



# Daily Electricity Generation & Cost Estimation Report

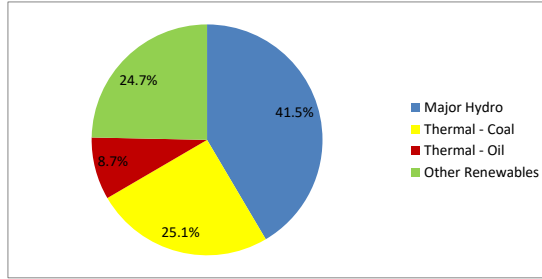
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25th November 2024



**Daily Generation Mix -25th Nov 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	18.77	41.5%
Thermal - Coal	11.34	25.1%
Thermal - Furnace Oil	0.96	2.1%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	2.99	6.6%
Wind - CEB	1.26	2.8%
Wind - IPP	1.06	2.3%
Solar - IPP - Ground Mounted	0.39	0.9%
Solar - Roof Top	2.77	6.1%
Mini Hydro	5.20	11.5%
Municipal Solid Waste	0.48	1.1%
<b>Total</b>	<b>45.21</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 : 25th 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	2.08	2.08
Thermal - Coal	212.6	28.4	46.3	287.3	18.74	2.50	4.09	25.33
Thermal - Furnace Oil	42.2	9.7	51.9	103.8	43.79	10.06	53.94	107.79
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	133.6	2.0	3.3	138.9	44.74	0.66	1.10	46.51
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	17.07	17.07
Wind - IPP	17.1	0.0	0.0	17.1	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	7.6	0.0	0.0	7.6	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	70.6	0.0	0.0	70.6	13.59	0.00	0.00	13.59
Municipal Solid Waste	18.5	0.0	0.0	18.5	39.00	0.00	0.00	39.00
<b>Total</b>	<b>571.3</b>	<b>41.5</b>	<b>182.2</b>	<b>795.0</b>	<b>12.64</b>	<b>0.92</b>	<b>4.03</b>	<b>17.58</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 :

17.58 LKR/kWh

Total Generation Cost for the day:

795.00 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 - 25th Nov 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.7	36%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	3.9	9%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.5	4%
Wind - IPP		
BMP	0.5	1%
Solar	0.4	1%
Mini Hydro	4.7	11%
<b>Total</b>	<b>43.25</b>	

**Actual Generation Mix - 25th Nov 2024 (Excluding generation from non telemetered power plants)**

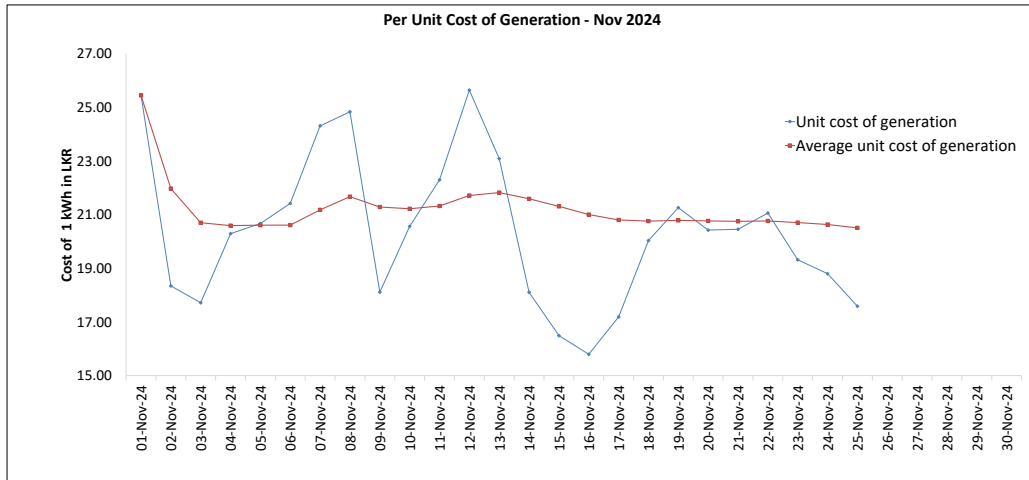
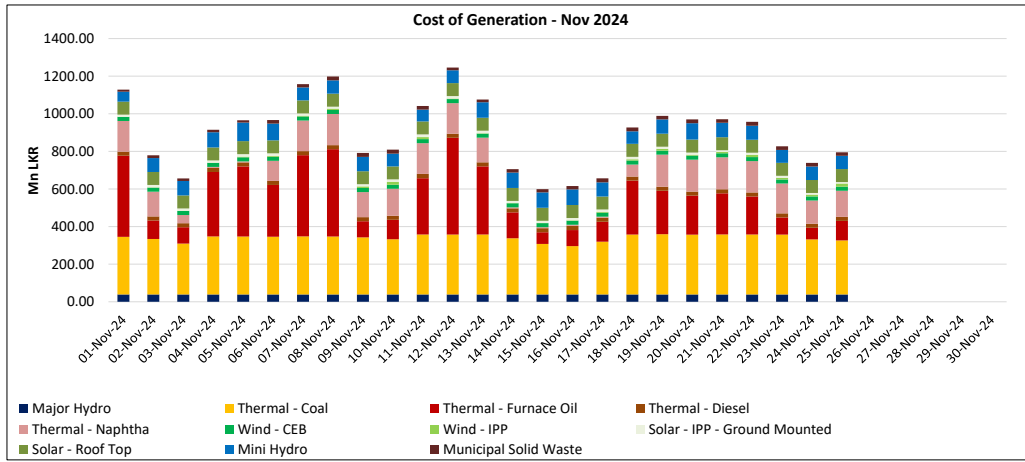
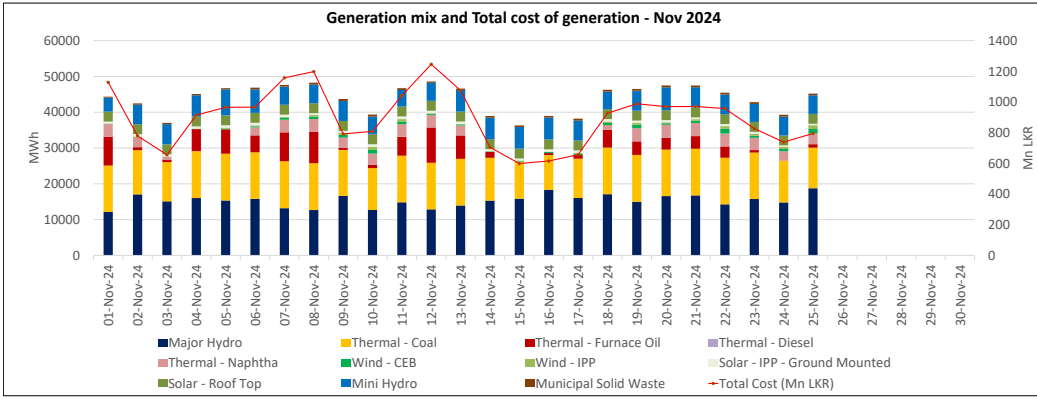
Plant Type	Generation (GWh)	Percentage
Major Hydro	18.8	45%
Thermal - Coal	11.3	27%
Thermal - Furnace Oil	1.0	2%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.0	7%
Wind - CEB	1.3	3%
Wind - IPP	1.1	3%
BMP	0.5	1.1%
Solar	0.4	1%
Mini Hydro	4.9	12%
<b>Total</b>	<b>42.15</b>	

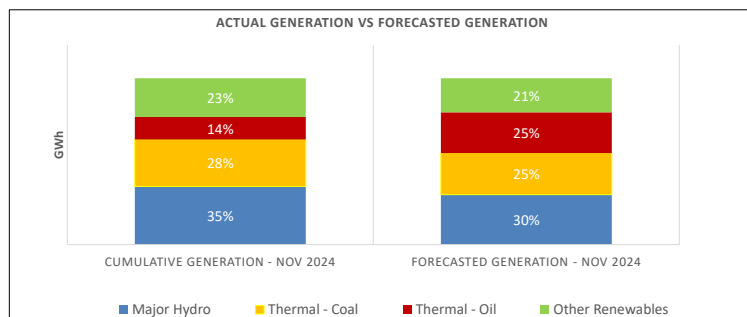
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

905 Mn LKR

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants)

722 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	383	408
Thermal - Coal	309	338
Thermal - Oil	148	333
Other Renewables	256	278
<b>Total</b>	<b>1096</b>	<b>1357</b>

Forecasted Generation - SDDP Nov 2024

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

Major Hydro	977 Mn LKR
Thermal - Coal	7,563 Mn LKR
Thermal - Furnace Oil	5,667 Mn LKR
Thermal - Diesel	540 Mn LKR
Thermal - Naphtha	2,700 Mn LKR
Wind - CEB	539 Mn LKR
Wind - IPP	147 Mn LKR
Solar - IPP - Ground Mounted	297 Mn LKR
Solar - Roof Top	1,726 Mn LKR
Mini Hydro	1,884 Mn LKR
Municipal Solid Waste	443 Mn LKR
<b>Total Generation Cost</b>	<b>22,481 Mn LKR</b>

Generation Energy Cost (Nov)	16,812 Mn LKR
*Generation Capacity Cost (Nov)	4,554 Mn LKR
Other Cost (Nov)	1,039 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>20.50 LKR/kWh</b>

Note -

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