



# Daily Electricity Generation & Cost Estimation Report

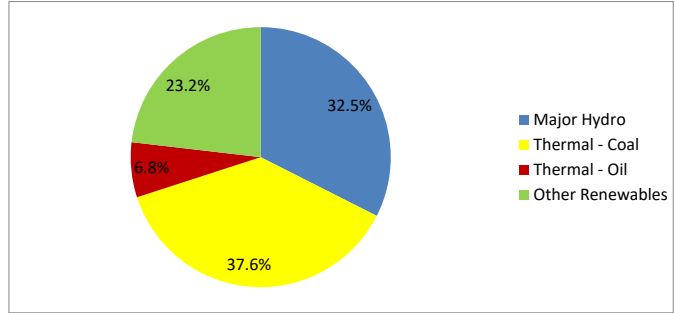
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13th June 2024



**Daily Generation Mix - 13th June 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.69	32.5%
Thermal - Coal	18.15	37.6%
Thermal - Furnace Oil	3.30	6.8%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.16	4.5%
Wind - IPP	1.99	4.1%
Solar - IPP - Ground Mounted	0.67	1.4%
Solar - Roof Top	2.32	4.8%
Mini Hydro	3.87	8.0%
Municipal Solid Waste	0.19	0.4%
<b>Total</b>	<b>48.33</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 : 13th 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	2.64	2.64
Thermal - Coal	353.7	28.4	37.9	420.0	19.49	1.56	2.09	23.14
Thermal - Furnace Oil	143.0	17.2	11.4	171.5	43.32	5.20	3.46	51.98
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	9.90	9.90
Wind - IPP	27.9	0.0	0.0	27.9	14.05	0.00	0.00	14.05
Solar - IPP - Ground Mounted	13.1	0.0	0.0	13.1	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	54.6	0.0	0.0	54.6	14.12	0.00	0.00	14.12
Municipal Solid Waste	5.9	0.0	0.0	5.9	30.76	0.00	0.00	30.76
<b>Total</b>	<b>656.0</b>	<b>50.5</b>	<b>122.8</b>	<b>829.3</b>	<b>13.57</b>	<b>1.05</b>	<b>2.54</b>	<b>17.16</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.

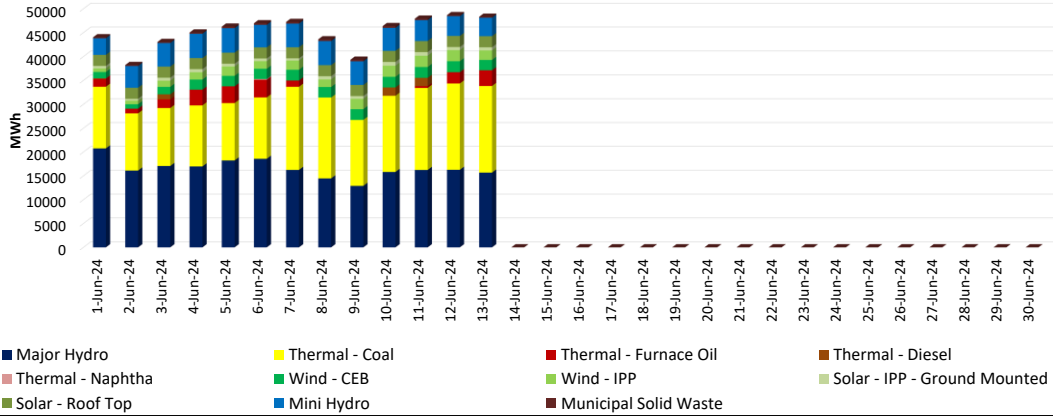
Unit Cost of Generation for the day : **17.16** LKR/kWh  
 Total Generation Cost for the day: **829.31** Mn LKR

**Fuel Prices**

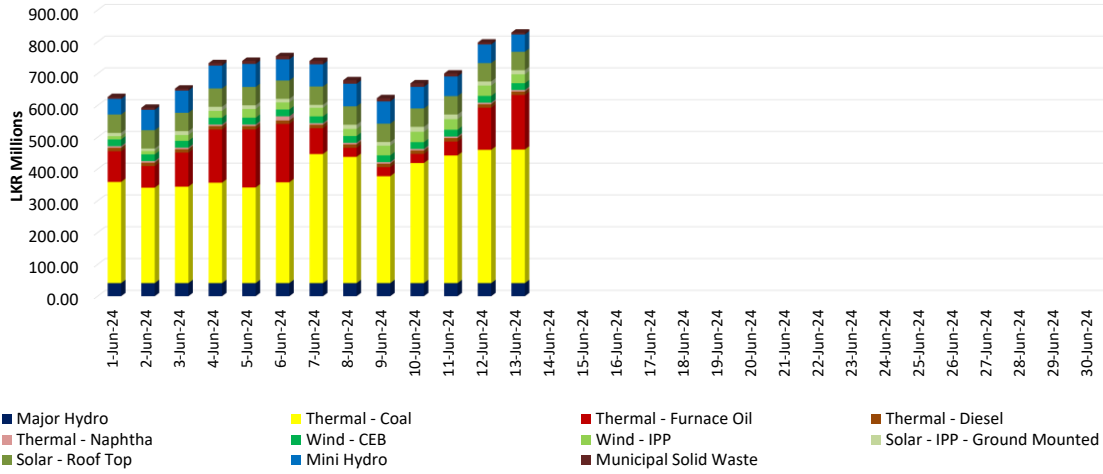
(as at 1st June 2024)

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

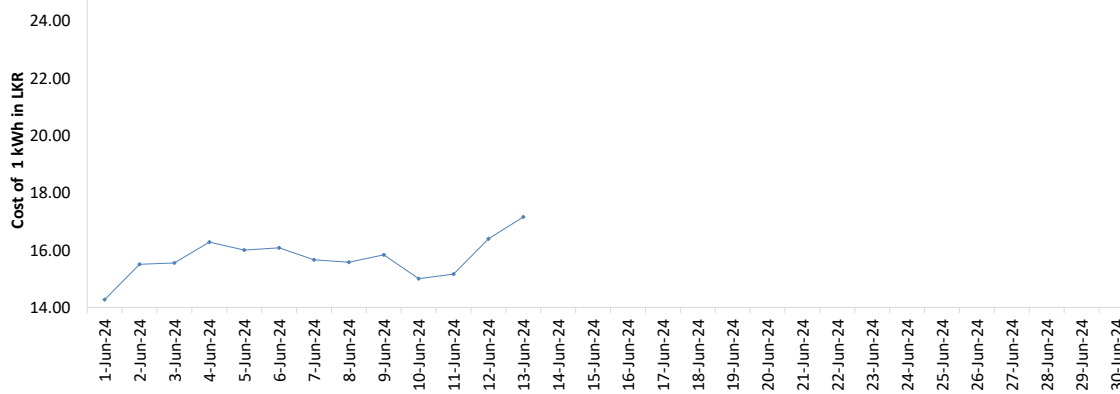
Generation Mix - June 2024

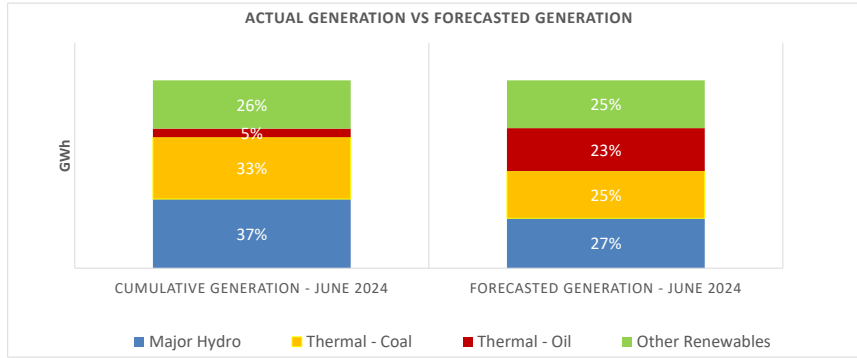


Cost of Generation - June 2024



Per Unit Cost of Generation - June 2024





	Cumulative Generation - June 2024 [GWh]	Forecasted Generation - June 2024 [GWh]
Major Hydro	215	359
Thermal - Coal	192	338
Thermal - Oil	27	309
Other Renewables	150	343
<b>Total</b>	<b>585</b>	<b>1349</b>

Forecasted Generation - SDDP Jan 2024

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

Major Hydro	537.33 Mn LKR
Thermal - Coal	4611.24 Mn LKR
Thermal - Furnace Oil	1319.24 Mn LKR
Thermal - Diesel	141.53 Mn LKR
Thermal - Naphtha	71.62 Mn LKR
Wind - CEB	277.51 Mn LKR
Wind - IPP	316.02 Mn LKR
Solar - IPP - Ground Mounted	156.85 Mn LKR
Solar - Roof Top	751.52 Mn LKR
Mini Hydro	847.54 Mn LKR
Municipal Solid Waste	110.01 Mn LKR
<b>Total Generation Cost</b>	<b>9,140.41 Mn LKR</b>

Generation Energy Cost (June)	6,887.11 Mn LKR
Generation Capacity Cost (June)	1,596.31 Mn LKR
Other Cost (June)	656.98 Mn LKR

Average Unit Cost of Generation (June) 15.62 LKR/kWh