



# Daily Electricity Generation & Cost Estimation Report

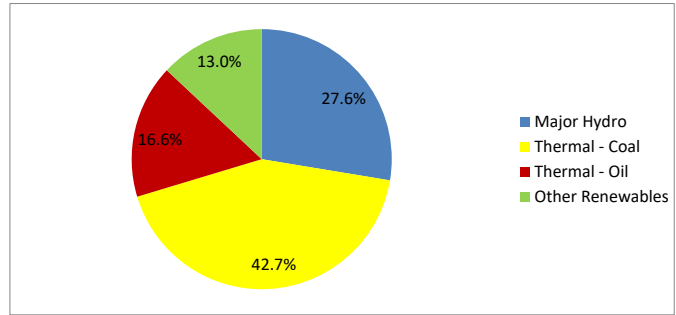
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18th April 2024



**Daily Generation Mix - 18th April 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.52	27.6%
Thermal - Coal	19.38	42.7%
Thermal - Furnace Oil	4.07	9.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.48	7.7%
Wind - CEB	0.39	0.9%
Wind - IPP	0.33	0.7%
Solar - IPP - Ground Mounted	0.83	1.8%
Solar - Roof Top	2.08	4.6%
Mini Hydro	1.85	4.1%
Municipal Solid Waste	0.42	0.9%
<b>Total</b>	<b>45.34</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 : 18th April 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	41.3	41.3	0.00	0.00	3.30	3.30
Thermal - Coal	407.1	28.4	37.9	473.4	21.01	1.46	1.96	24.43
Thermal - Furnace Oil	184.7	15.2	51.7	251.6	45.43	3.73	12.72	61.88
Thermal - Diesel	0.0	2.3	7.9	10.2	94.40	5860.05	19651.41	25605.85
Thermal - Naphtha	216.6	2.0	2.9	221.5	62.26	0.57	0.83	63.66
Wind - CEB	0.0	0.0	21.3	21.3	0.00	0.00	55.02	55.02
Wind - IPP	4.6	0.0	0.0	4.6	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	16.4	0.0	0.0	16.4	19.67	0.00	0.00	19.67
Solar - Roof Top	51.2	0.0	0.0	51.2	24.59	0.00	0.00	24.59
Mini Hydro	26.4	0.0	0.0	26.4	14.27	0.00	0.00	14.27
Municipal Solid Waste	14.7	0.0	0.0	14.7	35.02	0.00	0.00	35.02
<b>Total</b>	<b>921.6</b>	<b>47.9</b>	<b>163.1</b>	<b>1132.6</b>	<b>20.33</b>	<b>1.06</b>	<b>3.60</b>	<b>24.98</b>

Note -

Start/Stop costs has been excluded in the calculation

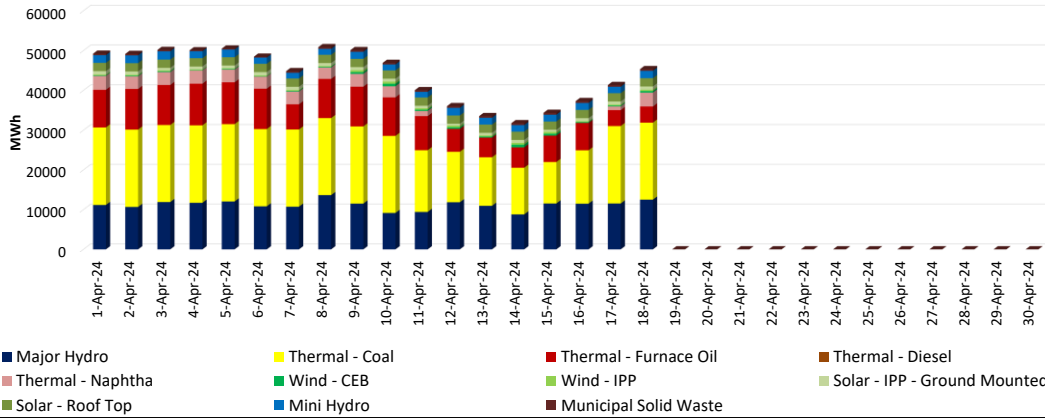
Unit Cost of Generation for the day : **24.98** LKR/kWh  
 Total Generation Cost for the day: **1132.58** Mn LKR

**Fuel Prices**

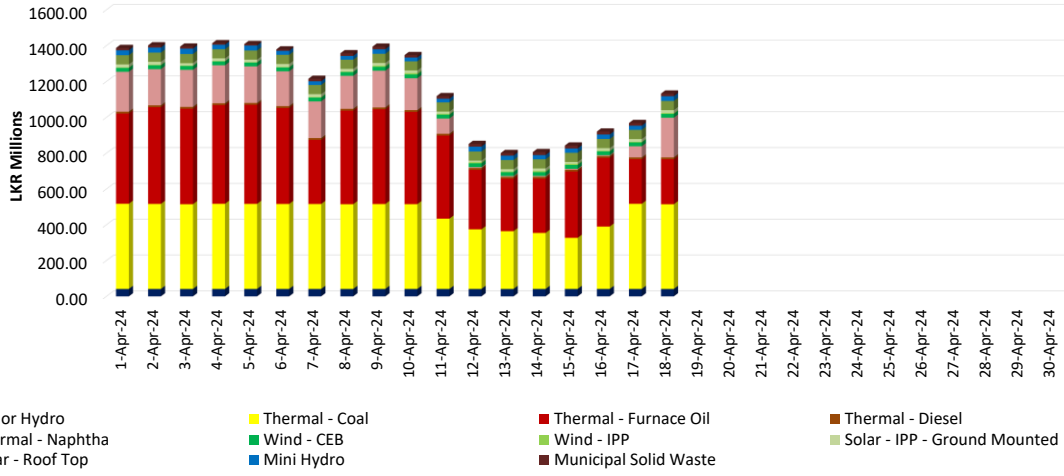
( as at 9th April 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	202.00
Coal	51.18
Naphtha	231.00
Auto Diesel	363.00

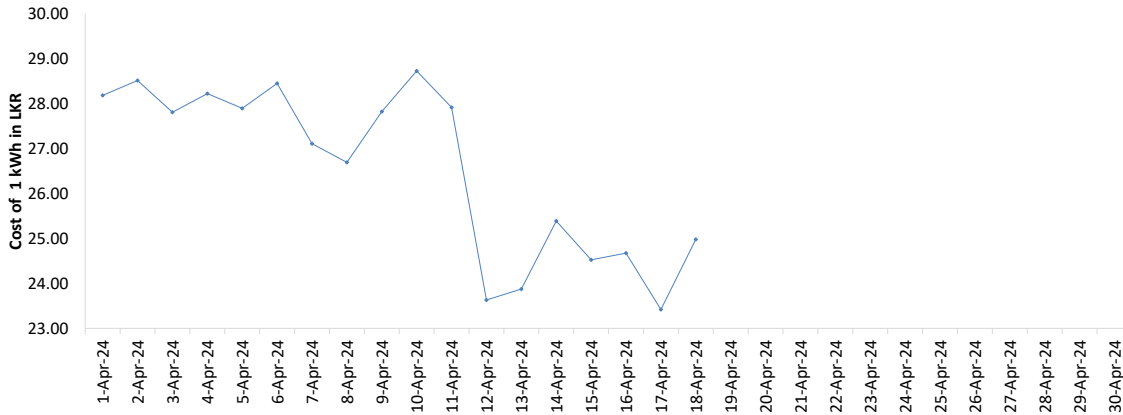
Generation Mix - April 2024

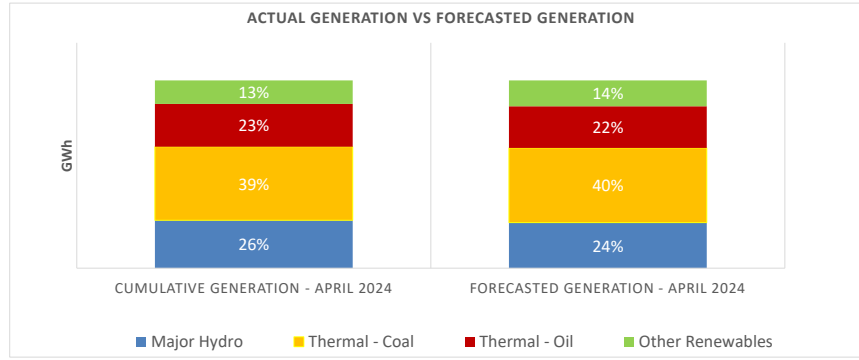


Cost of Generation - April 2024



Per Unit Cost of Generation - April 2024





	Cumulative Generation - April 2024 [GWh]	Forecasted Generation - April 2024 [GWh]
Major Hydro	202	310
Thermal - Coal	309	507
Thermal - Oil	180	284
Other Renewables	99	176
<b>Total</b>	<b>790</b>	<b>1276</b>

Forecasted Generation - SDDP March 2024

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

Major Hydro	744.00 Mn LKR
Thermal - Coal	7694.65 Mn LKR
Thermal - Furnace Oil	7791.29 Mn LKR
Thermal - Diesel	183.72 Mn LKR
Thermal - Naphtha	2404.89 Mn LKR
Wind - CEB	384.24 Mn LKR
Wind - IPP	72.41 Mn LKR
Solar - IPP - Ground Mounted	261.39 Mn LKR
Solar - Roof Top	920.80 Mn LKR
Mini Hydro	442.25 Mn LKR
Municipal Solid Waste	240.36 Mn LKR
<b>Total Generation Cost (Apr)</b>	<b>21,140.01 Mn LKR</b>

Generation Energy Cost (Apr)	17,342.72 Mn LKR
Generation Capacity Cost (Apr)	2,935.61 Mn LKR
Other Cost (Apr)	861.69 Mn LKR

Average Unit Cost of Generation (Apr) 26.76 LKR/kWh