



# Daily Electricity Generation & Cost Estimation Report

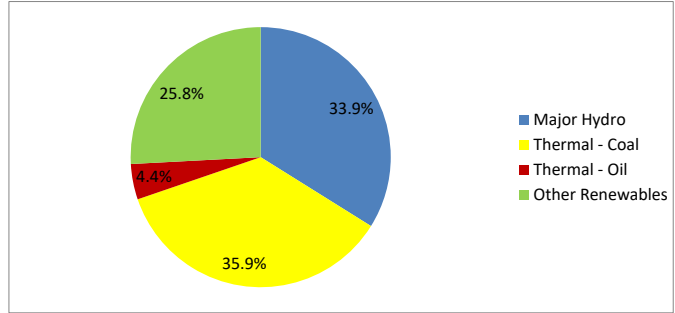
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11th June 2024



**Daily Generation Mix - 11th June 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.24	33.9%
Thermal - Coal	17.19	35.9%
Thermal - Furnace Oil	0.38	0.8%
Thermal - Diesel	1.73	3.6%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.27	4.7%
Wind - IPP	2.36	4.9%
Solar - IPP - Ground Mounted	0.76	1.6%
Solar - Roof Top	2.32	4.8%
Mini Hydro	4.38	9.1%
Municipal Solid Waste	0.30	0.6%
<b>Total</b>	<b>47.93</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 : 11th June 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	2.54	2.54
Thermal - Coal	335.0	28.4	37.9	401.3	19.49	1.65	2.21	23.35
Thermal - Furnace Oil	15.2	17.2	11.4	43.8	39.79	44.81	29.82	114.42
Thermal - Diesel	0.0	3.0	7.9	10.9	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	2.0	2.9	4.9	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	21.3	21.3	0.00	0.00	9.42	9.42
Wind - IPP	33.2	0.0	0.0	33.2	14.05	0.00	0.00	14.05
Solar - IPP - Ground Mounted	14.8	0.0	0.0	14.8	19.56	0.00	0.00	19.56
Solar - Roof Top	57.8	0.0	0.0	57.8	24.92	0.00	0.00	24.92
Mini Hydro	61.8	0.0	0.0	61.8	14.12	0.00	0.00	14.12
Municipal Solid Waste	9.3	0.0	0.0	9.3	30.76	0.00	0.00	30.76
<b>Total</b>	<b>527.1</b>	<b>50.5</b>	<b>122.8</b>	<b>700.4</b>	<b>11.41</b>	<b>1.09</b>	<b>2.66</b>	<b>15.16</b>

Note -

Start/Stop costs has been excluded in the calculation

Sobadhanvi plant is currently in the testing stage; hence, generation cost has not been considered.

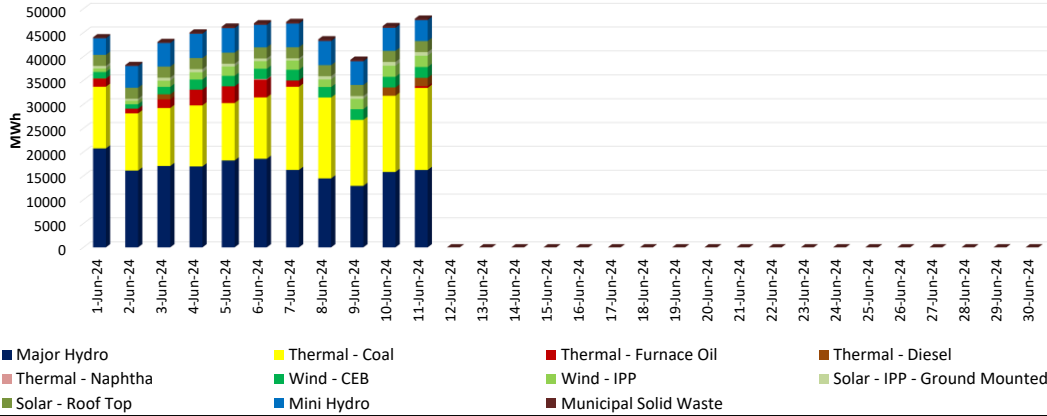
Unit Cost of Generation for the day : **15.16** LKR/kWh  
 Total Generation Cost for the day: **700.44** Mn LKR

**Fuel Prices**

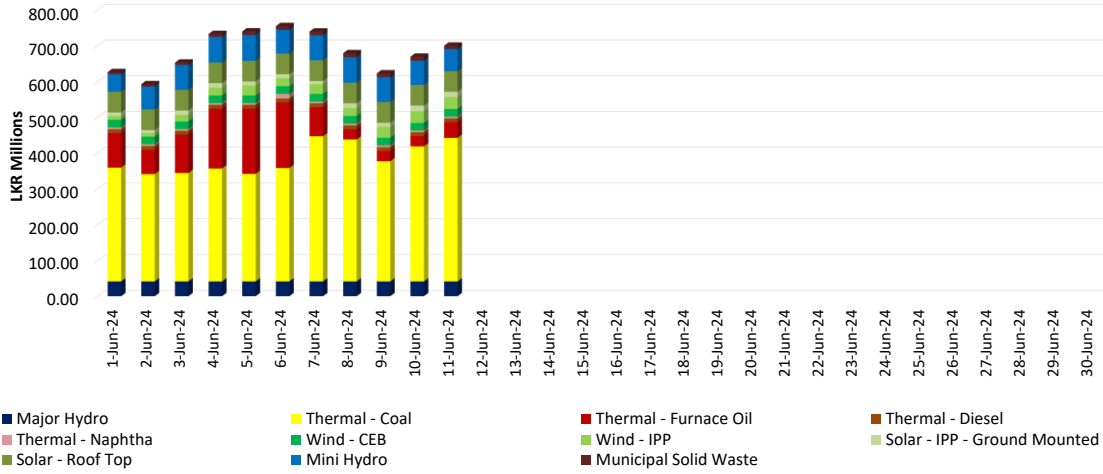
(as at 15th May 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	181.00
Coal	47.47
Naphtha	197.60
Auto Diesel	317.00

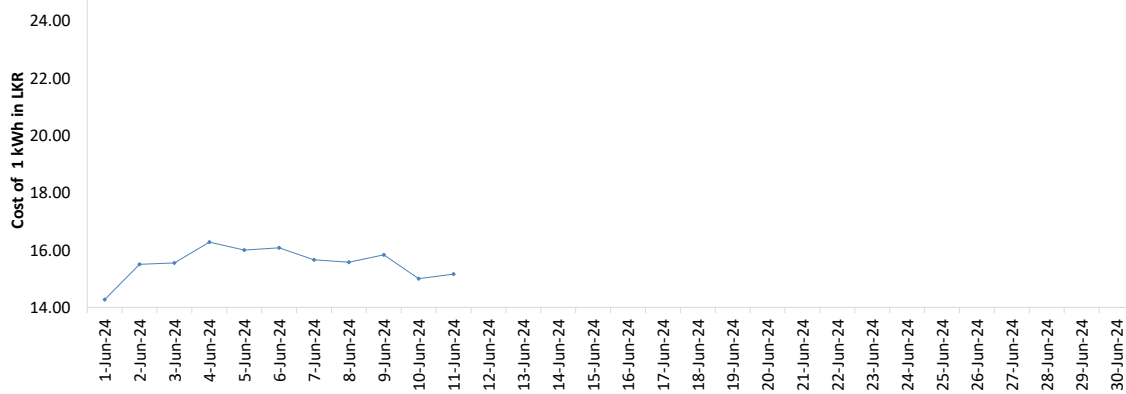
Generation Mix - June 2024

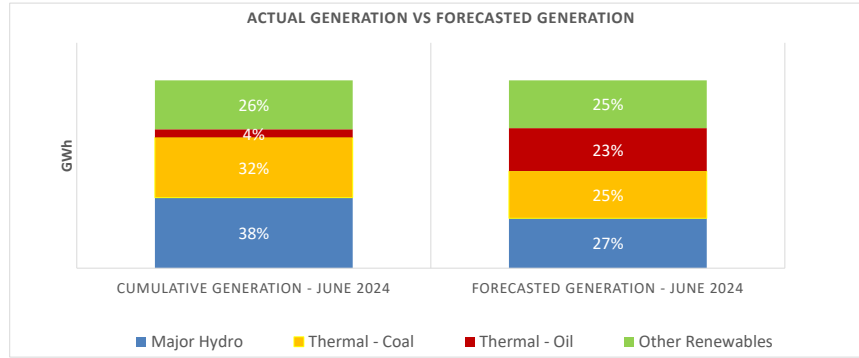


Cost of Generation - June 2024



Per Unit Cost of Generation - June 2024





	Cumulative Generation - June 2024 [GWh]	Forecasted Generation - June 2024 [GWh]
Major Hydro	183	359
Thermal - Coal	156	338
Thermal - Oil	21	309
Other Renewables	127	343
<b>Total</b>	<b>488</b>	<b>1349</b>

Forecasted Generation - SDDP Jan 2024

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

Major Hydro	454.66 Mn LKR
Thermal - Coal	3772.18 Mn LKR
Thermal - Furnace Oil	1015.21 Mn LKR
Thermal - Diesel	119.76 Mn LKR
Thermal - Naphtha	61.87 Mn LKR
Wind - CEB	234.81 Mn LKR
Wind - IPP	255.53 Mn LKR
Solar - IPP - Ground Mounted	130.81 Mn LKR
Solar - Roof Top	635.90 Mn LKR
Mini Hydro	734.40 Mn LKR
Municipal Solid Waste	98.01 Mn LKR
<b>Total Generation Cost</b>	<b>7,513.14 Mn LKR</b>

Generation Energy Cost (June)	5,606.50 Mn LKR
Generation Capacity Cost (June)	1,350.73 Mn LKR
Other Cost (June)	555.91 Mn LKR

Average Unit Cost of Generation (June) 15.39 LKR/kWh