



# Daily Electricity Generation & Cost Estimation Report

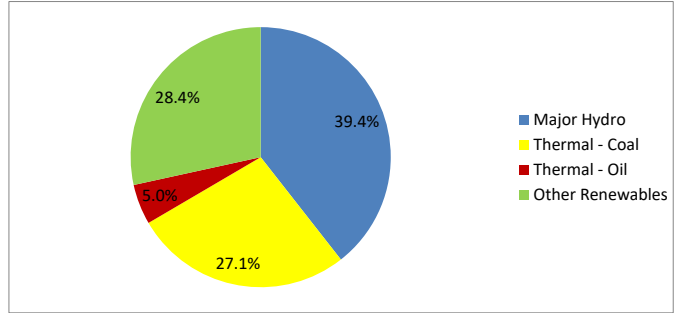
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27th May 2024



**Daily Generation Mix - 27th May 2024**

Plant Type	Generation (GWh)	Percentage
<b>Major Hydro</b>	17.66	39.4%
<b>Thermal - Coal</b>	12.16	27.1%
<b>Thermal - Furnace Oil</b>	1.98	4.4%
<b>Thermal - Diesel</b>	0.00	0.0%
<b>Thermal - Naphtha</b>	0.26	0.6%
<b>Wind - CEB</b>	2.29	5.1%
<b>Wind - IPP</b>	2.45	5.5%
<b>Solar - IPP - Ground Mounted</b>	0.52	1.1%
<b>Solar - Roof Top</b>	2.13	4.8%
<b>Mini Hydro</b>	5.02	11.2%
<b>Municipal Solid Waste</b>	0.34	0.8%
<b>Total</b>	<b>44.79</b>	



Note – Estimated generation from roof top solar, non-telemetered solar and mini hydro plants has been included in the above figures  
Sobadhanvi plant is currently in the testing stage

**Estimated Generation Cost : 27th 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)
<b>Major Hydro</b>	0.0	0.0	40.0	40.0	0.00	0.00	2.27	2.27
<b>Thermal - Coal</b>	251.1	27.5	36.7	315.2	20.65	2.26	3.02	25.93
<b>Thermal - Furnace Oil</b>	45.3	14.7	50.2	110.2	22.89	7.43	25.39	55.71
<b>Thermal - Diesel</b>	0.0	2.3	9.1	11.3	0.00	0.00	0.00	0.00
<b>Thermal - Naphtha</b>	14.0	1.9	2.8	18.7	53.25	7.30	10.65	71.21
<b>Wind - CEB</b>	0.0	0.0	20.7	20.7	0.00	0.00	9.04	9.04
<b>Wind - IPP</b>	34.5	0.0	0.0	34.5	14.05	0.00	0.00	14.05
<b>Solar - IPP - Ground Mounted</b>	10.1	0.0	0.0	10.1	19.56	0.00	0.00	19.56
<b>Solar - Roof Top</b>	53.1	0.0	0.0	53.1	24.92	0.00	0.00	24.92
<b>Mini Hydro</b>	70.8	0.0	0.0	70.8	14.12	0.00	0.00	14.12
<b>Municipal Solid Waste</b>	10.4	0.0	0.0	10.4	30.76	0.00	0.00	30.76
<b>Total</b>	<b>489.2</b>	<b>46.3</b>	<b>159.5</b>	<b>694.9</b>	<b>10.92</b>	<b>1.03</b>	<b>3.56</b>	<b>15.51</b>

Note -  
Start/Stop costs has been excluded in the calculation

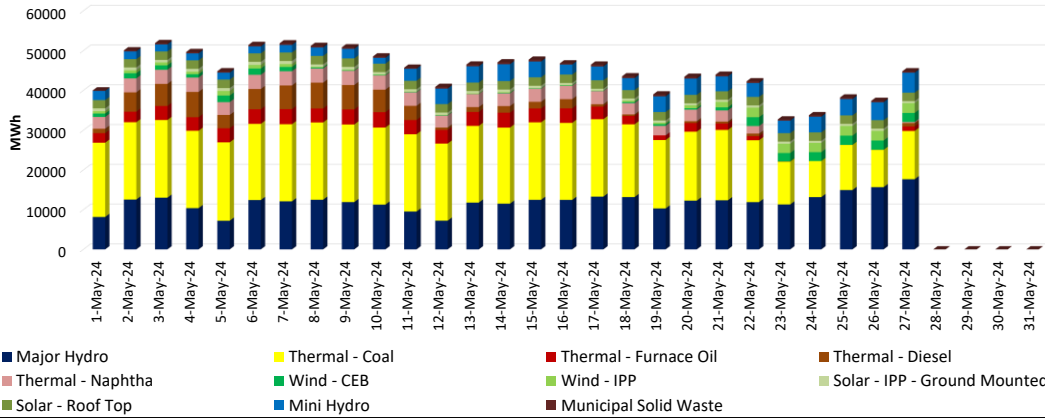
**Unit Cost of Generation for the day : 15.51 LKR/kWh**  
**Total Generation Cost for the day: 694.94 Mn LKR**

**Fuel Prices**

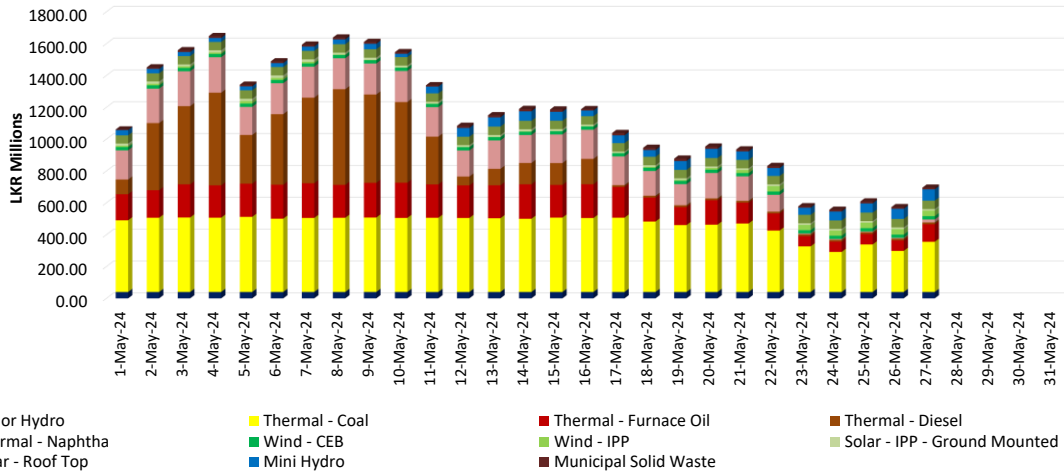
(as at 15th May 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	181.00
Coal	50.31
Naphtha	197.60
Auto Diesel	333.00

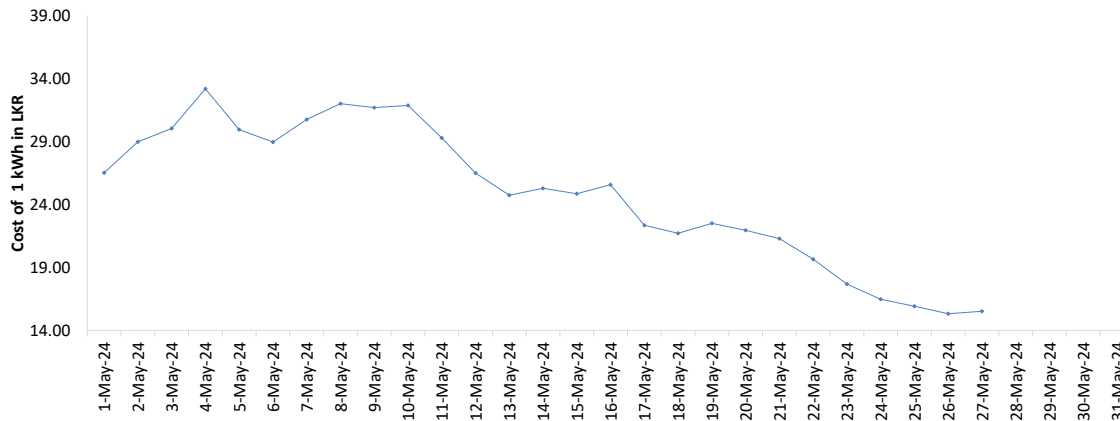
Generation Mix - May 2024

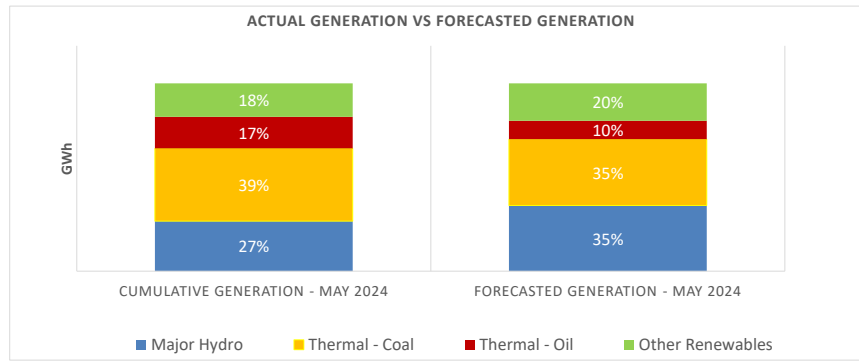


Cost of Generation - May 2024



Per Unit Cost of Generation - May 2024





	Cumulative Generation - May 2024 [GWh]	Forecasted Generation - May 2024 [GWh]
Major Hydro	322	482
Thermal - Coal	469	486
Thermal - Oil	204	136
Other Renewables	216	274
<b>Total</b>	<b>1210</b>	<b>1378</b>

Forecasted Generation - SDDP Jan 2024

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

Major Hydro	1079.99 Mn LKR
Thermal - Coal	11409.97 Mn LKR
Thermal - Furnace Oil	4506.17 Mn LKR
Thermal - Diesel	5552.26 Mn LKR
Thermal - Naphtha	3983.51 Mn LKR
Wind - CEB	557.77 Mn LKR
Wind - IPP	332.62 Mn LKR
Solar - IPP - Ground Mounted	322.44 Mn LKR
Solar - Roof Top	1427.80 Mn LKR
Mini Hydro	1177.03 Mn LKR
Municipal Solid Waste	311.32 Mn LKR
<b>Total Generation Cost (May)</b>	<b>30,660.88 Mn LKR</b>

Generation Energy Cost (May)	25,104.79 Mn LKR
Generation Capacity Cost (May)	4,305.26 Mn LKR
Other Cost (May)	1,250.83 Mn LKR

Average Unit Cost of Generation (May) 25.33 LKR/kWh