



# Daily Electricity Generation & Cost Estimation Report

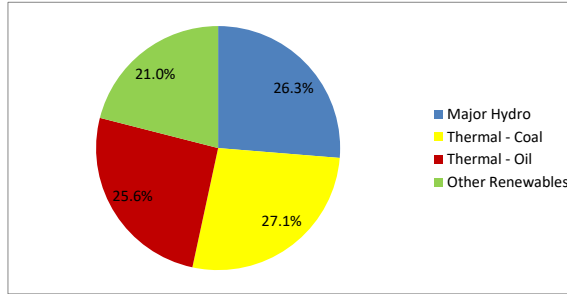
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8th November 2024



**Daily Generation Mix -8th Nov 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.69	26.3%
Thermal - Coal	13.08	27.1%
Thermal - Furnace Oil	8.77	18.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.58	7.4%
Wind - CEB	0.66	1.4%
Wind - IPP	0.44	0.9%
Solar - IPP - Ground Mounted	0.54	1.1%
Solar - Roof Top	2.77	5.7%
Mini Hydro	5.22	10.8%
Municipal Solid Waste	0.53	1.1%
<b>Total</b>	<b>48.26</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 : 8th Nov 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	39.1	39.1	0.00	0.00	3.08	3.08
Thermal - Coal	233.4	28.4	46.3	308.1	17.85	2.17	3.54	23.56
Thermal - Furnace Oil	402.9	9.7	51.9	464.6	45.93	1.10	5.92	52.96
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	160.3	2.0	3.3	165.6	44.74	0.55	0.92	46.21
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	32.87	32.87
Wind - IPP	7.0	0.0	0.0	7.0	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	10.5	0.0	0.0	10.5	19.58	0.00	0.00	19.58
Solar - Roof Top	69.0	0.0	0.0	69.0	24.92	0.00	0.00	24.92
Mini Hydro	70.9	0.0	0.0	70.9	13.59	0.00	0.00	13.59
Municipal Solid Waste	20.5	0.0	0.0	20.5	39.00	0.00	0.00	39.00
<b>Total</b>	<b>974.6</b>	<b>41.5</b>	<b>182.2</b>	<b>1,198.3</b>	<b>20.19</b>	<b>0.86</b>	<b>3.77</b>	<b>24.83</b>

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission.

Unit Cost of Generation for the day : **24.83 LKR/kWh**  
 Total Generation Cost for the day: **1198.31 Mn LKR**

**Fuel Prices**

( as at 17th Oct 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	43.47
Naphtha	166.00
Auto Diesel	283.00

**Scheduled (Day Ahead) Generation Mix - 8th Nov 2024 (Excluding generation from non telemetered power plants)**

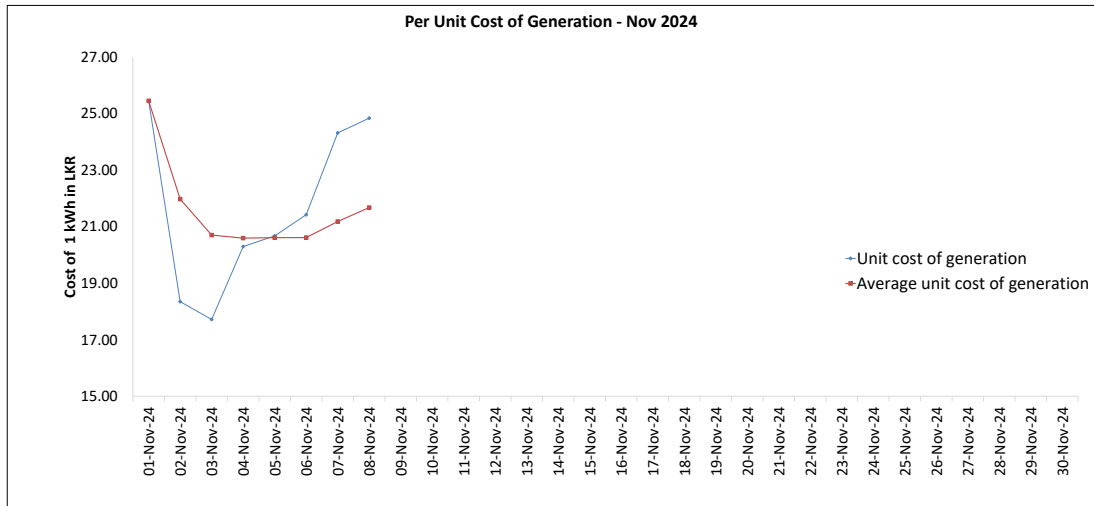
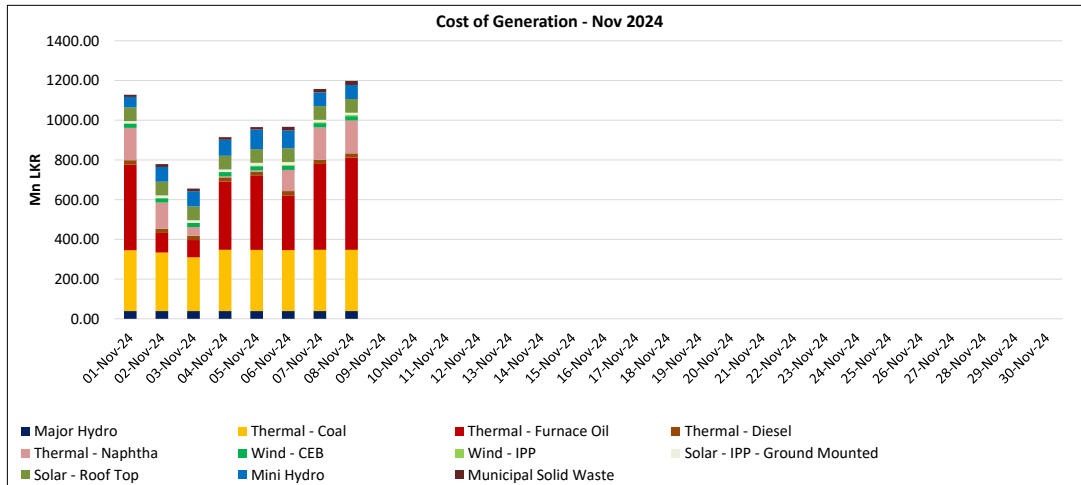
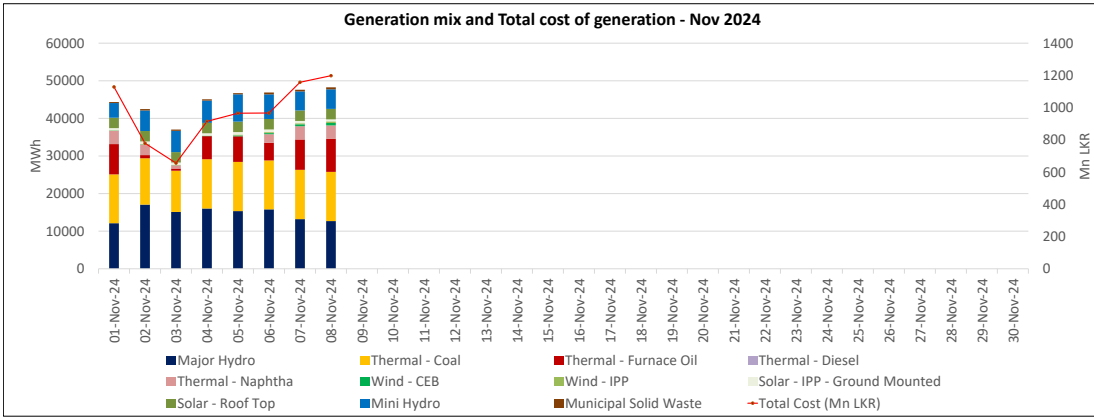
Plant Type	Generation (GWh)	Percentage
Major Hydro	12.0	27%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	9.5	21%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB		
Wind - IPP	0.4	1%
BMP	0.5	1%
Solar	0.6	1%
Mini Hydro	5.5	12%
<b>Total</b>	<b>45.04</b>	

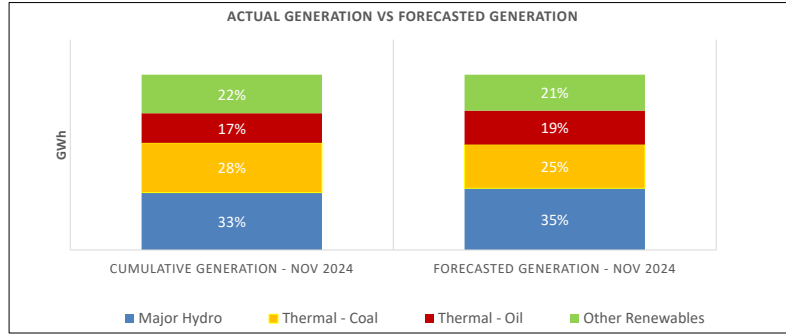
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1,163 Mn LKR**

**Actual Generation Mix - 8th Nov 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.7	28%
Thermal - Coal	13.1	29%
Thermal - Furnace Oil	8.8	19%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.7	1%
Wind - IPP	0.4	1%
BMP	0.5	1.2%
Solar	0.5	1%
Mini Hydro	4.9	11%
<b>Total</b>	<b>45.20</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1,125 Mn LKR**





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	117	478
Thermal - Coal	102	338
Thermal - Oil	61	263
Other Renewables	79	278
<b>Total</b>	<b>358</b>	<b>1357</b>

Forecasted Generation - SDDP Oct 2024

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

Major Hydro	312 Mn LKR
Thermal - Coal	2,412 Mn LKR
Thermal - Furnace Oil	2,506 Mn LKR
Thermal - Diesel	172 Mn LKR
Thermal - Naphtha	783 Mn LKR
Wind - CEB	172 Mn LKR
Wind - IPP	25 Mn LKR
Solar - IPP - Ground Mounted	98 Mn LKR
Solar - Roof Top	552 Mn LKR
Mini Hydro	612 Mn LKR
Municipal Solid Waste	122 Mn LKR
<b>Total Generation Cost</b>	<b>7,766 Mn LKR</b>

Generation Energy Cost (Nov) 5,900 Mn LKR

\*Generation Capacity Cost (Nov) 1,457 Mn LKR

Other Cost (Nov) 332 Mn LKR

Average Unit Cost of Generation (Nov) 21.67 LKR/kWh

Note -

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