



# Daily Electricity Generation & Cost Estimation Report

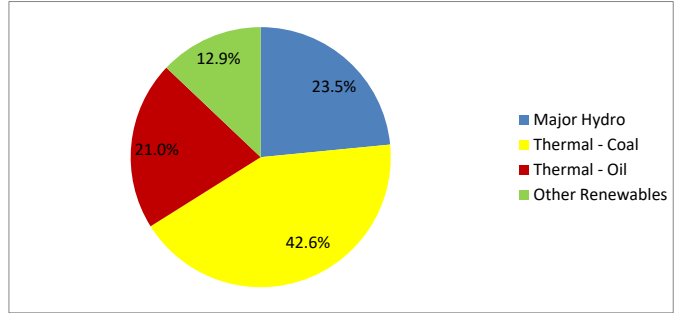
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19th February 2024



**Daily Generation Mix - 19th 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 : 19th 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	309.3	6.4	65.0	380.7	32.25	0.67	6.78	39.70
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>811.7</b>	<b>18.3</b>	<b>229.6</b>	<b>1059.7</b>	<b>17.78</b>	<b>0.40</b>	<b>5.03</b>	<b>23.21</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 : 23.21 LKR/kWh**  
**Total Generation Cost for the day: 1059.7 Mn LKR**

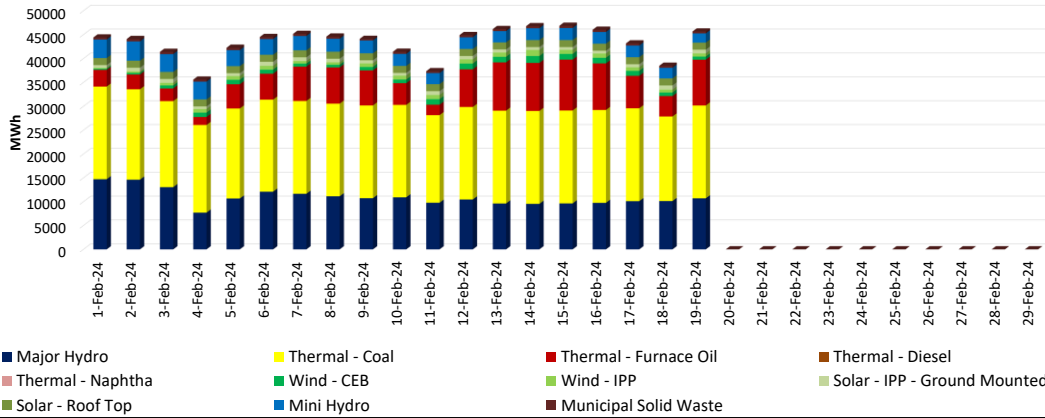
**Fuel Prices**

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

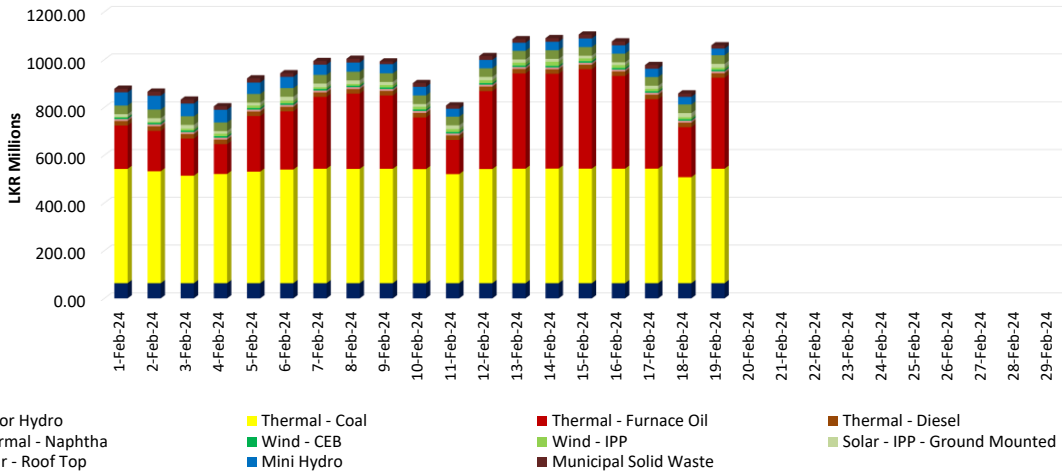
	Price (LKR/Liter or LKR/kg)
Furnace	140.00
Coal	50.09
*Naphtha	188.00
Auto Diesel	363.00

\*VAT exempted fuel price

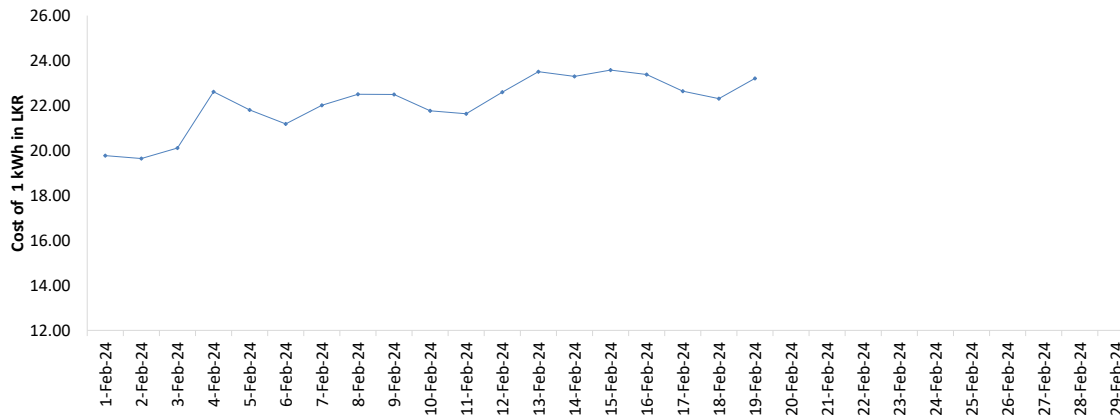
Generation Mix - February 2024

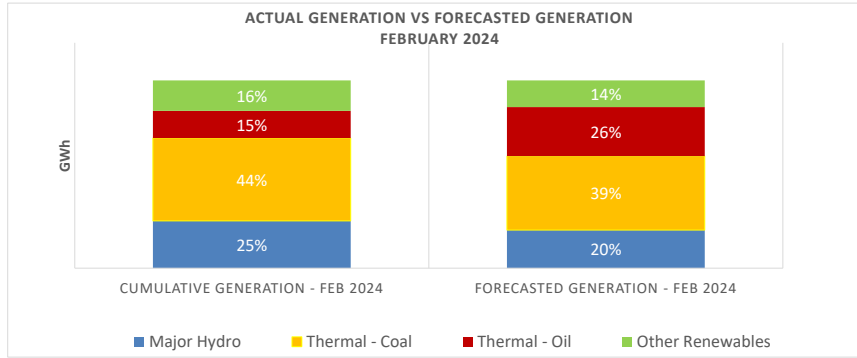


Cost of Generation - February 2024



Per Unit Cost of Generation - February 2024





	Cumulative Generation - Feb 2024 [GWh]	Forecasted Generation - Feb 2024 [GWh]
Major Hydro	207	244
Thermal - Coal	363	474
Thermal - Oil	119	315
Other Renewables	134	171
<b>Total</b>	<b>823</b>	<b>1204</b>

Forecasted Generation - SDDP February 2024

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

Major Hydro	1210.07 Mn LKR
Thermal - Coal	8973.67 Mn LKR
Thermal - Furnace Oil	5194.98 Mn LKR
Thermal - Diesel	360.31 Mn LKR
Thermal - Naphtha	155.07 Mn LKR
Wind - CEB	120.48 Mn LKR
Wind - IPP	185.90 Mn LKR
Solar - IPP - Ground Mounted	262.80 Mn LKR
Solar - Roof Top	686.91 Mn LKR
Mini Hydro	770.79 Mn LKR
Municipal Solid Waste	290.44 Mn LKR
<b>Total Generation Cost (Feb)</b>	<b>18,211.42 Mn LKR</b>
<b>Average Unit Cost of Generation (Feb)</b>	<b>22.13 LKR/kWh</b>