



# Daily Electricity Generation & Cost Estimation Report

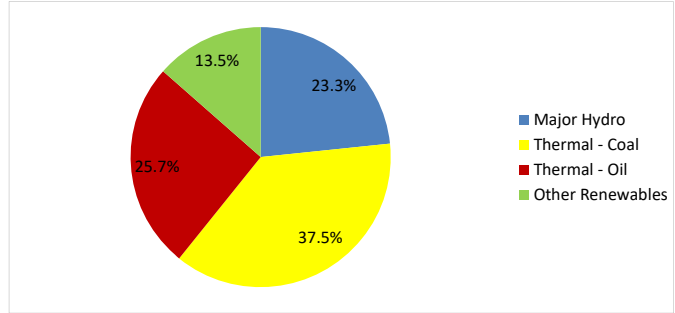
---

07th May 2024



**Daily Generation Mix - 07th May 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.10	23.3%
Thermal - Coal	19.41	37.5%
Thermal - Furnace Oil	3.78	7.3%
Thermal - Diesel	5.96	11.5%
Thermal - Naphtha	3.57	6.9%
Wind - CEB	1.08	2.1%
Wind - IPP	0.72	1.4%
Solar - IPP - Ground Mounted	0.78	1.5%
Solar - Roof Top	2.13	4.1%
Mini Hydro	1.90	3.7%
Municipal Solid Waste	0.40	0.8%
<b>Total</b>	<b>51.82</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 : 07th May 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	40.0	40.0	0.00	0.00	3.31	3.31
Thermal - Coal	400.9	27.5	36.7	465.0	20.65	1.41	1.89	23.96
Thermal - Furnace Oil	153.8	14.7	50.2	218.7	40.72	3.89	13.29	57.90
Thermal - Diesel	526.2	2.3	9.1	537.5	88.27	0.38	1.52	90.17
Thermal - Naphtha	215.6	1.9	2.8	220.4	60.42	0.54	0.79	61.75
Wind - CEB	0.0	0.0	20.7	20.7	0.00	0.00	19.18	19.18
Wind - IPP	9.9	0.0	0.0	9.9	13.75	0.00	0.00	13.75
Solar - IPP - Ground Mounted	15.4	0.0	0.0	15.4	19.67	0.00	0.00	19.67
Solar - Roof Top	52.4	0.0	0.0	52.4	24.59	0.00	0.00	24.59
Mini Hydro	27.1	0.0	0.0	27.1	14.27	0.00	0.00	14.27
Municipal Solid Waste	13.9	0.0	0.0	13.9	35.02	0.00	0.00	35.02
<b>Total</b>	<b>1415.3</b>	<b>46.3</b>	<b>159.5</b>	<b>1621.0</b>	<b>27.31</b>	<b>0.89</b>	<b>3.08</b>	<b>31.28</b>

Note -

Start/Stop costs has been excluded in the calculation

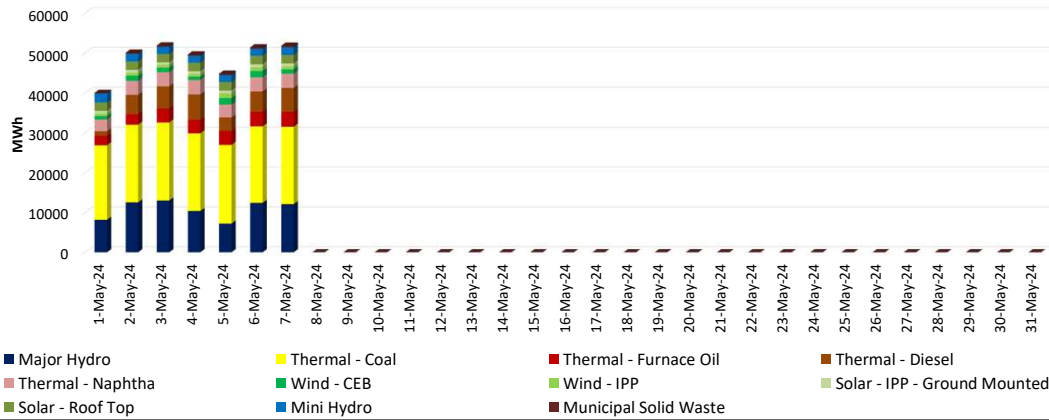
Unit Cost of Generation for the day : **31.28** LKR/kWh  
 Total Generation Cost for the day: **1621.04** Mn LKR

**Fuel Prices**

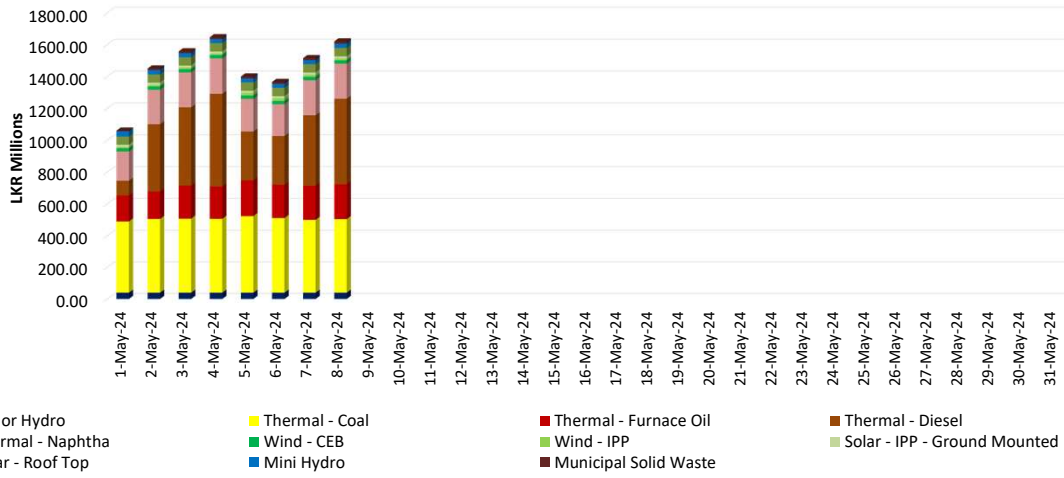
( as at 06th May 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	182.00
Coal	50.31
Naphtha	224.20
Auto Diesel	333.00

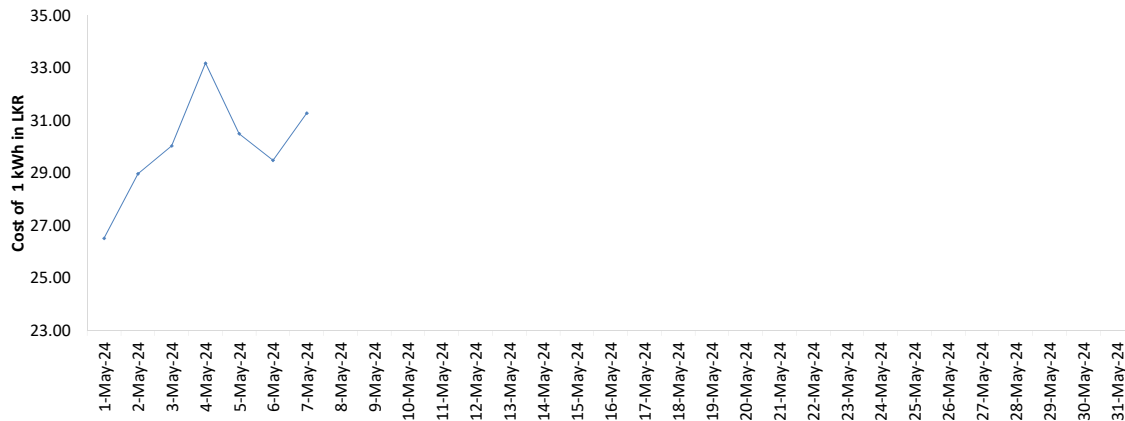
Generation Mix - May 2024

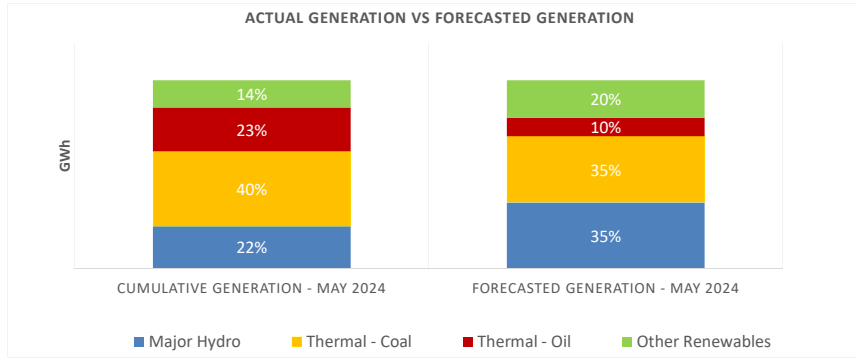


Cost of Generation - May 2024



Per Unit Cost of Generation - May 2024





	Cumulative Generation - May 2024 [GWh]	Forecasted Generation - May 2024 [GWh]
Major Hydro	76	482
Thermal - Coal	136	486
Thermal - Oil	79	136
Other Renewables	49	274
<b>Total</b>	<b>340</b>	<b>1378</b>

Forecasted Generation - SDDP Jan 2024

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

Major Hydro	320.00 Mn LKR
Thermal - Coal	3731.93 Mn LKR
Thermal - Furnace Oil	1614.27 Mn LKR
Thermal - Diesel	3180.55 Mn LKR
Thermal - Naphtha	1687.11 Mn LKR
Wind - CEB	165.27 Mn LKR
Wind - IPP	90.38 Mn LKR
Solar - IPP - Ground Mounted	115.17 Mn LKR
Solar - Roof Top	416.62 Mn LKR
Mini Hydro	212.80 Mn LKR
Municipal Solid Waste	86.79 Mn LKR
<b>Total Generation Cost (May)</b>	<b>11,620.88 Mn LKR</b>

Generation Energy Cost (May)	8,779.96 Mn LKR
Generation Capacity Cost (May)	1,116.18 Mn LKR
Other Cost (May)	324.29 Mn LKR

Average Unit Cost of Generation (May) 34.22 LKR/kWh