



# Daily Electricity Generation & Cost Estimation Report

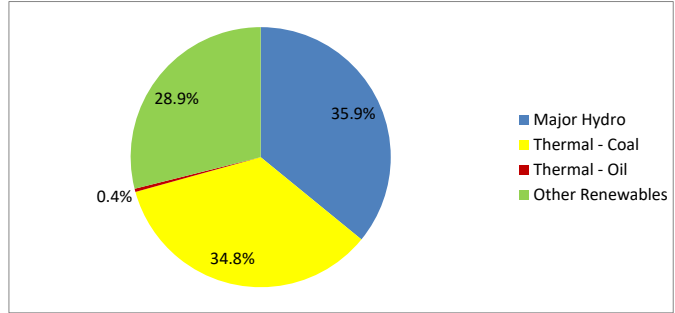
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30th June 2024



**Daily Generation Mix - 30th June 2024**

Plant Type	Generation (GWh)	Percentage
<b>Major Hydro</b>	14.44	35.9%
<b>Thermal - Coal</b>	13.99	34.8%
<b>Thermal - Furnace Oil</b>	0.16	0.4%
<b>Thermal - Diesel</b>	0.00	0.0%
<b>Thermal - Naphtha</b>	0.00	0.0%
<b>Wind - CEB</b>	2.22	5.5%
<b>Wind - IPP</b>	2.01	5.0%
<b>Solar - IPP - Ground Mounted</b>	0.71	1.8%
<b>Solar - Roof Top</b>	2.32	5.8%
<b>Mini Hydro</b>	4.00	10.0%
<b>Municipal Solid Waste</b>	0.36	0.9%
<b>Total</b>	<b>40.21</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 : 30th 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)
<b>Major Hydro</b>	0.0	0.0	40.0	40.0	0.00	0.00	2.77	2.77
<b>Thermal - Coal</b>	272.7	27.5	36.7	336.8	19.49	1.96	2.62	24.07
<b>Thermal - Furnace Oil</b>	6.5	16.6	11.1	34.1	40.28	103.16	68.65	212.09
<b>Thermal - Diesel</b>	0.0	2.9	7.6	10.5	0.00	0.00	0.00	0.00
<b>Thermal - Naphtha</b>	0.0	1.9	2.8	4.7	0.00	0.00	0.00	0.00
<b>Wind - CEB</b>	0.0	0.0	20.7	20.7	0.00	0.00	9.31	9.31
<b>Wind - IPP</b>	28.2	0.0	0.0	28.2	14.05	0.00	0.00	14.05
<b>Solar - IPP - Ground Mounted</b>	14.0	0.0	0.0	14.0	19.56	0.00	0.00	19.56
<b>Solar - Roof Top</b>	57.8	0.0	0.0	57.8	24.92	0.00	0.00	24.92
<b>Mini Hydro</b>	56.5	0.0	0.0	56.5	14.12	0.00	0.00	14.12
<b>Municipal Solid Waste</b>	11.1	0.0	0.0	11.1	30.76	0.00	0.00	30.76
<b>Total</b>	<b>446.8</b>	<b>48.9</b>	<b>118.8</b>	<b>614.5</b>	<b>11.11</b>	<b>1.22</b>	<b>2.95</b>	<b>15.28</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.

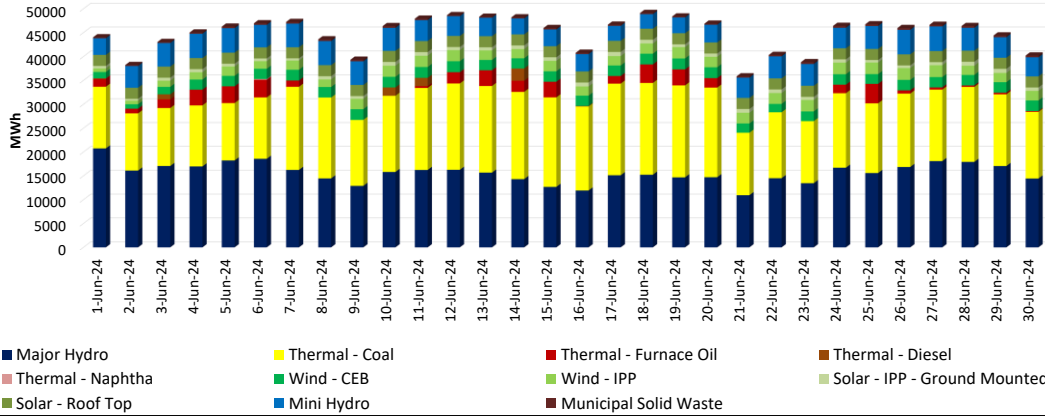
**Unit Cost of Generation for the day : 15.28 LKR/kWh**  
**Total Generation Cost for the day: 614.54 Mn LKR**

**Fuel Prices**

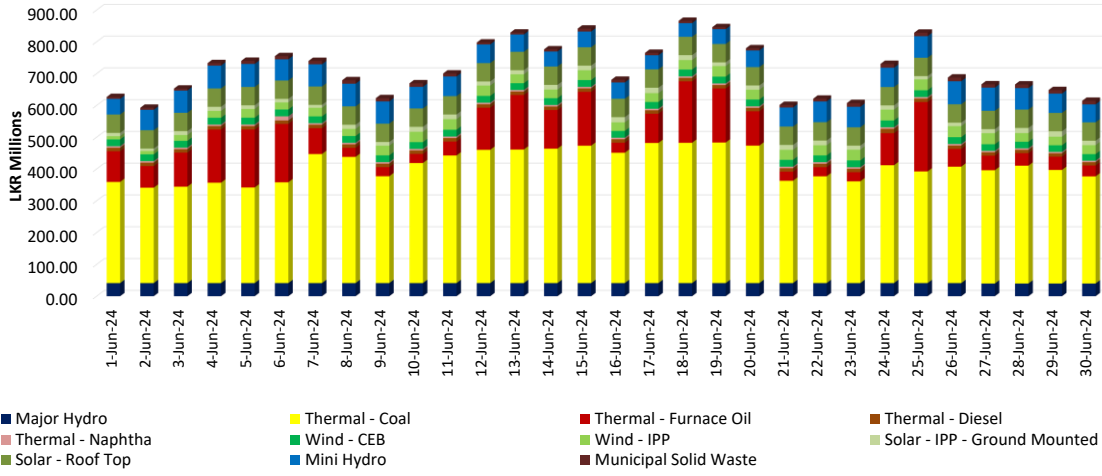
(as at 1st June 2024)

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

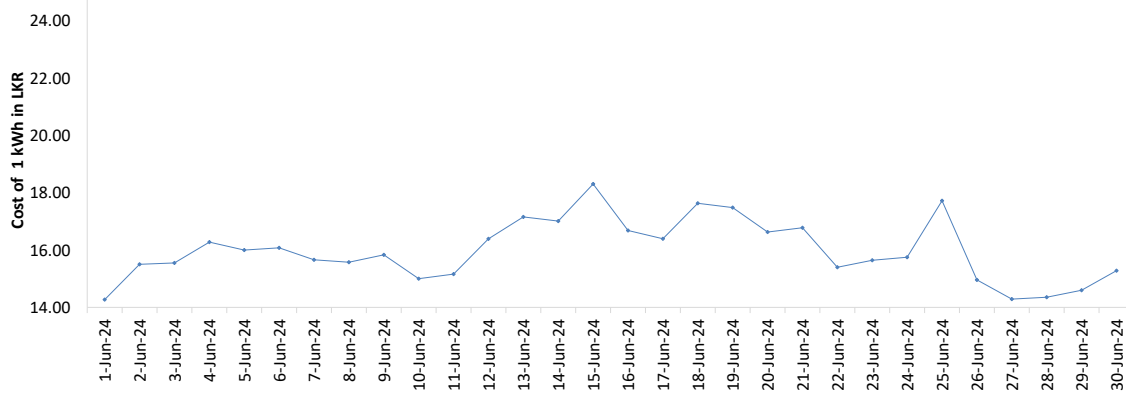
Generation Mix - June 2024

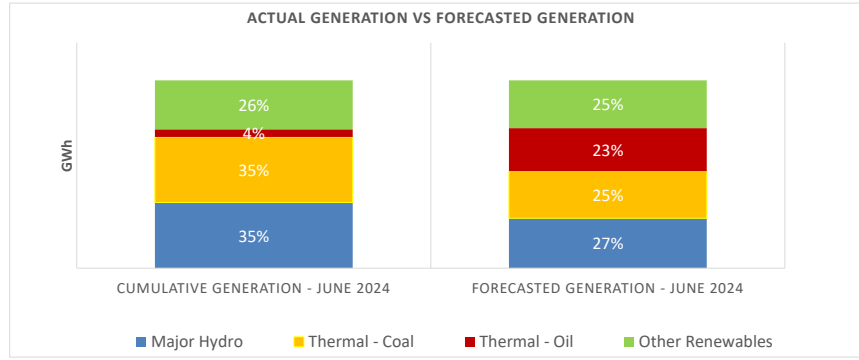


Cost of Generation - June 2024



Per Unit Cost of Generation - June 2024





	Cumulative Generation - June 2024 [GWh]	Forecasted Generation - June 2024 [GWh]
Major Hydro	470	359
Thermal - Coal	469	338
Thermal - Oil	54	309
Other Renewables	350	343
<b>Total</b>	<b>1343</b>	<b>1349</b>

Forecasted Generation - SDDP Jan 2024

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

Major Hydro	1234.66 Mn LKR
Thermal - Coal	11118.32 Mn LKR
Thermal - Furnace Oil	2826.27 Mn LKR
Thermal - Diesel	328.09 Mn LKR
Thermal - Naphtha	153.93 Mn LKR
Wind - CEB	637.65 Mn LKR
Wind - IPP	839.88 Mn LKR
Solar - IPP - Ground Mounted	398.48 Mn LKR
Solar - Roof Top	1734.27 Mn LKR
Mini Hydro	1828.86 Mn LKR
Municipal Solid Waste	270.07 Mn LKR
<b>Total Generation Cost</b>	<b>21,370.49 Mn LKR</b>

Generation Energy Cost (June)	16,192.94 Mn LKR
Generation Capacity Cost (June)	3,667.96 Mn LKR
Other Cost (June)	1,509.59 Mn LKR

Average Unit Cost of Generation (June) 15.91 LKR/kWh