



# Daily Electricity Generation & Cost Estimation Report

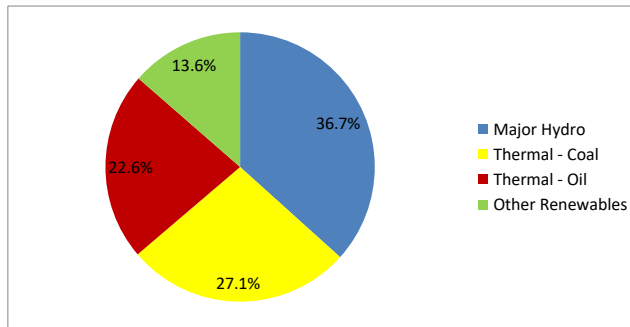
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08th August 2024



Daily Generation Mix -08th August 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	17.56	36.7%
Thermal - Coal	12.96	27.1%
Thermal - Furnace Oil	5.99	12.5%
Thermal - Diesel	1.28	2.7%
Thermal - Naphtha	3.57	7.5%
Wind - CEB	0.73	1.5%
Wind - IPP	0.64	1.3%
Solar - IPP - Ground Mounted	0.56	1.2%
Solar - Roof Top	1.92	4.0%
Mini Hydro	2.32	4.9%
Municipal Solid Waste	0.33	0.7%
<b>Total</b>	<b>47.87</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 : 08th 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	2.07	2.07
Thermal - Coal	252.6	27.5	41.8	321.9	19.49	2.12	3.23	24.83
Thermal - Furnace Oil	257.8	9.4	51.2	318.4	43.04	1.57	8.55	53.16
Thermal - Diesel	91.7	1.5	19.8	112.9	71.49	1.13	15.41	88.04
Thermal - Naphtha	190.2	1.9	3.2	195.3	53.25	0.54	0.89	54.69
Wind - CEB	0.0	0.0	20.8	20.8	0.00	0.00	28.49	28.49
Wind - IPP	10.3	0.0	0.0	10.3	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	11.0	0.0	0.0	11.0	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	33.9	0.0	0.0	33.9	14.61	0.00	0.00	14.61
Municipal Solid Waste	13.0	0.0	0.0	13.0	39.30	0.00	0.00	39.30
<b>Total</b>	<b>908.4</b>	<b>40.2</b>	<b>173.2</b>	<b>1121.8</b>	<b>18.98</b>	<b>0.84</b>	<b>3.62</b>	<b>23.43</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 : **23.43 LKR/kWh**  
 Total Generation Cost for the day: **1121.77 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 - 08th Aug 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hvdro	17.5	37%
Thermal - Coal	13.0	28%
Thermal - Furnace Oil	7.0	15%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	2.6	6%
Wind - IPP		
Solar	0.5	1%
Mini Hvdro	2.8	6%
<b>Total</b>	<b>46.90</b>	

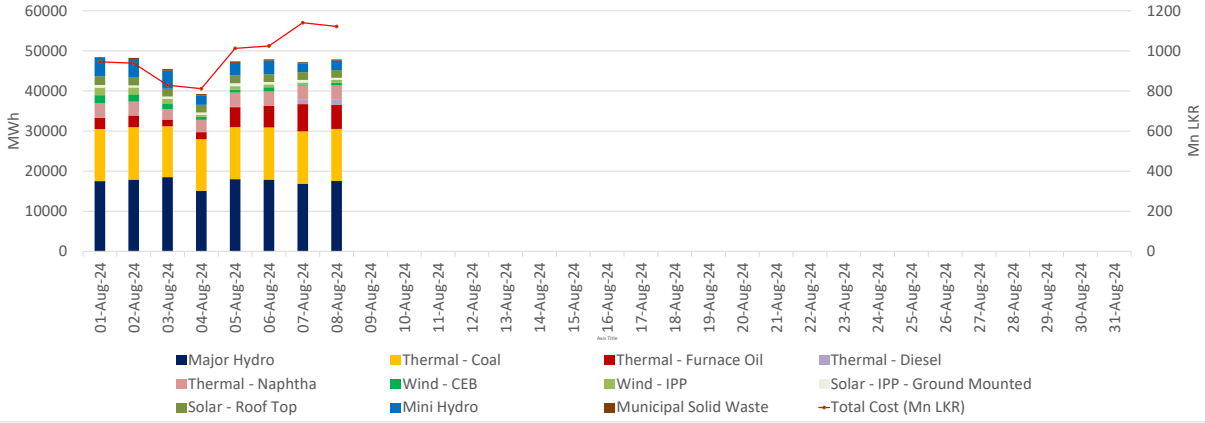
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1031.60 Mn LKR**

Actual Generation Mix - 08th Aug 2024 (Excluding generation from non telemetered power plants)

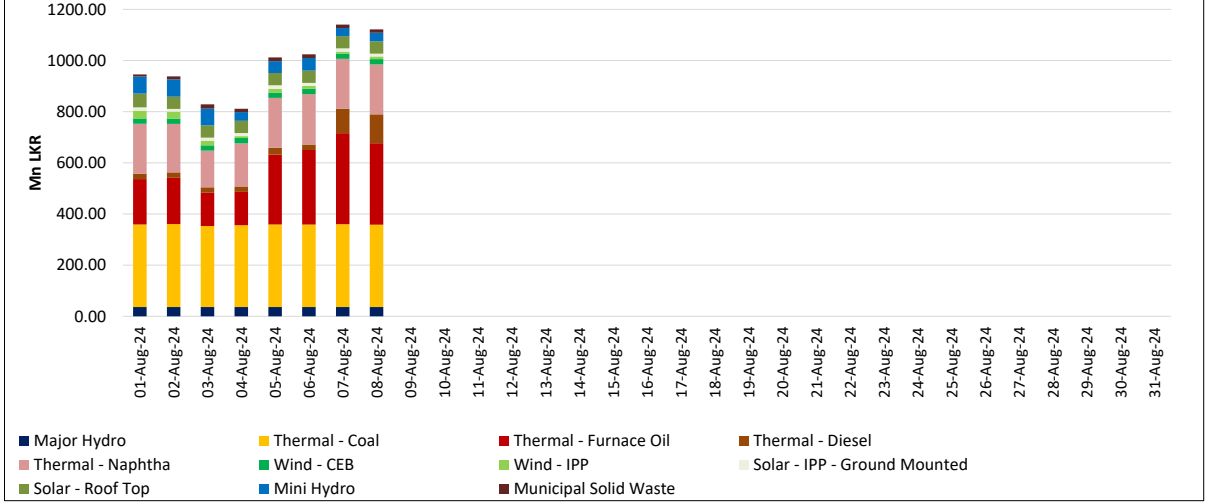
Plant Type	Generation (GWh)	Percentage
Major Hydro	17.6	39%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	6.0	13%
Thermal - Diesel	1.3	3%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.7	2%
Wind - IPP	0.6	1%
Solar	0.6	1%
Mini Hydro	1.9	4%
<b>Total</b>	<b>45.20</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1054.67 Mn LKR**

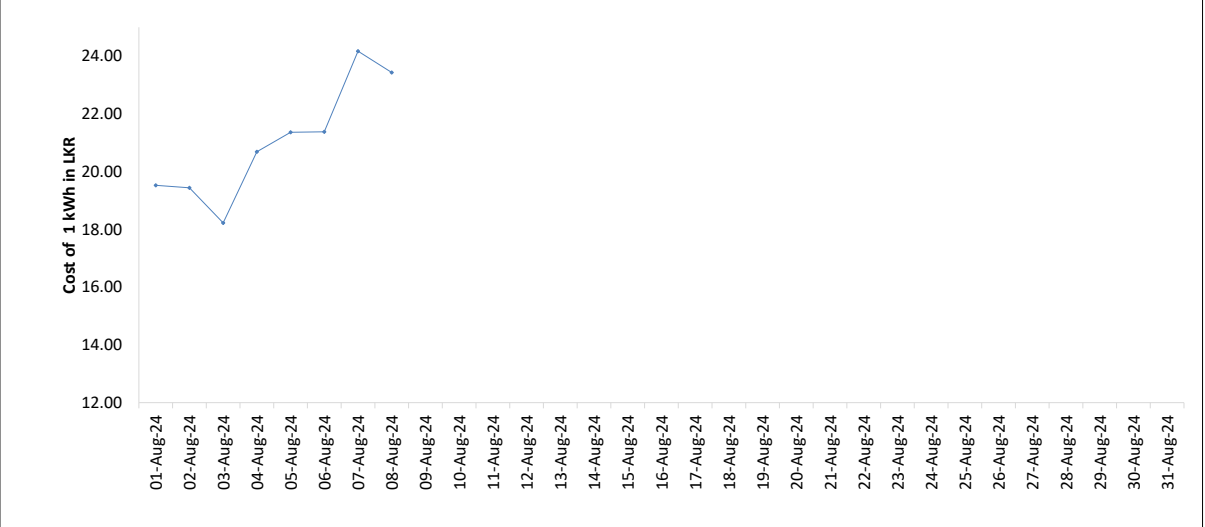
Generation mix and Total cost of generation - Aug 2024

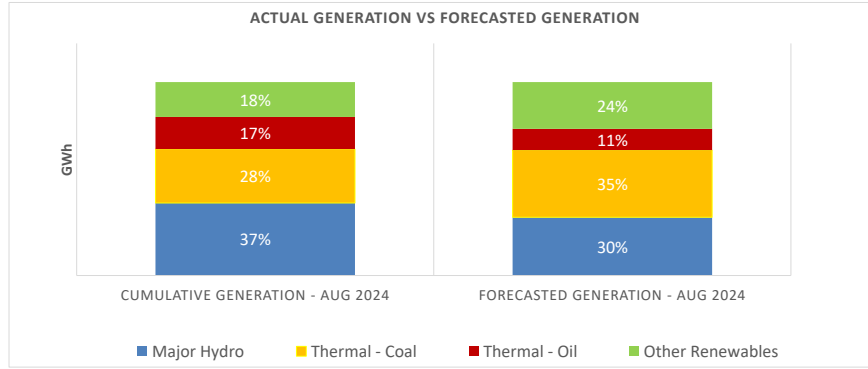


Cost of Generation - Aug 2024



Per Unit Cost of Generation - Aug 2024





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	139	436
Thermal - Coal	104	502
Thermal - Oil	62	160
Other Renewables	67	350
<b>Total</b>	<b>372</b>	<b>1447</b>

Forecasted Generation - SDDP JUL 2024

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

Major Hydro	290.62 Mn LKR
Thermal - Coal	2573.99 Mn LKR
Thermal - Furnace Oil	1858.63 Mn LKR
Thermal - Diesel	341.05 Mn LKR
Thermal - Naphtha	1478.65 Mn LKR
Wind - CEB	166.62 Mn LKR
Wind - IPP	126.30 Mn LKR
Solar - IPP - Ground Mounted	97.31 Mn LKR
Solar - Roof Top	388.96 Mn LKR
Mini Hydro	395.26 Mn LKR
Municipal Solid Waste	105.43 Mn LKR
<b>Total Generation Cost</b>	<b>7,822.82 Mn LKR</b>

Generation Energy Cost (Aug) 6,115.74 Mn LKR

\*Generation Capacity Cost (Aug) 1,385.48 Mn LKR

Other Cost (Aug) 321.61 Mn LKR

Average Unit Cost of Generation (Aug) 21.04 LKR/kWh

Note -

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