



# Daily Electricity Generation & Cost Estimation Report

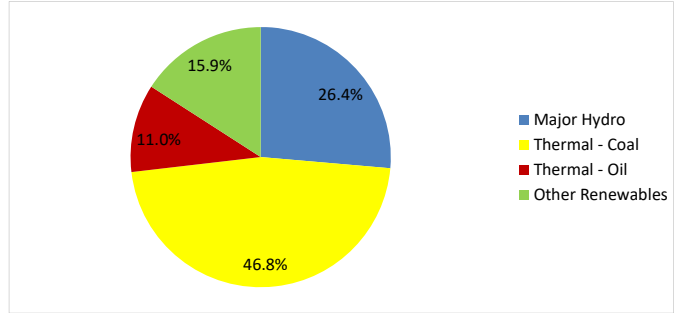
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10th February 2024



**Daily Generation Mix - 10th February 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	10.92	26.4%
Thermal - Coal	19.38	46.8%
Thermal - Furnace Oil	4.54	11.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.75	1.8%
Wind - IPP	0.82	2.0%
Solar - IPP - Ground Mounted	0.59	1.4%
Solar - Roof Top	1.47	3.5%
Mini Hydro	2.51	6.1%
Municipal Solid Waste	0.45	1.1%
<b>Total</b>	<b>41.43</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 : 10th 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	5.83	5.83
Thermal - Coal	398.6	8.7	70.6	478.0	20.56	0.45	3.64	24.66
Thermal - Furnace Oil	144.8	6.4	65.0	216.3	31.90	1.41	14.32	47.63
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	8.41	8.41
Wind - IPP	11.2	0.0	0.0	11.2	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	11.5	0.0	0.0	11.5	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	35.8	0.0	0.0	35.8	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>653.8</b>	<b>18.3</b>	<b>229.6</b>	<b>901.7</b>	<b>15.78</b>	<b>0.44</b>	<b>5.54</b>	<b>21.77</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 : 21.77 LKR/kWh**  
**Total Generation Cost for the day: 901.7 Mn LKR**

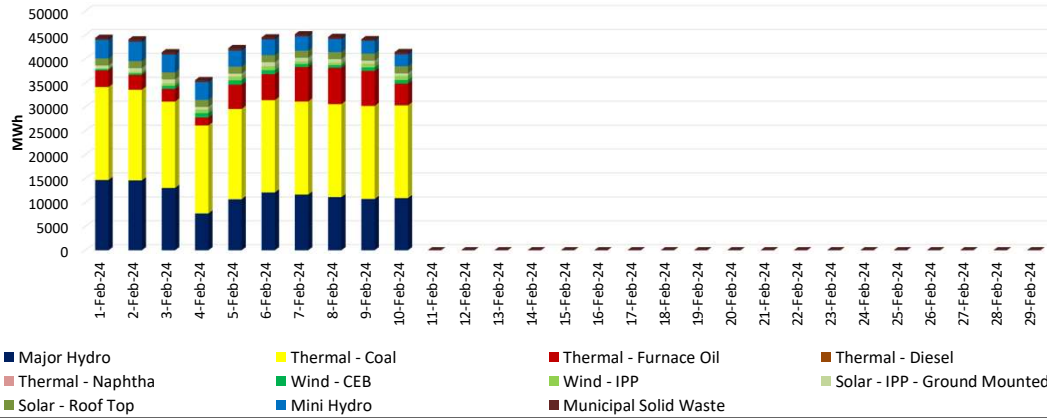
**Fuel Prices**

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

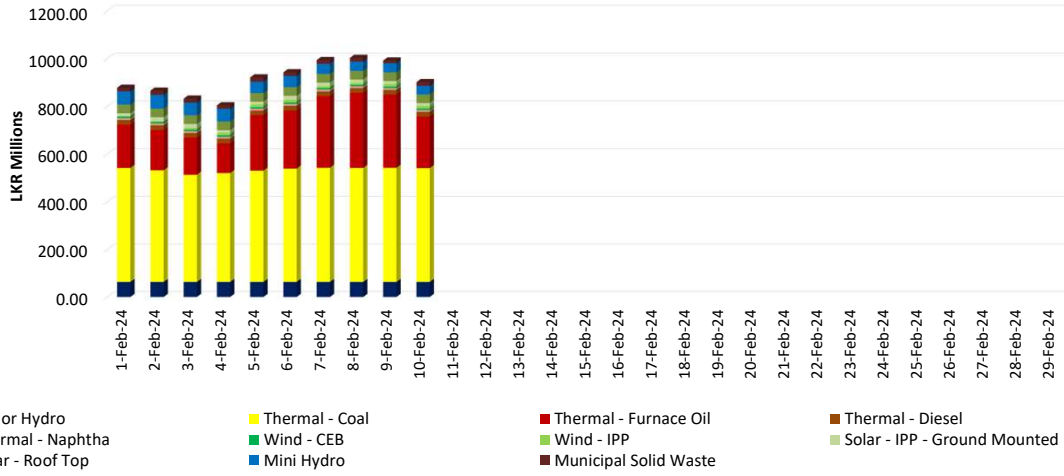
	Price (LKR/Liter or LKR/kg)
Furnace	140.00
Coal	50.09
*Naphtha	188.00
Auto Diesel	363.00

\*VAT exempted fuel price

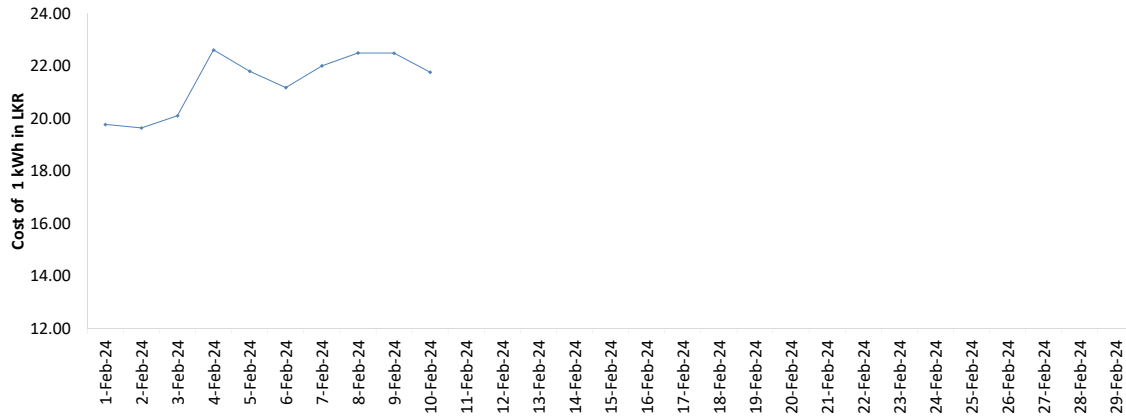
Generation Mix - February 2024

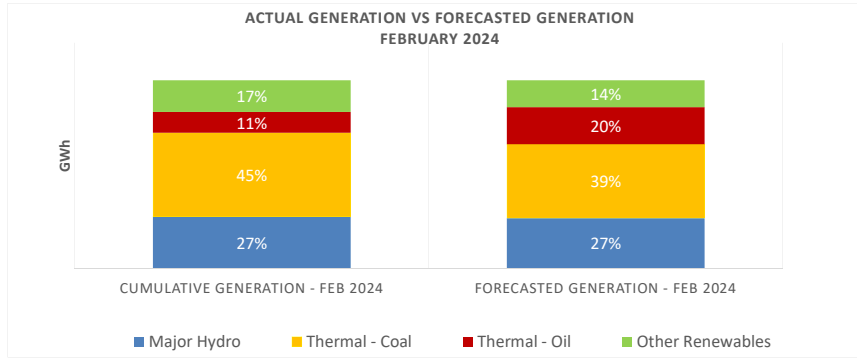


Cost of Generation - February 2024



Per Unit Cost of Generation - February 2024





	Cumulative Generation - Feb 2024 [GWh]	Forecasted Generation - Feb 2024 [GWh]
Major Hydro	117	322
Thermal - Coal	191	474
Thermal - Oil	48	237
Other Renewables	72	171
<b>Total</b>	<b>428</b>	<b>1204</b>

Forecasted Generation - SDDP January 2024

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

Major Hydro	636.88 Mn LKR
Thermal - Coal	4715.05 Mn LKR
Thermal - Furnace Oil	2246.16 Mn LKR
Thermal - Diesel	189.65 Mn LKR
Thermal - Naphtha	81.61 Mn LKR
Wind - CEB	63.41 Mn LKR
Wind - IPP	81.16 Mn LKR
Solar - IPP - Ground Mounted	138.50 Mn LKR
Solar - Roof Top	361.53 Mn LKR
Mini Hydro	469.04 Mn LKR
Municipal Solid Waste	154.20 Mn LKR
<b>Total Generation Cost (Feb)</b>	<b>9,137.20 Mn LKR</b>
Average Unit Cost of Generation (Feb)	21.37 LKR/kWh