



# Daily Electricity Generation & Cost Estimation Report

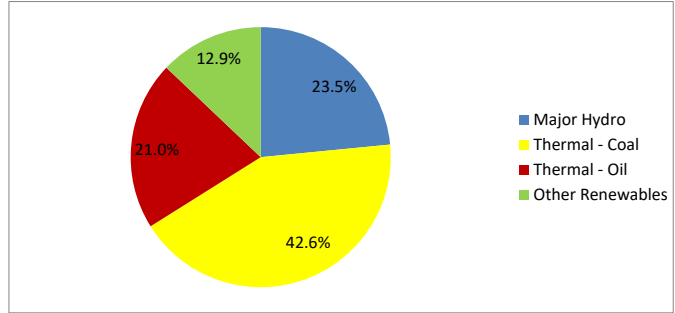
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29th February 2024



**Daily Generation Mix - 29th February 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	10.71	23.5%
Thermal - Coal	19.46	42.6%
Thermal - Furnace Oil	9.59	21.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.65	1.4%
Wind - IPP	0.65	1.4%
Solar - IPP - Ground Mounted	0.80	1.7%
Solar - Roof Top	1.47	3.2%
Mini Hydro	1.93	4.2%
Municipal Solid Waste	0.39	0.9%
<b>Total</b>	<b>45.66</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 : 29th 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	5.95	5.95
Thermal - Coal	400.3	8.7	70.6	479.6	20.56	0.45	3.63	24.64
Thermal - Furnace Oil	439.6	6.4	65.0	511.1	45.84	0.67	6.78	53.29
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	9.73	9.73
Wind - IPP	9.0	0.0	0.0	9.0	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	15.7	0.0	0.0	15.7	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	27.6	0.0	0.0	27.6	14.27	0.00	0.00	14.27
Municipal Solid Waste	13.7	0.0	0.0	13.7	35.02	0.00	0.00	35.02
<b>Total</b>	<b>942.1</b>	<b>18.3</b>	<b>229.6</b>	<b>1190.0</b>	<b>20.63</b>	<b>0.40</b>	<b>5.03</b>	<b>26.06</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 : 26.06 LKR/kWh**  
**Total Generation Cost for the day: 1190.01 Mn LKR**

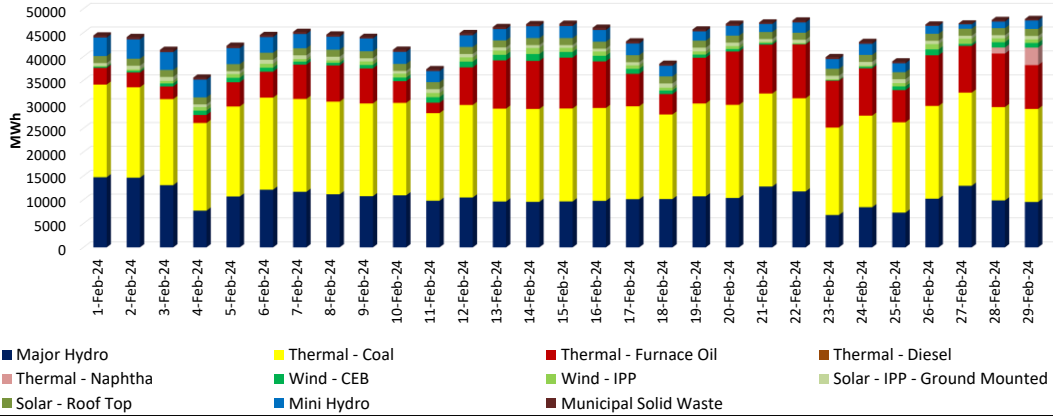
**Fuel Prices**

( as at 21st Feb 2024)

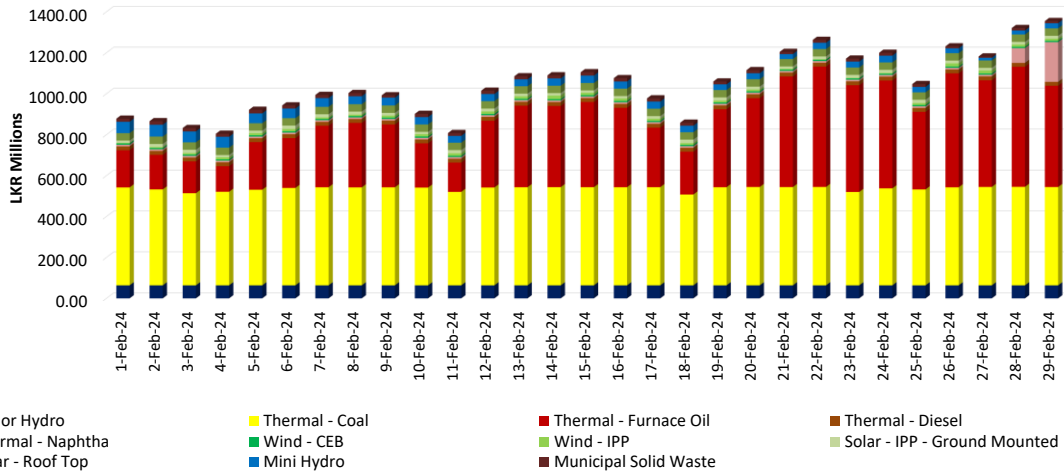
	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	50.09
*Naphtha	188.00
Auto Diesel	363.00

\*VAT exempted fuel price

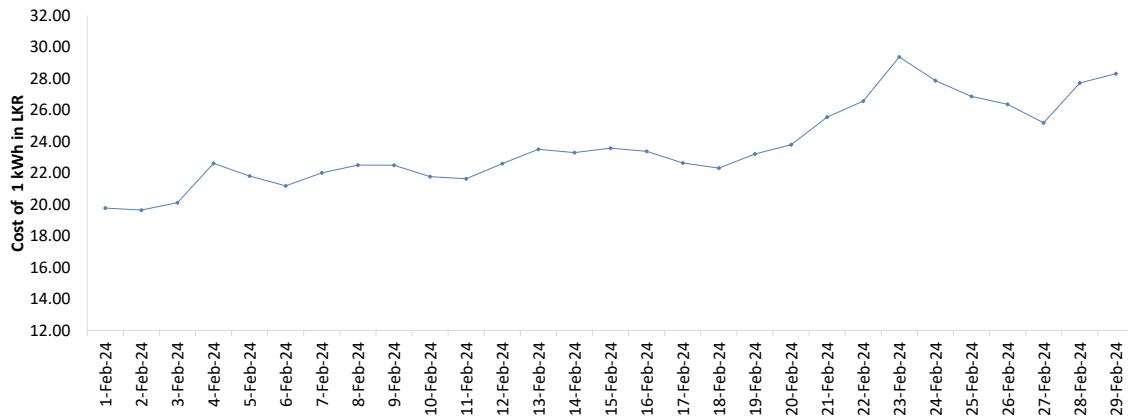
Generation Mix - February 2024

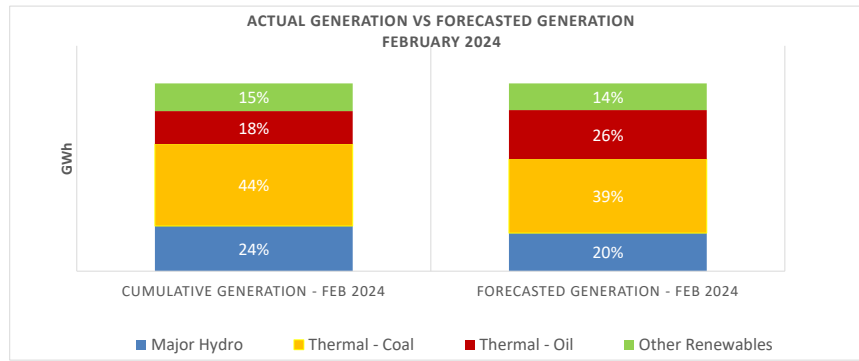


Cost of Generation - February 2024



Per Unit Cost of Generation - February 2024





	Cumulative Generation - Feb 2024 [GWh]	Forecasted Generation - Feb 2024 [GWh]
Major Hydro	307	244
Thermal - Coal	556	474
Thermal - Oil	224	315
Other Renewables	188	171
<b>Total</b>	<b>1276</b>	<b>1204</b>

Forecasted Generation - SDDP February 2024

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

Major Hydro	1846.94 Mn LKR
Thermal - Coal	13738.38 Mn LKR
Thermal - Furnace Oil	10342.38 Mn LKR
Thermal - Diesel	550.05 Mn LKR
Thermal - Naphtha	486.47 Mn LKR
Wind - CEB	183.89 Mn LKR
Wind - IPP	267.36 Mn LKR
Solar - IPP - Ground Mounted	402.03 Mn LKR
Solar - Roof Top	1048.45 Mn LKR
Mini Hydro	1024.09 Mn LKR
Municipal Solid Waste	410.53 Mn LKR
<b>Total Generation Cost (Feb)</b>	<b>30,300.57 Mn LKR</b>
<b>Average Unit Cost of Generation (Feb)</b>	<b>23.75 LKR/kWh</b>