



# Daily Electricity Generation & Cost Estimation Report

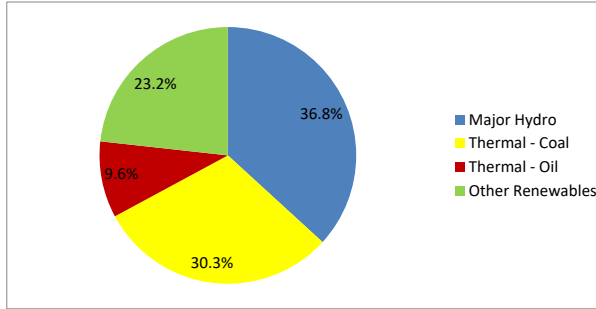
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23rd November 2024



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

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.76	36.8%
Thermal - Coal	12.99	30.3%
Thermal - Furnace Oil	0.69	1.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.43	8.0%
Wind - CEB	0.57	1.3%
Wind - IPP	0.50	1.2%
Solar - IPP - Ground Mounted	0.58	1.4%
Solar - Roof Top	2.77	6.5%
Mini Hydro	5.03	11.8%
Municipal Solid Waste	0.50	1.2%
<b>Total</b>	<b>42.82</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 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	2.48	2.48
Thermal - Coal	243.4	28.4	46.3	318.1	18.74	2.18	3.57	24.49
Thermal - Furnace Oil	29.9	9.7	51.9	91.6	43.51	14.09	75.49	133.09
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	153.5	2.0	3.3	158.8	44.74	0.58	0.96	46.28
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	37.96	37.96
Wind - IPP	8.1	0.0	0.0	8.1	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	68.4	0.0	0.0	68.4	13.59	0.00	0.00	13.59
Municipal Solid Waste	19.5	0.0	0.0	19.5	39.00	0.00	0.00	39.00
<b>Total</b>	<b>603.3</b>	<b>41.5</b>	<b>182.2</b>	<b>827.0</b>	<b>14.09</b>	<b>0.97</b>	<b>4.25</b>	<b>19.31</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 : **19.31 LKR/kWh**  
Total Generation Cost for the day: **827.01 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 - 23rd Nov 2024 (Excluding generation from non telemetered power plants)**

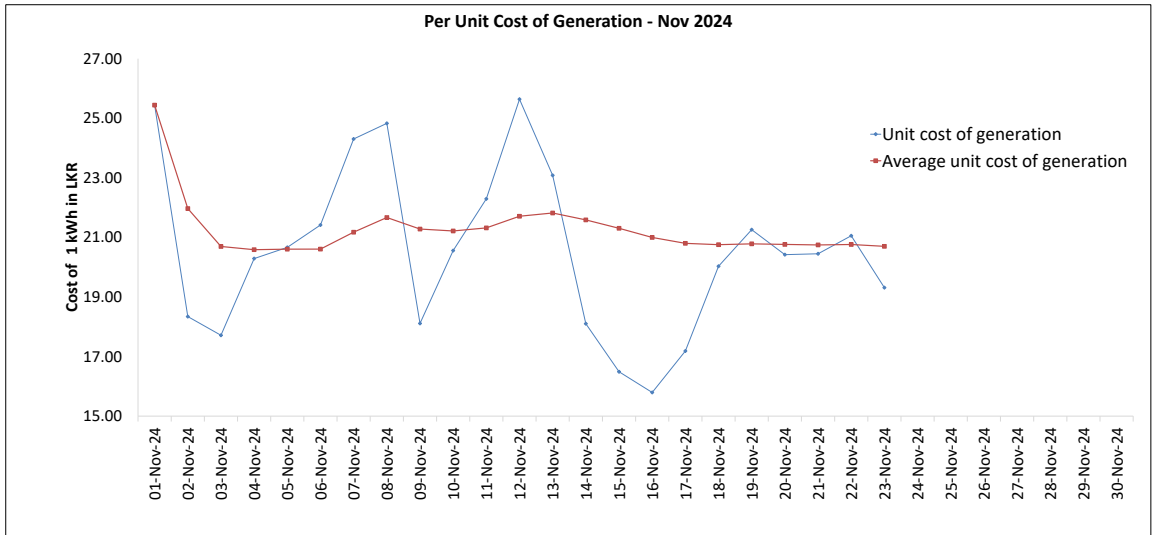
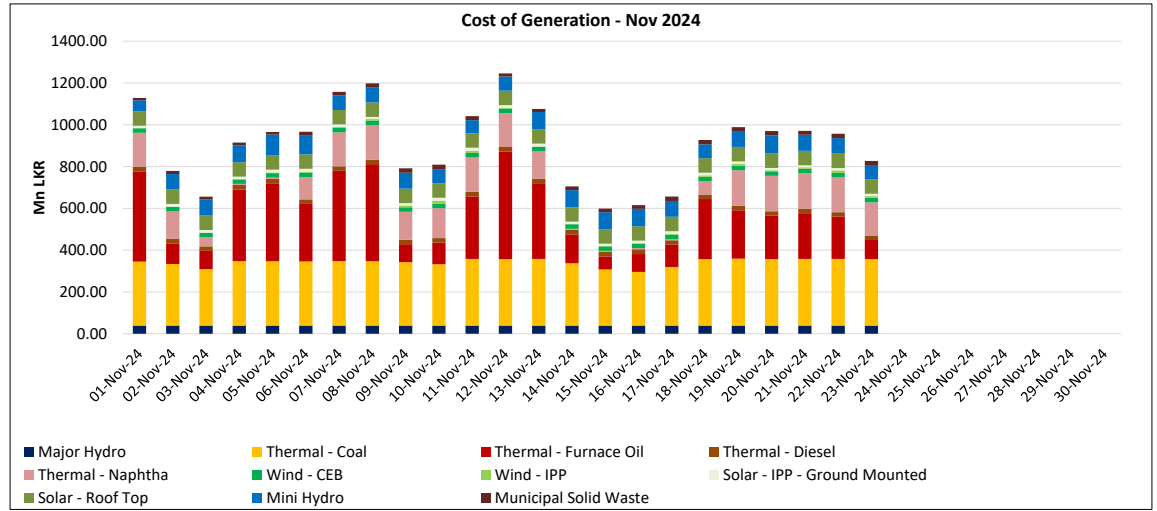
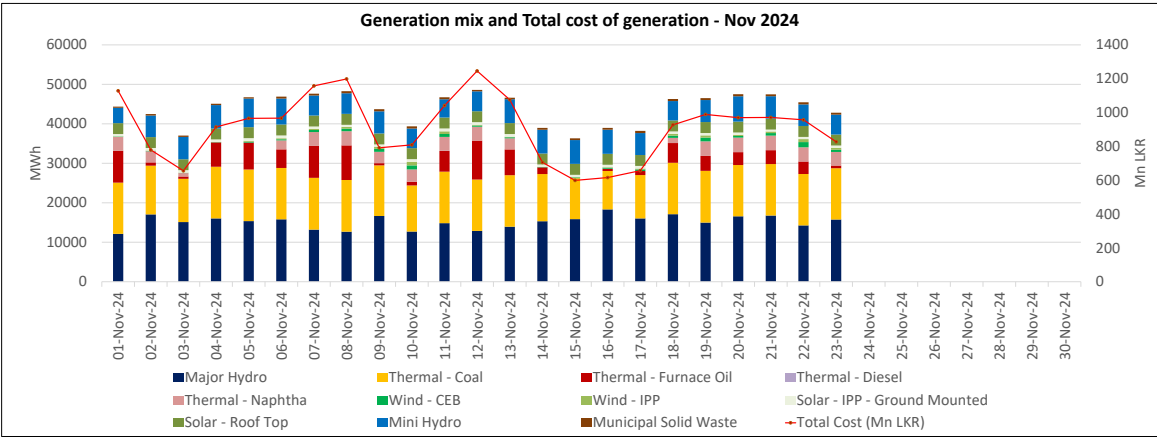
Plant Type	Generation (GWh)	Percentage
Major Hydro	14.8	37%
Thermal - Coal	13.0	32%
Thermal - Furnace Oil	1.7	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB		
Wind - IPP	0.9	2%
BMP	0.5	1%
Solar	0.3	1%
Mini Hydro	5.4	13%
<b>Total</b>	<b>40.06</b>	

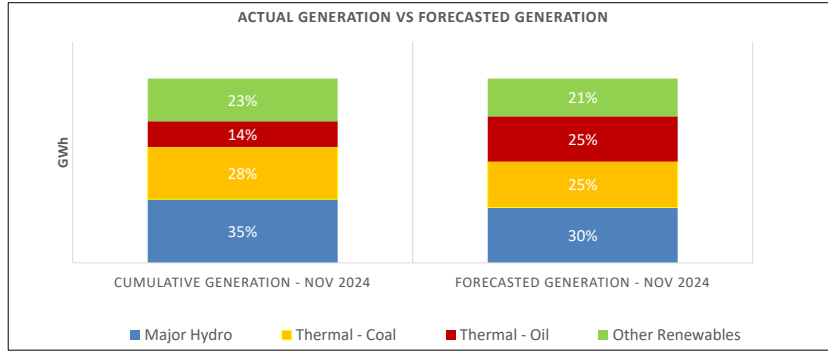
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **805 Mn LKR**

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

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.8	40%
Thermal - Coal	13.0	33%
Thermal - Furnace Oil	0.7	2%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.4	9%
Wind - CEB	0.6	1%
Wind - IPP	0.5	1%
BMP	0.5	1.3%
Solar	0.6	1%
Mini Hydro	4.7	12%
<b>Total</b>	<b>39.77</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **754 Mn LKR**





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	349	408
Thermal - Coal	286	338
Thermal - Oil	142	333
Other Renewables	234	278
<b>Total</b>	<b>1012</b>	<b>1357</b>

Forecasted Generation - SDDP Nov 2024

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

Major Hydro	898 Mn LKR
Thermal - Coal	6,983 Mn LKR
Thermal - Furnace Oil	5,502 Mn LKR
Thermal - Diesel	497 Mn LKR
Thermal - Naphtha	2,438 Mn LKR
Wind - CEB	496 Mn LKR
Wind - IPP	120 Mn LKR
Solar - IPP - Ground Mounted	280 Mn LKR
Solar - Roof Top	1,588 Mn LKR
Mini Hydro	1,742 Mn LKR
Municipal Solid Waste	405 Mn LKR
<b>Total Generation Cost</b>	<b>20,948 Mn LKR</b>

Generation Energy Cost (Nov)	15,725 Mn LKR
*Generation Capacity Cost (Nov)	4,190 Mn LKR
Other Cost (Nov)	955 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>20.70 LKR/kWh</b>

Note -

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