



# Daily Electricity Generation & Cost Estimation Report

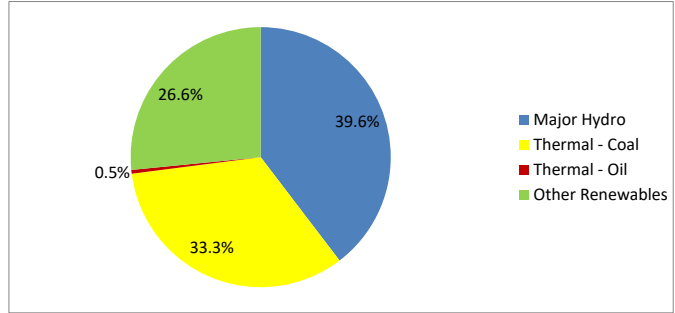
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17th July 2024



**Daily Generation Mix - 17th July 2024**

Plant Type	Generation (GWh)	Percentage
<b>Major Hydro</b>	18.68	39.6%
<b>Thermal - Coal</b>	15.72	33.3%
<b>Thermal - Furnace Oil</b>	0.22	0.5%
<b>Thermal - Diesel</b>	0.00	0.0%
<b>Thermal - Naphtha</b>	0.00	0.0%
<b>Wind - CEB</b>	2.38	5.0%
<b>Wind - IPP</b>	2.53	5.4%
<b>Solar - IPP - Ground Mounted</b>	0.58	1.2%
<b>Solar - Roof Top</b>	2.17	4.6%
<b>Mini Hydro</b>	4.59	9.7%
<b>Municipal Solid Waste</b>	0.28	0.6%
<b>Total</b>	<b>47.15</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 : 17th 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)
<b>Major Hydro</b>	0.0	0.0	40.0	40.0	0.00	0.00	2.14	2.14
<b>Thermal - Coal</b>	306.4	27.5	36.7	370.5	19.49	1.75	2.34	23.57
<b>Thermal - Furnace Oil</b>	8.7	16.6	11.1	36.4	39.39	75.15	50.01	164.55
<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	8.68	8.68
<b>Wind - IPP</b>	35.5	0.0	0.0	35.5	14.05	0.00	0.00	14.05
<b>Solar - IPP - Ground Mounted</b>	11.4	0.0	0.0	11.4	19.56	0.00	0.00	19.56
<b>Solar - Roof Top</b>	54.1	0.0	0.0	54.1	24.92	0.00	0.00	24.92
<b>Mini Hydro</b>	64.7	0.0	0.0	64.7	14.12	0.00	0.00	14.12
<b>Municipal Solid Waste</b>	8.6	0.0	0.0	8.6	30.76	0.00	0.00	30.76
<b>Total</b>	<b>489.4</b>	<b>48.9</b>	<b>118.8</b>	<b>657.1</b>	<b>10.38</b>	<b>1.04</b>	<b>2.52</b>	<b>13.94</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.

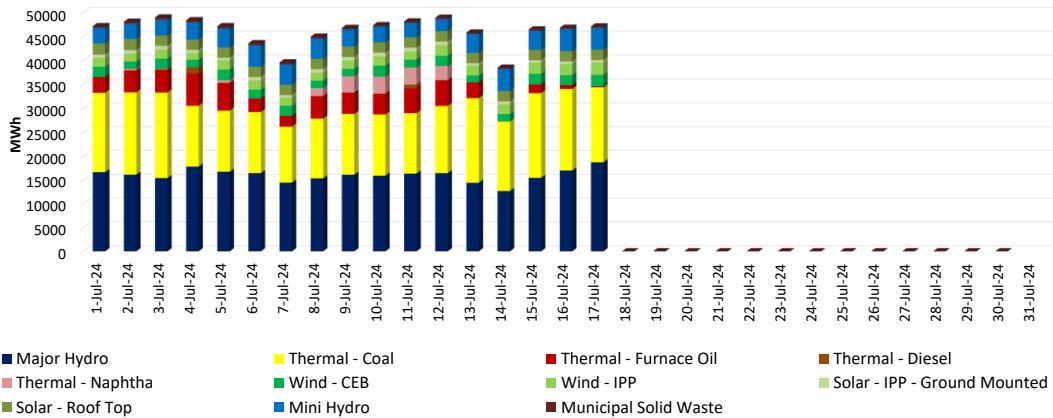
**Unit Cost of Generation for the day : 13.94 LKR/kWh**  
**Total Generation Cost for the day: 657.14 Mn LKR**

**Fuel Prices**

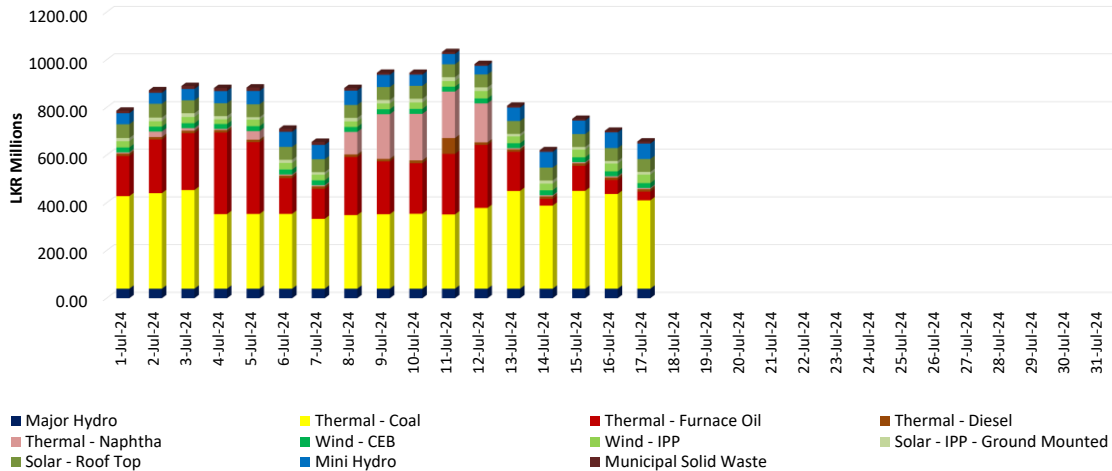
( as at 1st June 2024)

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

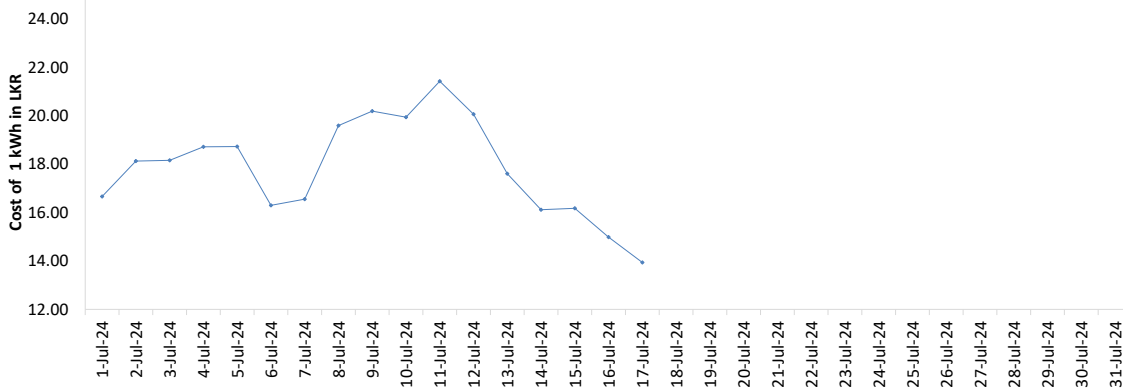
Generation Mix - Jul 2024

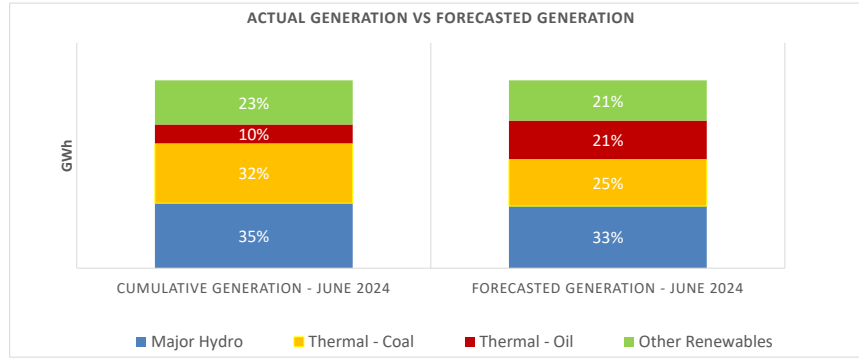


Cost of Generation - Jul 2024



Per Unit Cost of Generation - Jul 2024





	Cumulative Generation - Jul 2024 [GWh]	Forecasted Generation - Jul 2024 [GWh]
Major Hydro	272	463
Thermal - Coal	250	350
Thermal - Oil	79	288
Other Renewables	184	300
<b>Total</b>	<b>784</b>	<b>1401</b>

Forecasted Generation - SDDP Jan 2024

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

Major Hydro	680.00 Mn LKR
Thermal - Coal	5955.82 Mn LKR
Thermal - Furnace Oil	3137.83 Mn LKR
Thermal - Diesel	236.75 Mn LKR
Thermal - Naphtha	947.45 Mn LKR
Wind - CEB	351.19 Mn LKR
Wind - IPP	457.90 Mn LKR
Solar - IPP - Ground Mounted	228.96 Mn LKR
Solar - Roof Top	926.69 Mn LKR
Mini Hydro	915.64 Mn LKR
Municipal Solid Waste	167.54 Mn LKR
<b>Total Generation Cost</b>	<b>14,005.77 Mn LKR</b>

Generation Energy Cost (Jul)	10,535.52 Mn LKR
Generation Capacity Cost (Jul)	1,901.32 Mn LKR
Other Cost (Jul)	782.51 Mn LKR
<b>Average Unit Cost of Generation (Jul)</b>	<b>17.85 LKR/kWh</b>