



# Daily Electricity Generation & Cost Estimation Report

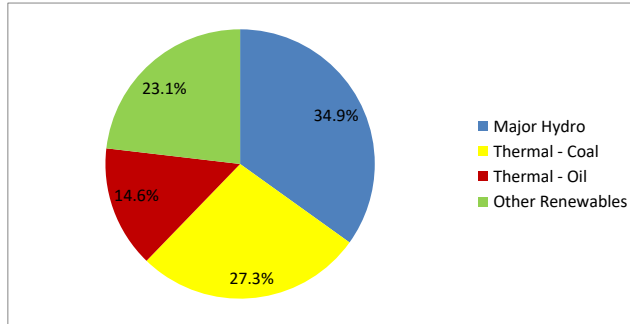
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20th November 2024



**Daily Generation Mix - 20th Nov 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.58	34.9%
Thermal - Coal	12.98	27.3%
Thermal - Furnace Oil	3.27	6.9%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.67	7.7%
Wind - CEB	0.41	0.9%
Wind - IPP	0.30	0.6%
Solar - IPP - Ground Mounted	0.58	1.2%
Solar - Roof Top	2.77	5.8%
Mini Hydro	6.42	13.5%
Municipal Solid Waste	0.51	1.1%
<b>Total</b>	<b>47.50</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 : 20th 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	2.36	2.36
Thermal - Coal	243.3	28.4	46.3	318.0	18.74	2.18	3.57	24.50
Thermal - Furnace Oil	146.0	9.7	51.9	207.6	44.63	2.96	15.88	63.47
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	164.4	2.0	3.3	169.6	44.74	0.54	0.90	46.18
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	52.98	52.98
Wind - IPP	4.9	0.0	0.0	4.9	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	11.4	0.0	0.0	11.4	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	87.2	0.0	0.0	87.2	13.59	0.00	0.00	13.59
Municipal Solid Waste	20.0	0.0	0.0	20.0	39.00	0.00	0.00	39.00
<b>Total</b>	<b>746.2</b>	<b>41.5</b>	<b>182.2</b>	<b>969.9</b>	<b>15.71</b>	<b>0.87</b>	<b>3.84</b>	<b>20.42</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 : **20.42 LKR/kWh**  
 Total Generation Cost for the day : **969.92 Mn LKR**

**Fuel Prices**

( as at 11th Nov 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	45.65
Naphtha	166.00
Auto Diesel	283.00

**Scheduled (Day Ahead) Generation Mix - 20th Nov 2024 (Excluding generation from non telemetered power plants)**

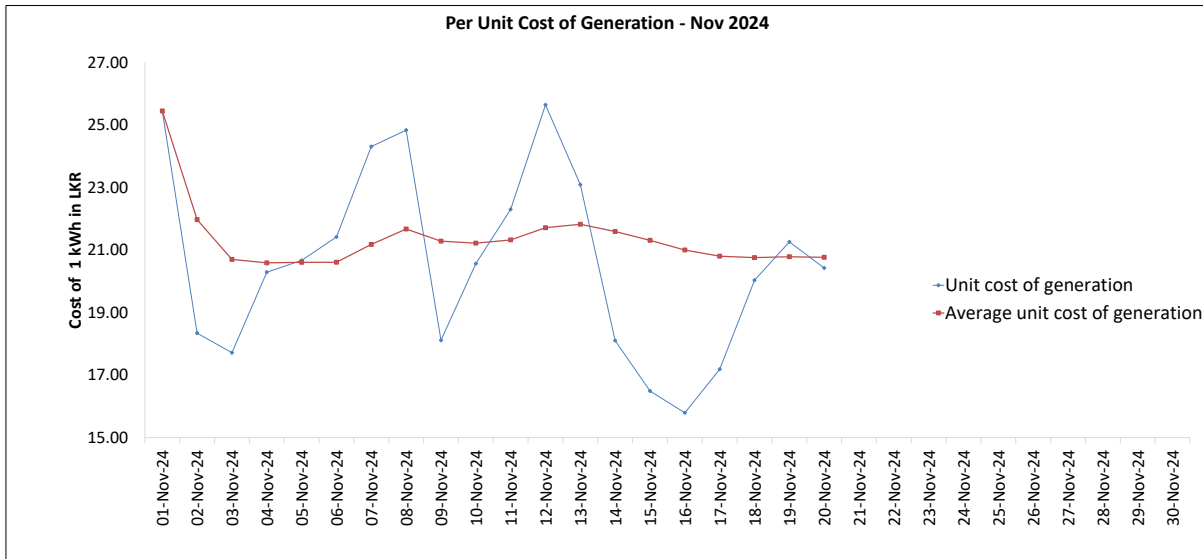
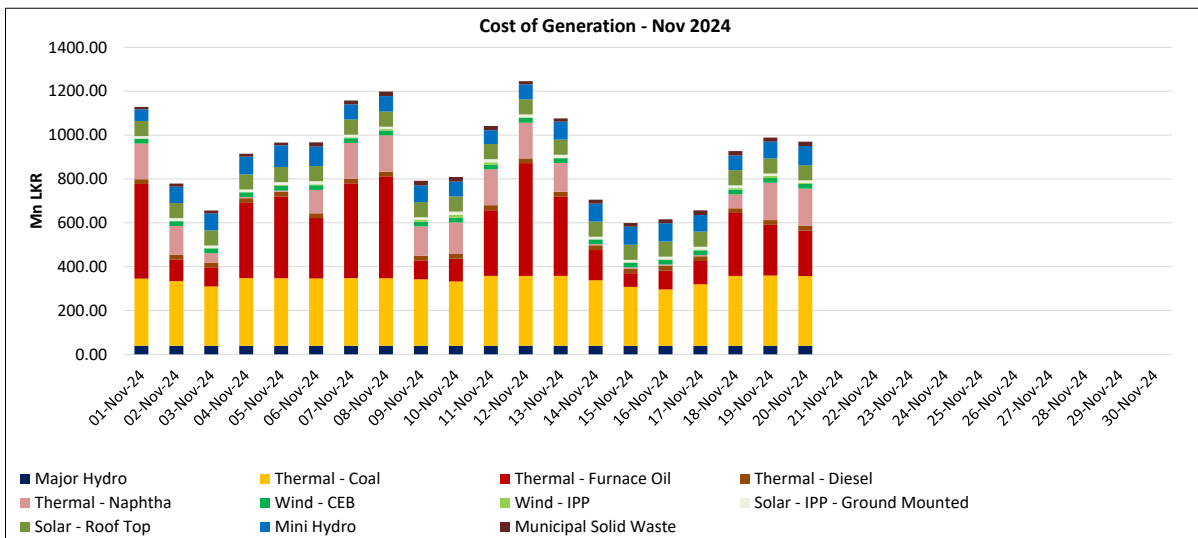
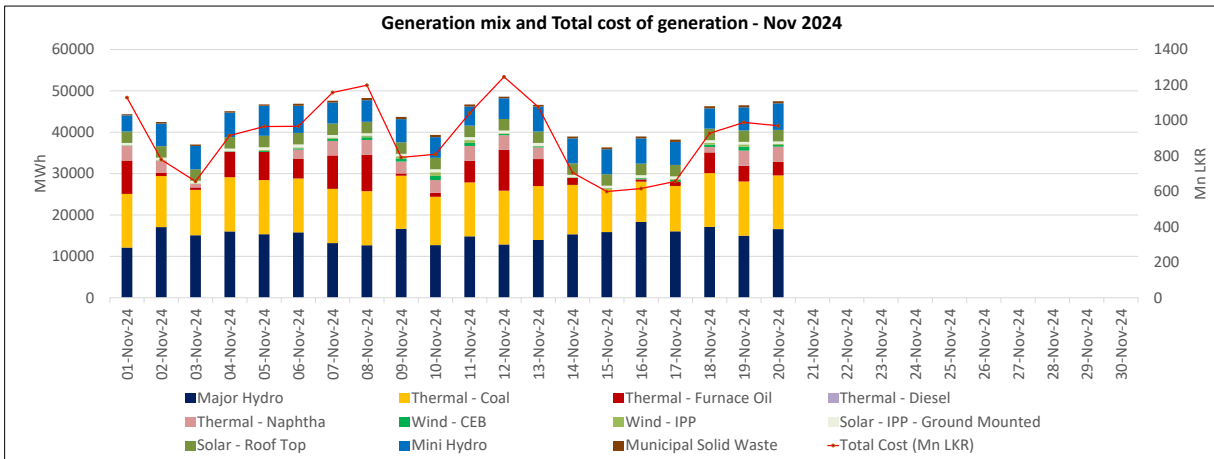
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.2	37%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	4.1	9%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.9	2%
Wind - IPP		
BMP	0.5	1%
Solar	0.5	1%
Mini Hydro	4.6	11%
<b>Total</b>	<b>43.42</b>	

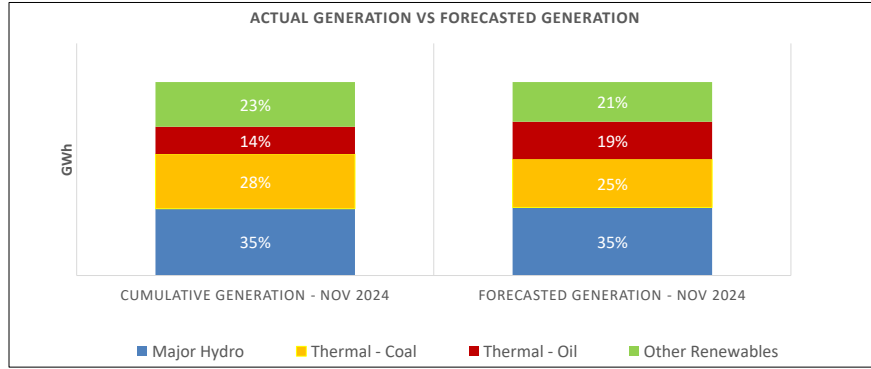
**Actual Generation Mix - 20th Nov 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.6	38%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	3.3	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.7	8%
Wind - CEB	0.4	1%
Wind - IPP	0.3	1%
BMP	0.5	1.2%
Solar	0.6	1%
Mini Hydro	5.6	13%
<b>Total</b>	<b>43.94</b>	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **912 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **890 Mn LKR**





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	303	478
Thermal - Coal	247	338
Thermal - Oil	124	263
Other Renewables	203	278
<b>Total</b>	<b>876</b>	<b>1357</b>

Forecasted Generation - SDDP Oct 2024

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

Major Hydro	781	Mn LKR
Thermal - Coal	6,026	Mn LKR
Thermal - Furnace Oil	4,989	Mn LKR
Thermal - Diesel	433	Mn LKR
Thermal - Naphtha	1,943	Mn LKR
Wind - CEB	431	Mn LKR
Wind - IPP	93	Mn LKR
Solar - IPP - Ground Mounted	248	Mn LKR
Solar - Roof Top	1,380	Mn LKR
Mini Hydro	1,522	Mn LKR
Municipal Solid Waste	346	Mn LKR
<b>Total Generation Cost</b>	<b>18,193</b>	<b>Mn LKR</b>

Generation Energy Cost (Nov) 13,642 Mn LKR

\*Generation Capacity Cost (Nov) 3,644 Mn LKR

Other Cost (Nov) 831 Mn LKR

Average Unit Cost of Generation (Nov) 20.76 LKR/kWh

Note -

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