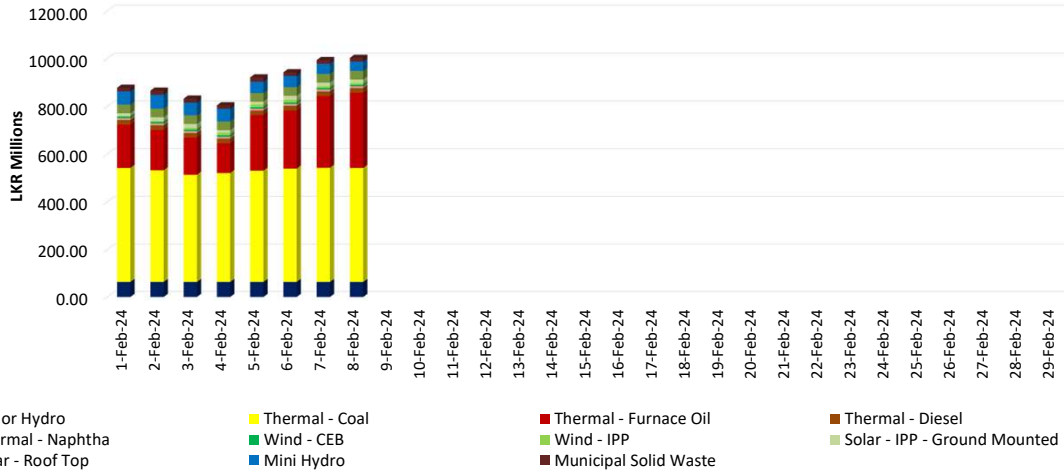
	Price (LKR/Liter or LKR/kg)
Furnace	140.00
Coal	50.09
*Naphtha	188.00
Auto Diesel	363.00

\*VAT exempted fuel price

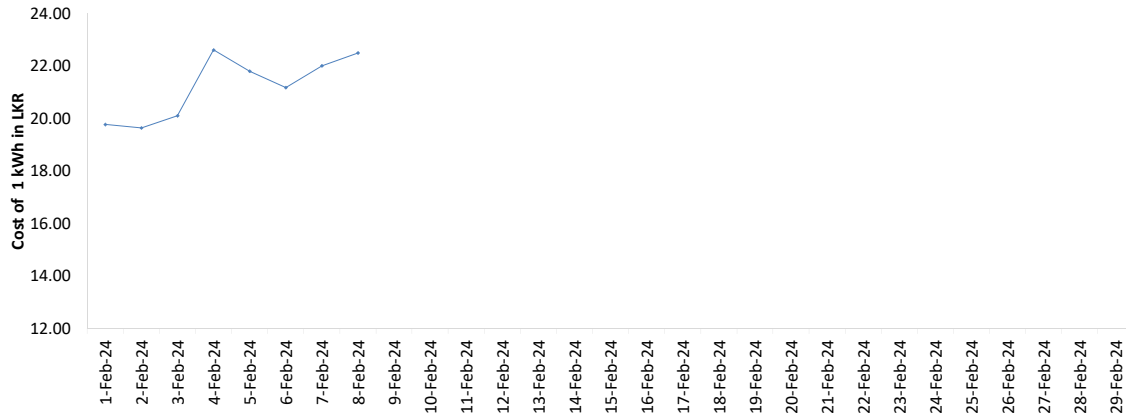
Generation Mix - February 2024

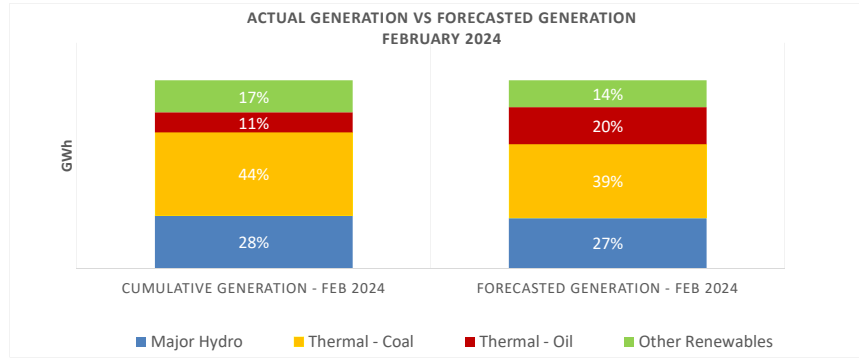


Cost of Generation - February 2024



Per Unit Cost of Generation - February 2024





	Cumulative Generation - Feb 2024 [GWh]	Forecasted Generation - Feb 2024 [GWh]
Major Hydro	96	322
Thermal - Coal	152	474
Thermal - Oil	36	237
Other Renewables	58	171
<b>Total</b>	<b>342</b>	<b>1204</b>

Forecasted Generation - SDDP January 2024

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

Major Hydro	509.50 Mn LKR
Thermal - Coal	3757.77 Mn LKR
Thermal - Furnace Oil	1723.00 Mn LKR
Thermal - Diesel	151.73 Mn LKR
Thermal - Naphtha	65.29 Mn LKR
Wind - CEB	50.73 Mn LKR
Wind - IPP	59.88 Mn LKR
Solar - IPP - Ground Mounted	113.86 Mn LKR
Solar - Roof Top	289.23 Mn LKR
Mini Hydro	394.91 Mn LKR
Municipal Solid Waste	127.38 Mn LKR
<b>Total Generation Cost (Feb)</b>	<b>7,243.27 Mn LKR</b>
Average Unit Cost of Generation (Feb)	21.18 LKR/kWh