



# Daily Electricity Generation & Cost Estimation Report

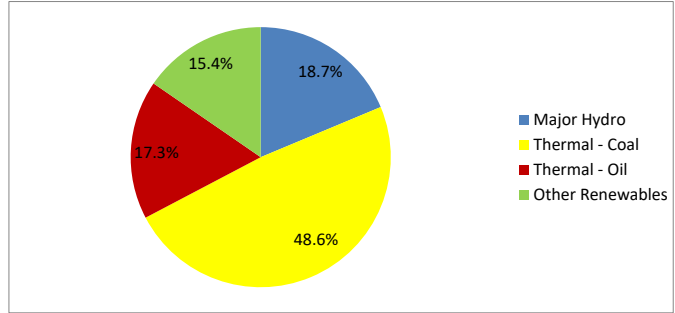
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25th February 2024



**Daily Generation Mix - 25th February 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	7.29	18.7%
Thermal - Coal	18.95	48.6%
Thermal - Furnace Oil	6.74	17.3%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.78	2.0%
Wind - IPP	0.68	1.7%
Solar - IPP - Ground Mounted	0.83	2.1%
Solar - Roof Top	1.47	3.8%
Mini Hydro	1.86	4.8%
Municipal Solid Waste	0.39	1.0%
<b>Total</b>	<b>38.98</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 : 25th 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	8.74	8.74
Thermal - Coal	389.6	8.7	70.6	469.0	20.56	0.46	3.73	24.75
Thermal - Furnace Oil	216.4	6.4	65.0	287.8	32.11	0.95	9.65	42.71
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	8.13	8.13
Wind - IPP	9.4	0.0	0.0	9.4	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	16.2	0.0	0.0	16.2	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	26.5	0.0	0.0	26.5	14.27	0.00	0.00	14.27
Municipal Solid Waste	13.8	0.0	0.0	13.8	35.02	0.00	0.00	35.02
<b>Total</b>	<b>708.0</b>	<b>18.3</b>	<b>229.6</b>	<b>956.0</b>	<b>18.16</b>	<b>0.47</b>	<b>5.89</b>	<b>24.52</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 :** **24.52** **LKR/kWh**  
**Total Generation Cost for the day:** **955.99** **Mn LKR**

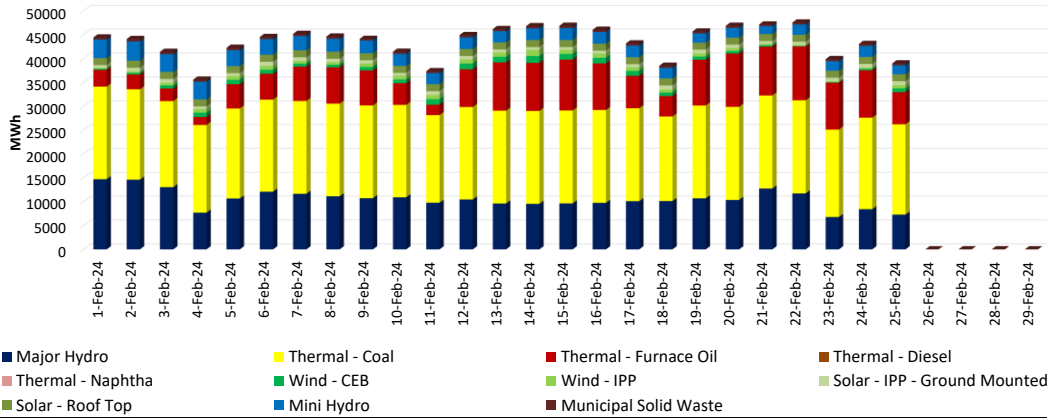
**Fuel Prices**

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

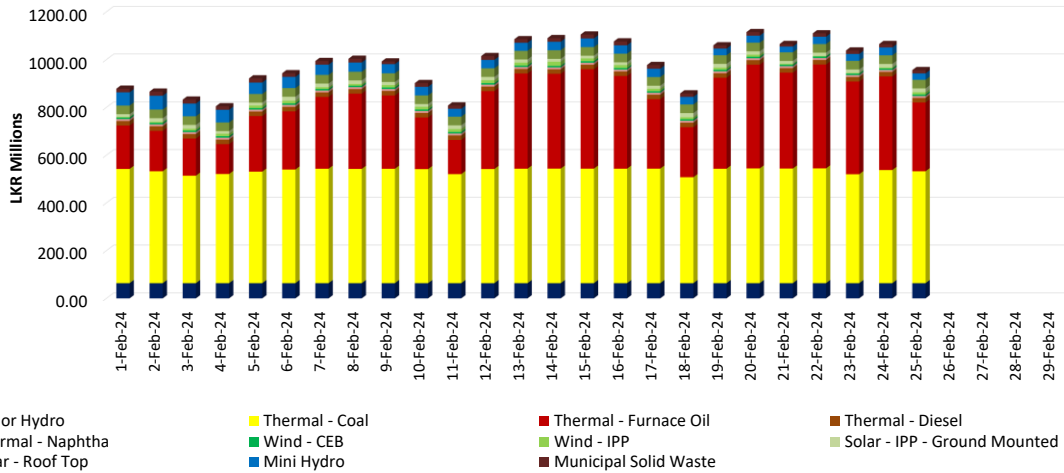
	Price (LKR/Liter or LKR/kg)
Furnace	140.00
Coal	50.09
*Naphtha	188.00
Auto Diesel	363.00

\*VAT exempted fuel price

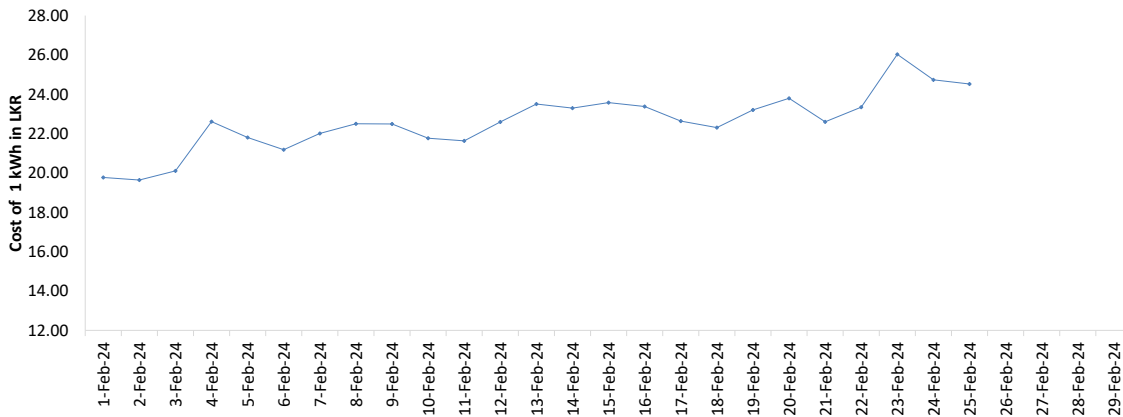
Generation Mix - February 2024

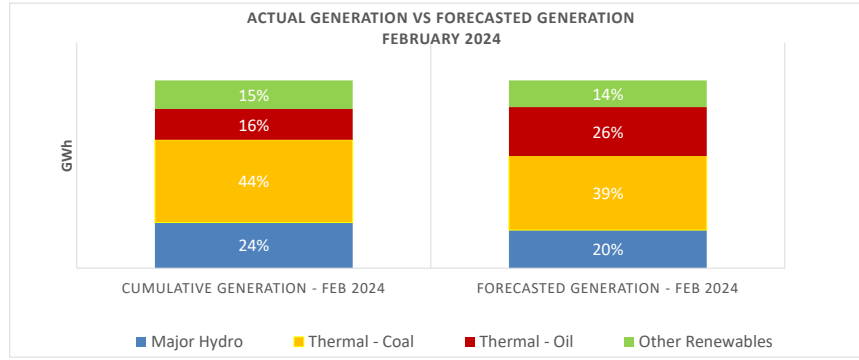


Cost of Generation - February 2024



Per Unit Cost of Generation - February 2024





	Cumulative Generation - Feb 2024 [GWh]	Forecasted Generation - Feb 2024 [GWh]
Major Hydro	264	244
Thermal - Coal	478	474
Thermal - Oil	178	315
Other Renewables	165	171
<b>Total</b>	<b>1086</b>	<b>1204</b>

Forecasted Generation - SDDP February 2024

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

Major Hydro	1592.19 Mn LKR
Thermal - Coal	11815.69 Mn LKR
Thermal - Furnace Oil	7532.34 Mn LKR
Thermal - Diesel	474.20 Mn LKR
Thermal - Naphtha	204.04 Mn LKR
Wind - CEB	158.53 Mn LKR
Wind - IPP	215.92 Mn LKR
Solar - IPP - Ground Mounted	348.59 Mn LKR
Solar - Roof Top	903.83 Mn LKR
Mini Hydro	942.84 Mn LKR
Municipal Solid Waste	372.47 Mn LKR
<b>Total Generation Cost (Feb)</b>	<b>24,560.63 Mn LKR</b>
<b>Average Unit Cost of Generation (Feb)</b>	<b>22.61 LKR/kWh</b>