



# Daily Electricity Generation & Cost Estimation Report

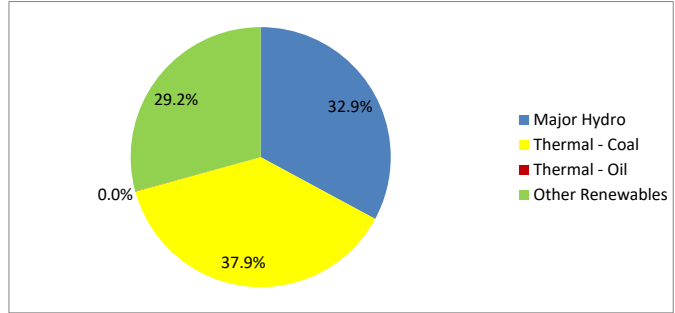
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14th July 2024



**Daily Generation Mix - 14th July 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.66	32.9%
Thermal - Coal	14.58	37.9%
Thermal - Furnace Oil	0.01	0.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.54	4.0%
Wind - IPP	1.97	5.1%
Solar - IPP - Ground Mounted	0.69	1.8%
Solar - Roof Top	2.17	5.6%
Mini Hydro	4.65	12.1%
Municipal Solid Waste	0.23	0.6%
<b>Total</b>	<b>38.51</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 : 14th July 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	3.16	3.16
Thermal - Coal	284.2	27.5	36.7	348.3	19.49	1.88	2.52	23.89
Thermal - Furnace Oil	0.6	16.6	11.1	28.2	40.28	1186.31	789.42	2016.02
Thermal - Diesel	0.0	2.9	7.6	10.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.9	2.8	4.7	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	20.7	20.7	0.00	0.00	13.44	13.44
Wind - IPP	27.7	0.0	0.0	27.7	14.05	0.00	0.00	14.05
Solar - IPP - Ground Mounted	13.6	0.0	0.0	13.6	19.56	0.00	0.00	19.56
Solar - Roof Top	54.1	0.0	0.0	54.1	24.92	0.00	0.00	24.92
Mini Hydro	65.7	0.0	0.0	65.7	14.12	0.00	0.00	14.12
Municipal Solid Waste	7.0	0.0	0.0	7.0	30.76	0.00	0.00	30.76
<b>Total</b>	<b>452.8</b>	<b>48.9</b>	<b>118.8</b>	<b>620.5</b>	<b>11.76</b>	<b>1.27</b>	<b>3.09</b>	<b>16.11</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.

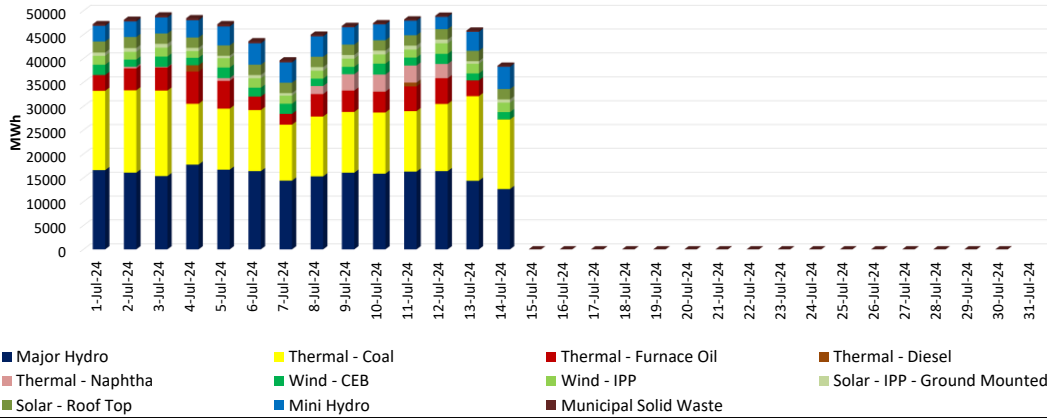
Unit Cost of Generation for the day : **16.11** LKR/kWh  
 Total Generation Cost for the day: **620.50** Mn LKR

**Fuel Prices**

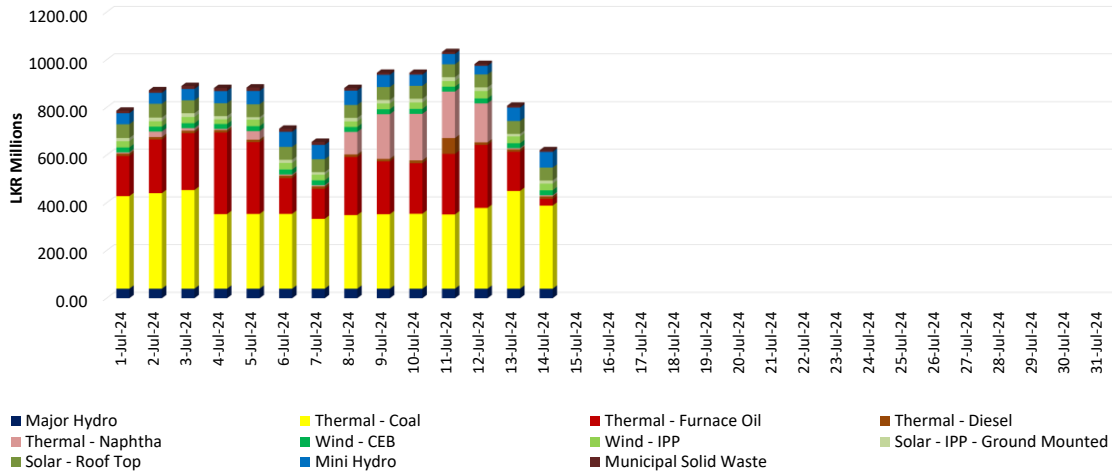
(as at 1st June 2024)

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

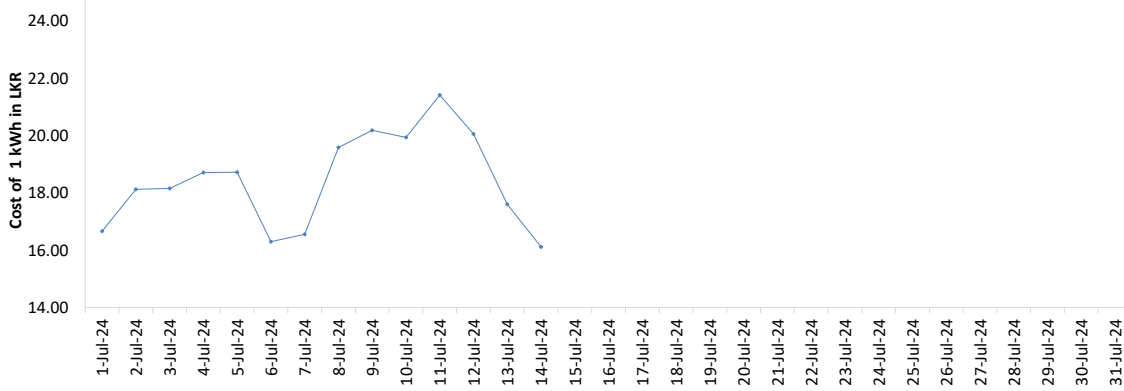
Generation Mix - Jul 2024

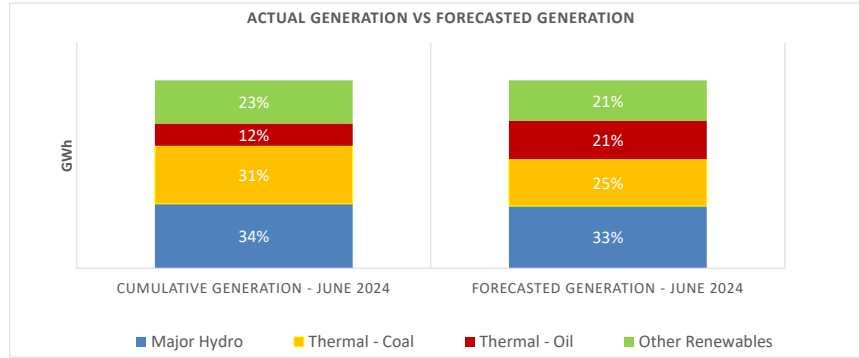


Cost of Generation - Jul 2024



Per Unit Cost of Generation - Jul 2024





	Cumulative Generation - Jul 2024 [GWh]	Forecasted Generation - Jul 2024 [GWh]
Major Hydro	221	463
Thermal - Coal	199	350
Thermal - Oil	76	288
Other Renewables	148	300
<b>Total</b>	<b>644</b>	<b>1401</b>

Forecasted Generation - SDDP Jan 2024

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

Major Hydro	560.00 Mn LKR
Thermal - Coal	4777.96 Mn LKR
Thermal - Furnace Oil	2937.69 Mn LKR
Thermal - Diesel	205.14 Mn LKR
Thermal - Naphtha	933.28 Mn LKR
Wind - CEB	289.21 Mn LKR
Wind - IPP	357.68 Mn LKR
Solar - IPP - Ground Mounted	195.37 Mn LKR
Solar - Roof Top	764.47 Mn LKR
Mini Hydro	728.57 Mn LKR
Municipal Solid Waste	145.08 Mn LKR
<b>Total Generation Cost</b>	<b>11,894.46 Mn LKR</b>

Generation Energy Cost (Jul)	8,927.43 Mn LKR
Generation Capacity Cost (Jul)	1,544.82 Mn LKR
Other Cost (Jul)	635.79 Mn LKR

Average Unit Cost of Generation (Jul) 18.47 LKR/kWh