



# Daily Electricity Generation & Cost Estimation Report

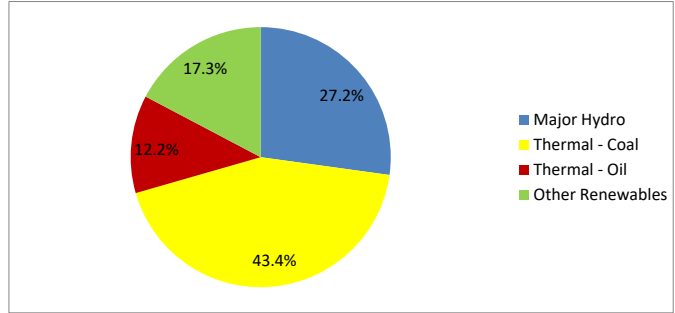
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6th February 2024



**Daily Generation Mix - 6th February 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.10	27.2%
Thermal - Coal	19.30	43.4%
Thermal - Furnace Oil	5.42	12.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.85	1.9%
Wind - IPP	0.80	1.8%
Solar - IPP - Ground Mounted	0.86	1.9%
Solar - Roof Top	1.47	3.3%
Mini Hydro	3.28	7.4%
Municipal Solid Waste	0.44	1.0%
<b>Total</b>	<b>44.51</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 : 6th 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	5.26	5.26
Thermal - Coal	396.9	8.7	70.6	476.3	20.56	0.45	3.66	24.68
Thermal - Furnace Oil	172.0	6.4	65.0	243.4	31.75	1.18	12.00	44.93
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	7.44	7.44
Wind - IPP	11.0	0.0	0.0	11.0	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	16.8	0.0	0.0	16.8	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	46.8	0.0	0.0	46.8	14.27	0.00	0.00	14.27
Municipal Solid Waste	15.3	0.0	0.0	15.3	35.02	0.00	0.00	35.02
<b>Total</b>	<b>694.9</b>	<b>18.3</b>	<b>229.6</b>	<b>942.9</b>	<b>15.61</b>	<b>0.41</b>	<b>5.16</b>	<b>21.18</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 : 21.18 LKR/kWh**  
**Total Generation Cost for the day: 942.9 Mn LKR**

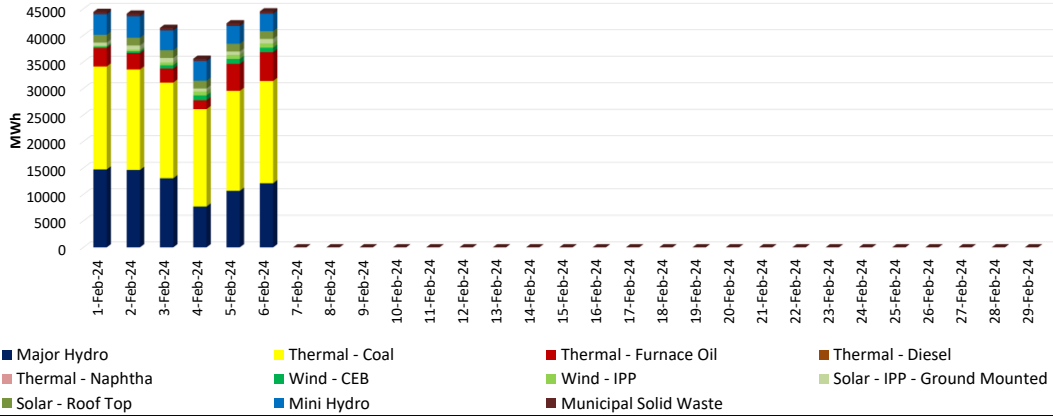
**Fuel Prices**

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

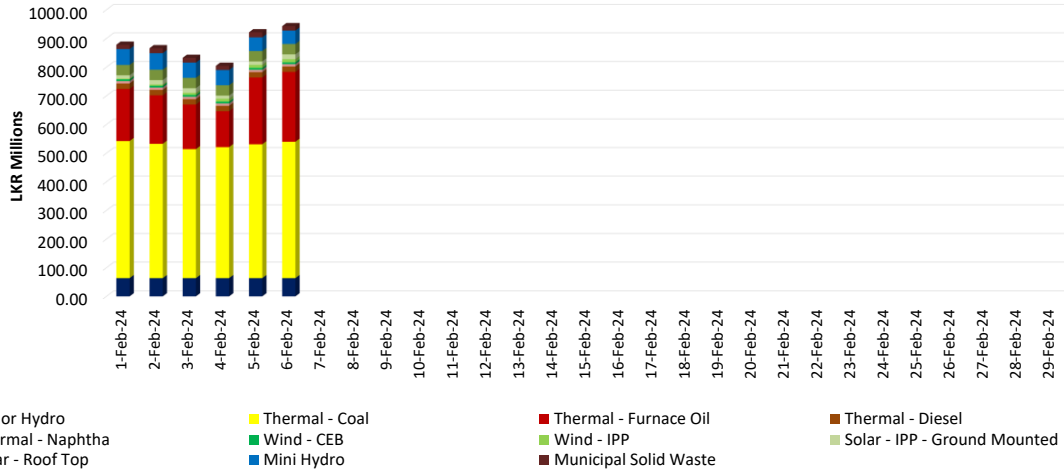
	Price (LKR/Liter or LKR/kg)
Furnace	140.00
Coal	50.09
*Naphtha	188.00
Auto Diesel	363.00

\*VAT exempted fuel price

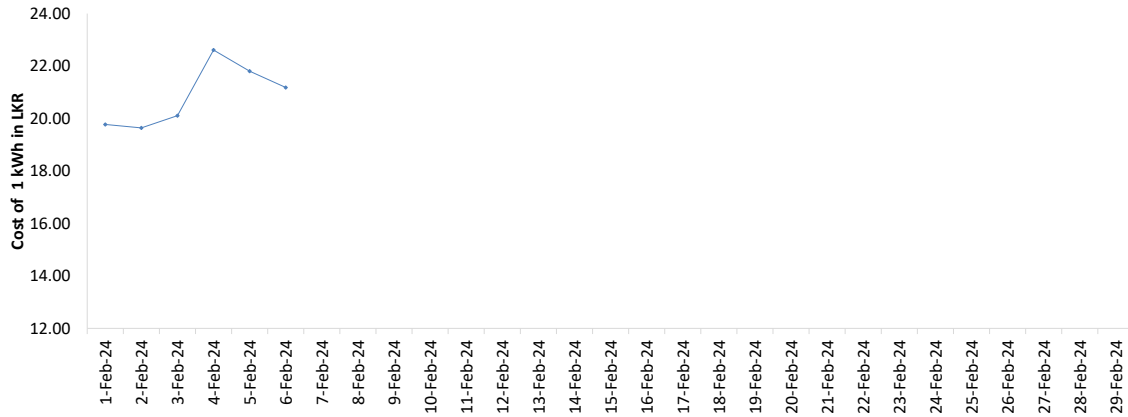
Generation Mix - February 2024

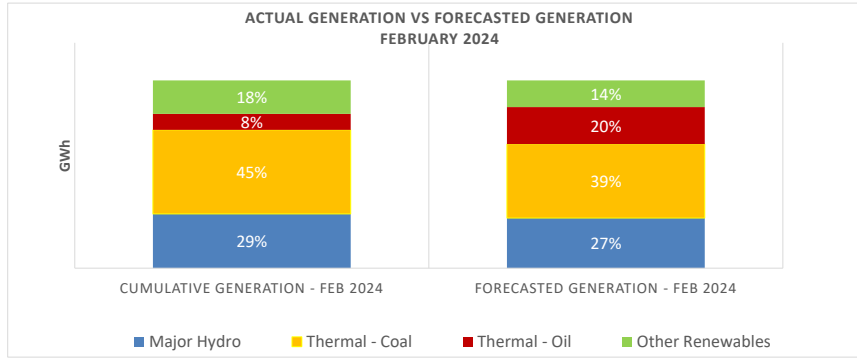


Cost of Generation - February 2024



Per Unit Cost of Generation - February 2024





	Cumulative Generation - Feb 2024 [GWh]	Forecasted Generation - Feb 2024 [GWh]
Major Hydro	73	322
Thermal - Coal	113	474
Thermal - Oil	21	237
Other Renewables	45	171
<b>Total</b>	<b>252</b>	<b>1204</b>

Forecasted Generation - SDDP January 2024

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

Major Hydro	382.13 Mn LKR
Thermal - Coal	2799.38 Mn LKR
Thermal - Furnace Oil	1107.46 Mn LKR
Thermal - Diesel	113.81 Mn LKR
Thermal - Naphtha	48.97 Mn LKR
Wind - CEB	38.05 Mn LKR
Wind - IPP	45.80 Mn LKR
Solar - IPP - Ground Mounted	83.31 Mn LKR
Solar - Roof Top	216.92 Mn LKR
Mini Hydro	313.50 Mn LKR
Municipal Solid Waste	96.35 Mn LKR
<b>Total Generation Cost (Feb)</b>	<b>5,245.66 Mn LKR</b>
<b>Average Unit Cost of Generation (Feb)</b>	<b>20.79 LKR/kWh</b>