



# Daily Electricity Generation & Cost Estimation Report

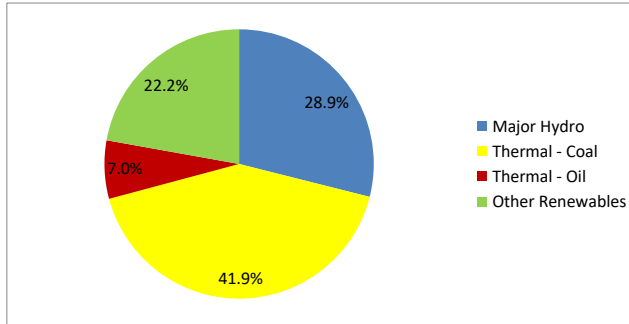
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23rd August 2024



**Daily Generation Mix -23rd August 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.41	28.9%
Thermal - Coal	19.43	41.9%
Thermal - Furnace Oil	3.24	7.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.22	4.8%
Wind - IPP	1.65	3.6%
Solar - IPP - Ground Mounted	0.61	1.3%
Solar - Roof Top	1.92	4.1%
Mini Hydro	3.54	7.6%
Municipal Solid Waste	0.35	0.8%
<b>Total</b>	<b>46.36</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 : 23rd Aug 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	36.3	36.3	0.00	0.00	2.71	2.71
Thermal - Coal	378.6	27.5	41.8	447.9	19.49	1.41	2.15	23.06
Thermal - Furnace Oil	131.1	9.4	51.2	191.7	40.45	2.89	15.81	59.16
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.9	3.2	5.1	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	20.8	20.8	0.00	0.00	9.37	9.37
Wind - IPP	26.5	0.0	0.0	26.5	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	11.8	0.0	0.0	11.8	19.50	0.00	0.00	19.50
Solar - Roof Top	47.8	0.0	0.0	47.8	24.92	0.00	0.00	24.92
Mini Hydro	51.7	0.0	0.0	51.7	14.61	0.00	0.00	14.61
Municipal Solid Waste	13.7	0.0	0.0	13.7	39.30	0.00	0.00	39.30
<b>Total</b>	<b>661.3</b>	<b>40.2</b>	<b>173.2</b>	<b>874.7</b>	<b>14.26</b>	<b>0.87</b>	<b>3.74</b>	<b>18.87</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.

Capacity cost is based on the approved BST submission.

**Unit Cost of Generation for the day : 18.87 LKR/kWh**  
**Total Generation Cost for the day: 874.69 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

**Scheduled (Day Ahead) Generation Mix - 23rd Aug 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hvdro	12.8	30%
Thermal - Coal	19.3	45%
Thermal - Furnace Oil	2.6	6%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	3.6	8%
Wind - IPP		
Solar	0.3	1%
Mini Hvdro	4.4	10%
<b>Total</b>	<b>43.00</b>	

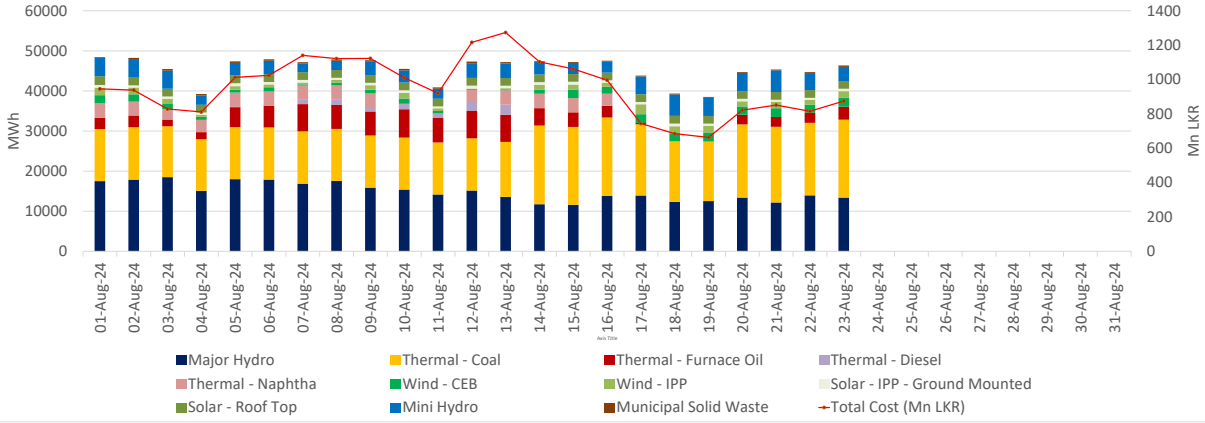
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **797.33 Mn LKR**

**Actual Generation Mix - 23rd Aug 2024 (Excluding generation from non telemetered power plants)**

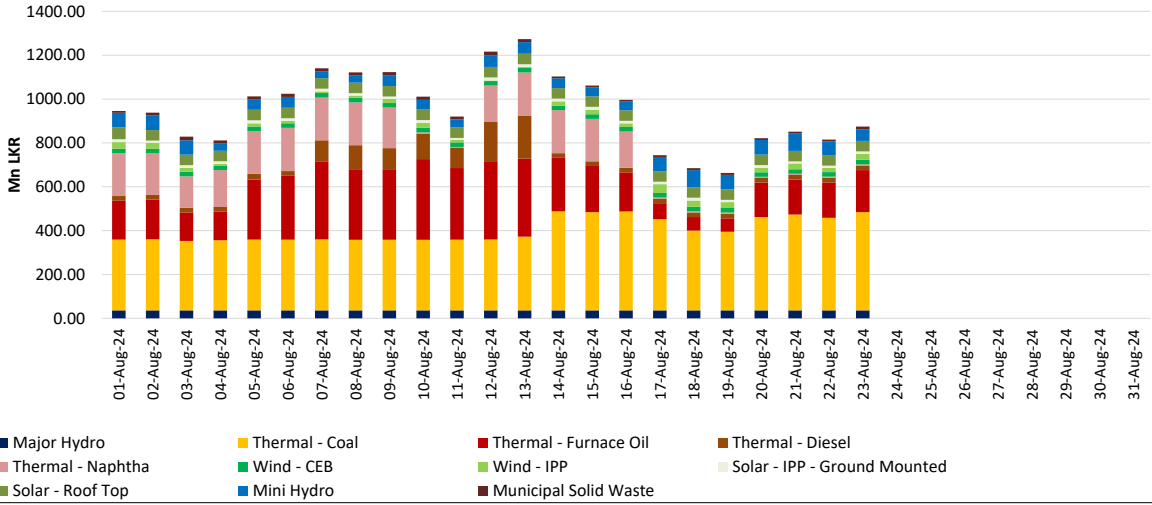
Plant Type	Generation (GWh)	Percentage
Major Hvdro	13.4	31%
Thermal - Coal	19.4	44%
Thermal - Furnace Oil	3.2	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.2	5%
Wind - IPP	1.6	4%
Solar	0.6	1%
Mini Hvdro	3.3	8%
<b>Total</b>	<b>43.89</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **810.20 Mn LKR**

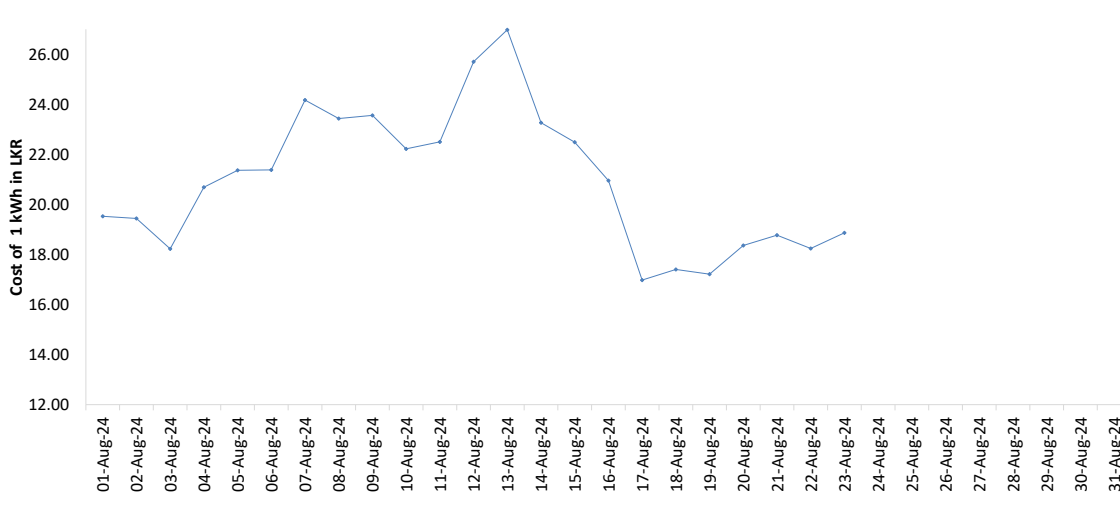
Generation mix and Total cost of generation - Aug 2024

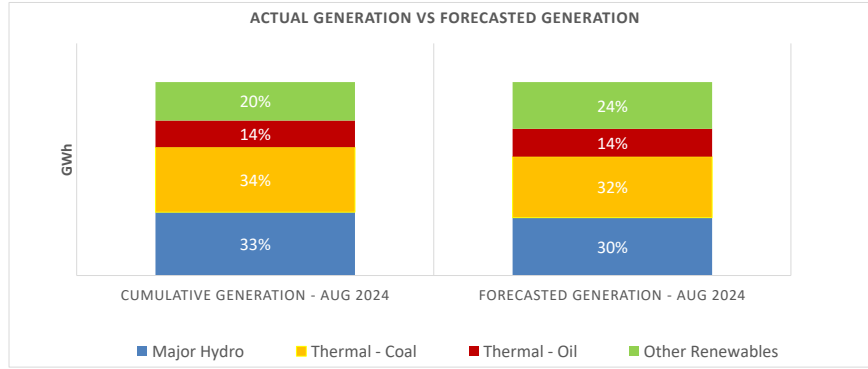


Cost of Generation - Aug 2024



Per Unit Cost of Generation - Aug 2024





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	343	433
Thermal - Coal	350	456
Thermal - Oil	145	208
Other Renewables	208	350
<b>Total</b>	<b>1045</b>	<b>1447</b>

Forecasted Generation - SDDP Aug 2024

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

Major Hydro	835.54 Mn LKR
Thermal - Coal	8420.59 Mn LKR
Thermal - Furnace Oil	5083.42 Mn LKR
Thermal - Diesel	1235.65 Mn LKR
Thermal - Naphtha	2627.27 Mn LKR
Wind - CEB	479.03 Mn LKR
Wind - IPP	427.82 Mn LKR
Solar - IPP - Ground Mounted	273.55 Mn LKR
Solar - Roof Top	1106.59 Mn LKR
Mini Hydro	1226.73 Mn LKR
Municipal Solid Waste	266.28 Mn LKR
<b>Total Generation Cost</b>	<b>21,982.47 Mn LKR</b>

Generation Energy Cost (Aug) 17,074.61 Mn LKR

\*Generation Capacity Cost (Aug) 3,983.24 Mn LKR

Other Cost (Aug) 924.62 Mn LKR

Average Unit Cost of Generation (Aug) 21.03 LKR/kWh

Note -

\* Capacity cost is based on the approved BST submission.