



# Daily Electricity Generation & Cost Estimation Report

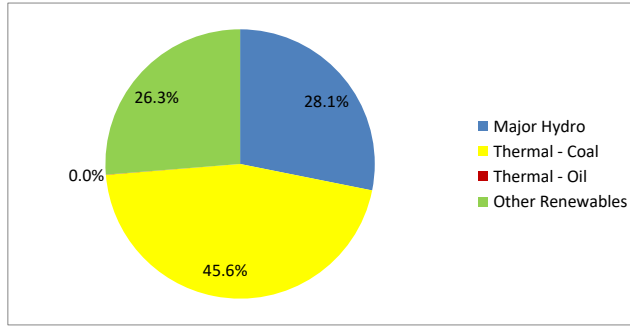
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25th August 2024



**Daily Generation Mix -25th August 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.03	28.1%
Thermal - Coal	17.86	45.6%
Thermal - Furnace Oil	0.01	0.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.38	6.1%
Wind - IPP	2.36	6.0%
Solar - IPP - Ground Mounted	0.62	1.6%
Solar - Roof Top	1.92	4.9%
Mini Hydro	2.74	7.0%
Municipal Solid Waste	0.28	0.7%
<b>Total</b>	<b>39.19</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 : 25th 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	3.29	3.29
Thermal - Coal	348.0	27.5	41.8	417.3	19.49	1.54	2.34	23.37
Thermal - Furnace Oil	0.4	9.4	51.2	61.1	40.28	852.64	4657.71	5550.64
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	8.77	8.77
Wind - IPP	38.0	0.0	0.0	38.0	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	12.1	0.0	0.0	12.1	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	40.0	0.0	0.0	40.0	14.61	0.00	0.00	14.61
Municipal Solid Waste	11.0	0.0	0.0	11.0	39.30	0.00	0.00	39.30
<b>Total</b>	<b>497.4</b>	<b>40.2</b>	<b>173.2</b>	<b>710.8</b>	<b>12.69</b>	<b>1.03</b>	<b>4.42</b>	<b>18.14</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 : 18.14 LKR/kWh**  
**Total Generation Cost for the day: 710.83 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 - 25th Aug 2024 (Excluding generation from non telemetered power plants)**

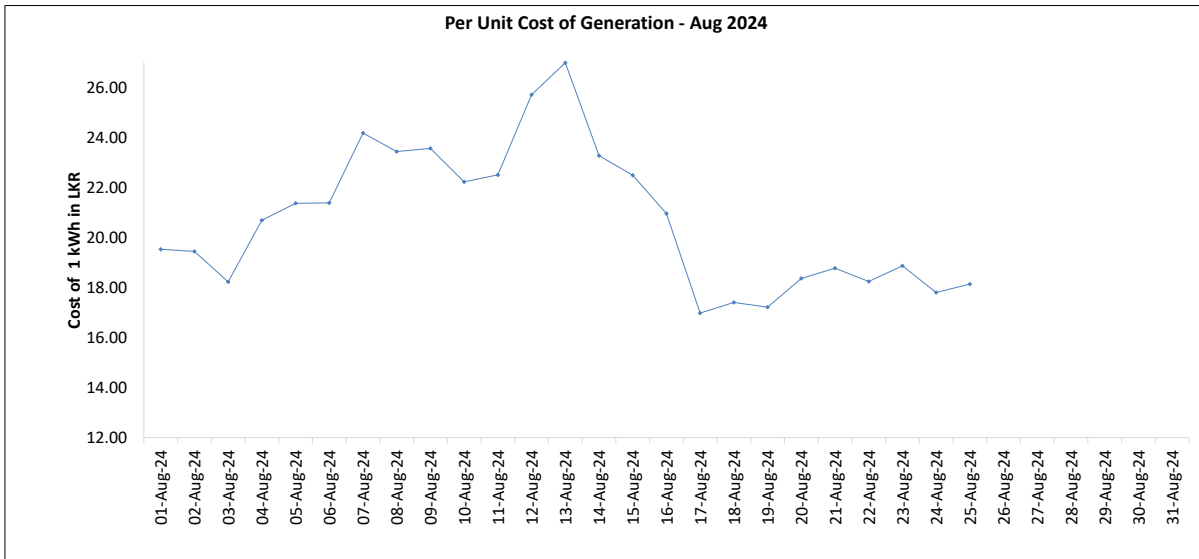
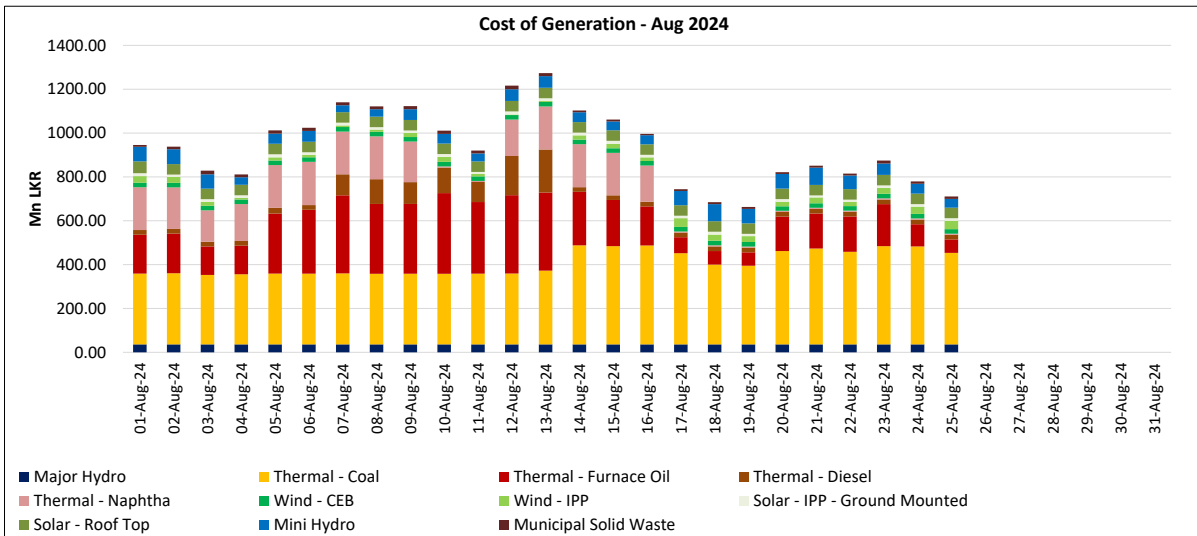
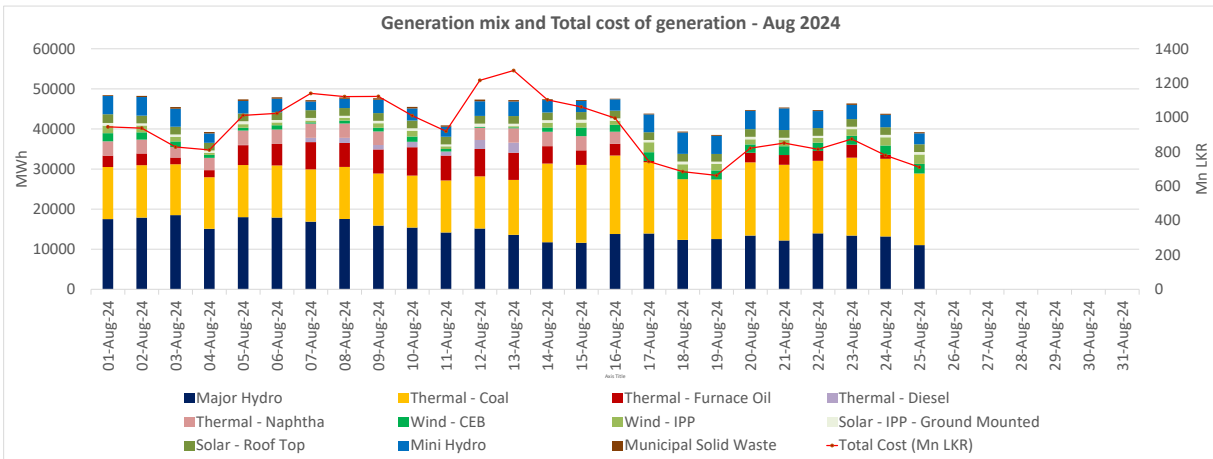
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.0	30%
Thermal - Coal	19.3	53%
Thermal - Furnace Oil	0.2	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.7	7%
Wind - IPP		
Solar	0.5	1%
Mini Hydro	2.9	8%
<b>Total</b>	<b>36.59</b>	

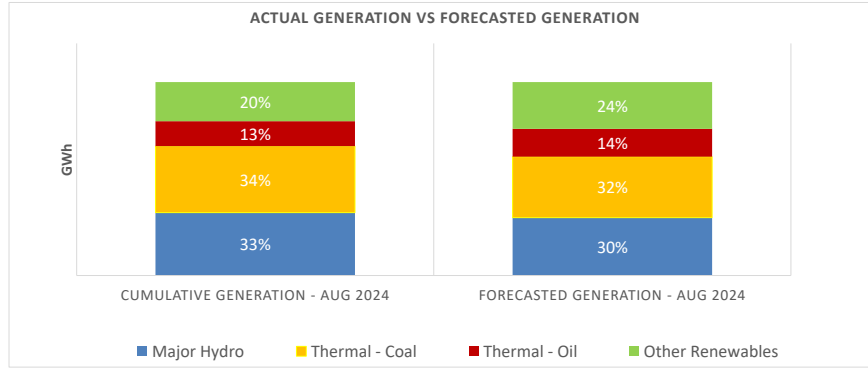
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **672.03 Mn LKR**

**Actual Generation Mix - 25th Aug 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.0	30%
Thermal - Coal	17.9	48%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.4	6%
Wind - IPP	2.4	6%
Solar	0.6	2%
Mini Hydro	2.6	7%
<b>Total</b>	<b>36.84</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **649.67 Mn LKR**





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	367	433
Thermal - Coal	388	456
Thermal - Oil	146	208
Other Renewables	228	350
<b>Total</b>	<b>1128</b>	<b>1447</b>

Forecasted Generation - SDDP Aug 2024

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

Major Hydro	908.20 Mn LKR
Thermal - Coal	9284.54 Mn LKR
Thermal - Furnace Oil	5245.79 Mn LKR
Thermal - Diesel	1278.06 Mn LKR
Thermal - Naphtha	2637.50 Mn LKR
Wind - CEB	520.68 Mn LKR
Wind - IPP	498.79 Mn LKR
Solar - IPP - Ground Mounted	297.14 Mn LKR
Solar - Roof Top	1202.28 Mn LKR
Mini Hydro	1311.73 Mn LKR
Municipal Solid Waste	288.09 Mn LKR
<b>Total Generation Cost</b>	<b>23,472.80 Mn LKR</b>

Generation Energy Cost (Aug) 18,138.16 Mn LKR

\*Generation Capacity Cost (Aug) 4,329.61 Mn LKR

Other Cost (Aug) 1,005.02 Mn LKR

Average Unit Cost of Generation (Aug) 20.80 LKR/kWh

Note -

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