



# Daily Electricity Generation & Cost Estimation Report

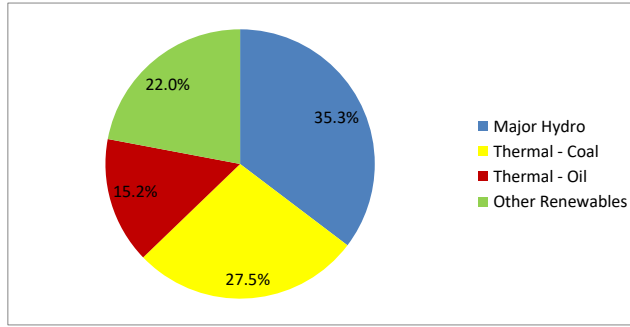
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21st November 2024



**Daily Generation Mix -21st Nov 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.77	35.3%
Thermal - Coal	13.05	27.5%
Thermal - Furnace Oil	3.52	7.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.68	7.8%
Wind - CEB	0.64	1.3%
Wind - IPP	0.41	0.9%
Solar - IPP - Ground Mounted	0.49	1.0%
Solar - Roof Top	2.77	5.8%
Mini Hydro	5.67	11.9%
Municipal Solid Waste	0.48	1.0%
<b>Total</b>	<b>47.47</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 : 21st 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	2.33	2.33
Thermal - Coal	244.5	28.4	46.3	319.2	18.74	2.17	3.55	24.47
Thermal - Furnace Oil	157.0	9.7	51.9	218.6	44.60	2.75	14.76	62.11
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	164.7	2.0	3.3	170.0	44.74	0.54	0.90	46.17
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	33.85	33.85
Wind - IPP	6.7	0.0	0.0	6.7	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	9.6	0.0	0.0	9.6	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	77.1	0.0	0.0	77.1	13.59	0.00	0.00	13.59
Municipal Solid Waste	18.6	0.0	0.0	18.6	39.00	0.00	0.00	39.00
<b>Total</b>	<b>747.2</b>	<b>41.5</b>	<b>182.2</b>	<b>970.9</b>	<b>15.74</b>	<b>0.88</b>	<b>3.84</b>	<b>20.45</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 : **20.45 LKR/kWh**  
 Total Generation Cost for the day: **970.90 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 - 21st Nov 2024 (Excluding generation from non telemetered power plants)**

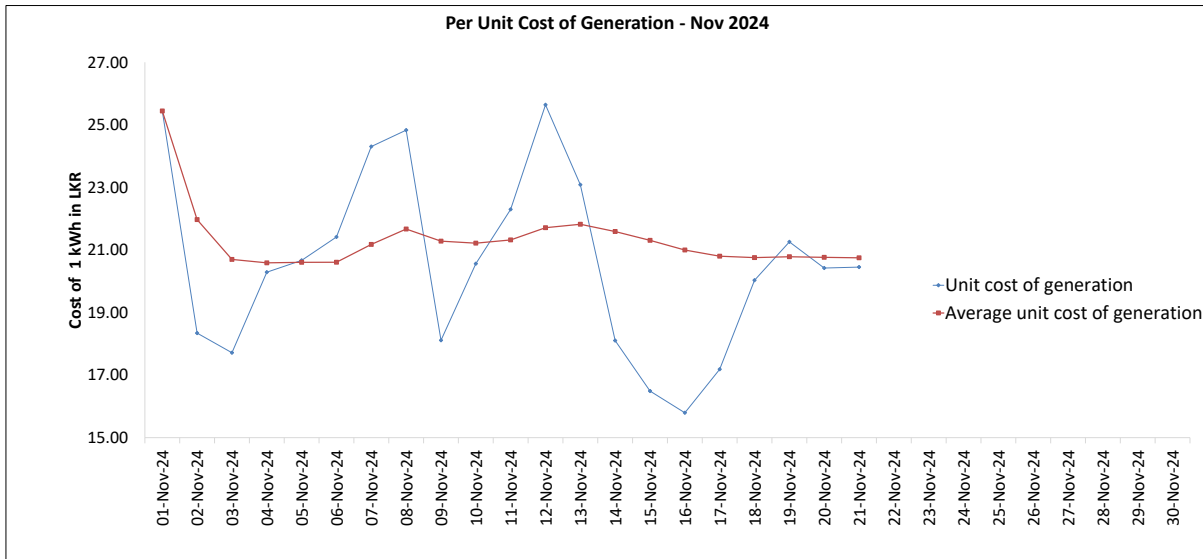
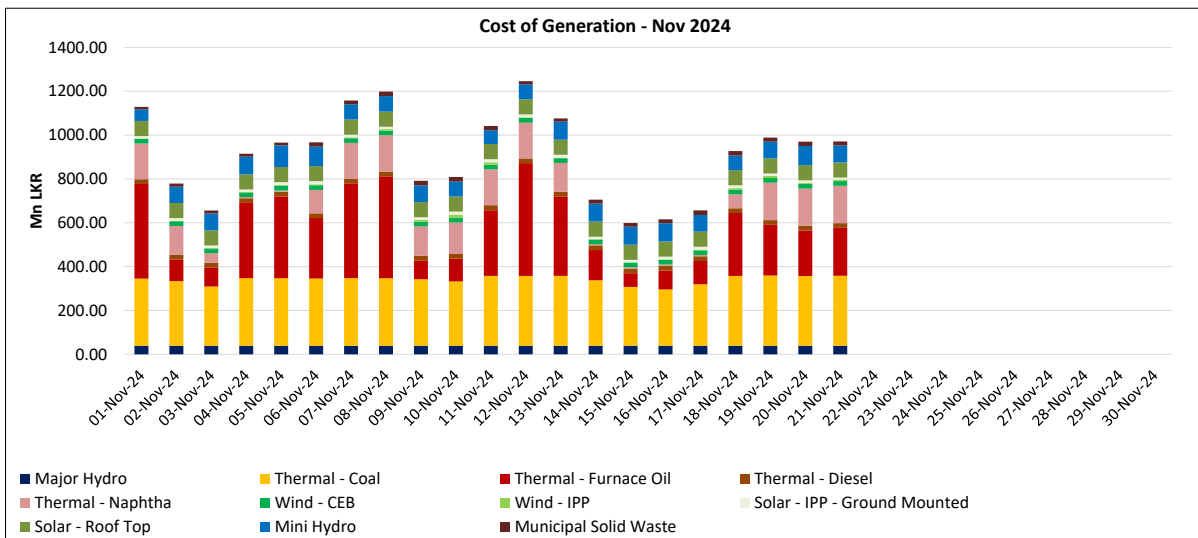
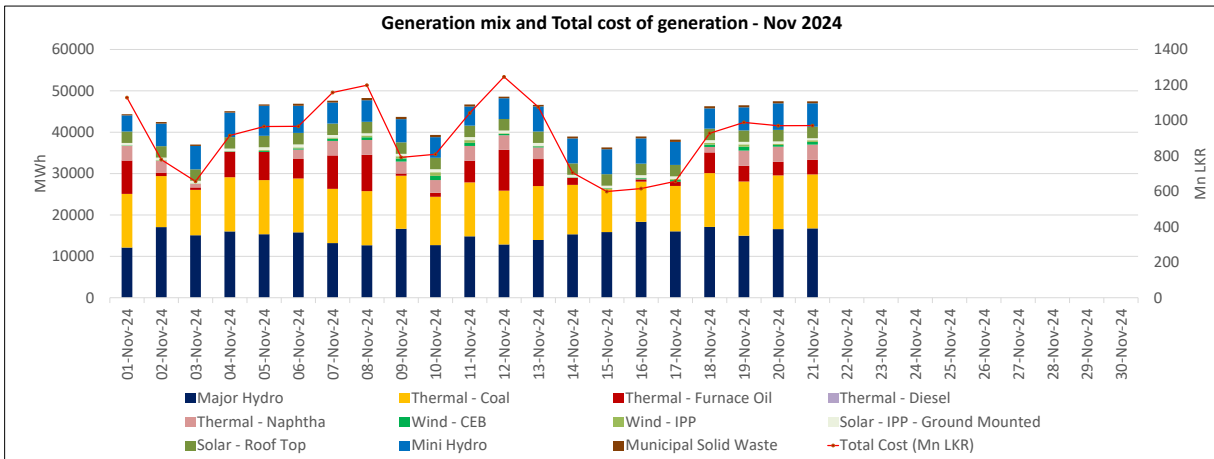
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.0	37%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	3.6	8%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.9	2%
Wind - IPP		
BMP	0.5	1%
Solar	0.4	1%
Mini Hydro	4.9	11%
<b>Total</b>	<b>42.95</b>	

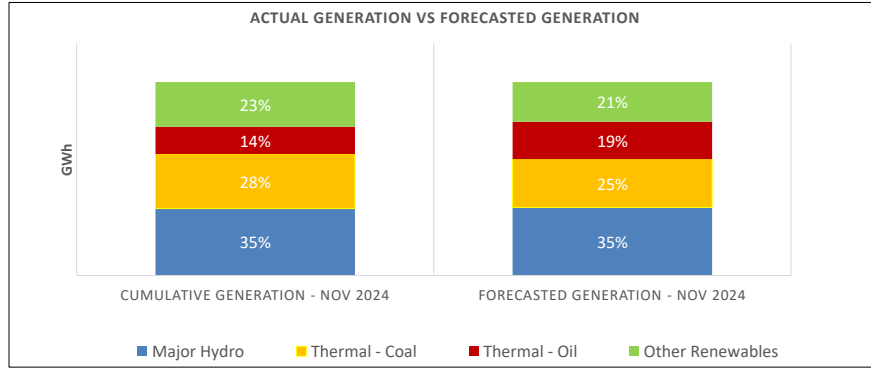
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **892 Mn LKR**

**Actual Generation Mix - 21st Nov 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.8	38%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	3.5	8%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.7	8%
Wind - CEB	0.6	1%
Wind - IPP	0.4	1%
BMP	0.5	1.1%
Solar	0.5	1%
Mini Hydro	5.4	12%
<b>Total</b>	<b>44.38</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **898 Mn LKR**





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	319	478
Thermal - Coal	260	338
Thermal - Oil	131	263
Other Renewables	213	278
<b>Total</b>	<b>924</b>	<b>1357</b>

Forecasted Generation - SDDP Oct 2024

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

Major Hydro	820 Mn LKR
Thermal - Coal	6,346 Mn LKR
Thermal - Furnace Oil	5,208 Mn LKR
Thermal - Diesel	454 Mn LKR
Thermal - Naphtha	2,113 Mn LKR
Wind - CEB	453 Mn LKR
Wind - IPP	100 Mn LKR
Solar - IPP - Ground Mounted	258 Mn LKR
Solar - Roof Top	1,449 Mn LKR
Mini Hydro	1,599 Mn LKR
Municipal Solid Waste	365 Mn LKR
<b>Total Generation Cost</b>	<b>19,164 Mn LKR</b>

Generation Energy Cost (Nov)	14,389 Mn LKR
*Generation Capacity Cost (Nov)	3,826 Mn LKR
Other Cost (Nov)	872 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>20.75 LKR/kWh</b>

Note -

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