



# Daily Electricity Generation & Cost Estimation Report

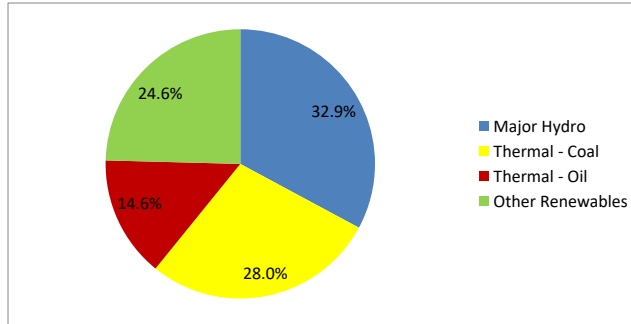
---

5th November 2024



**Daily Generation Mix -5th Nov 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.35	32.9%
Thermal - Coal	13.07	28.0%
Thermal - Furnace Oil	6.81	14.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.23	0.5%
Wind - IPP	0.24	0.5%
Solar - IPP - Ground Mounted	0.68	1.4%
Solar - Roof Top	2.77	5.9%
Mini Hydro	7.26	15.5%
Municipal Solid Waste	0.32	0.7%
<b>Total</b>	<b>46.72</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 : 5th 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	2.54	2.54
Thermal - Coal	233.3	28.4	46.3	308.0	17.85	2.17	3.54	23.56
Thermal - Furnace Oil	311.3	9.7	51.9	373.0	45.72	1.42	7.63	54.77
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	2.0	3.3	5.3	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	95.40	95.40
Wind - IPP	3.8	0.0	0.0	3.8	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	13.2	0.0	0.0	13.2	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	98.6	0.0	0.0	98.6	13.59	0.00	0.00	13.59
Municipal Solid Waste	12.4	0.0	0.0	12.4	39.00	0.00	0.00	39.00
<b>Total</b>	<b>741.8</b>	<b>41.5</b>	<b>182.2</b>	<b>965.5</b>	<b>15.88</b>	<b>0.89</b>	<b>3.90</b>	<b>20.67</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 : **20.67 LKR/kWh**  
 Total Generation Cost for the day: **965.52 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 - 5th Nov 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.7	36%
Thermal - Coal	12.9	30%
Thermal - Furnace Oil	7.0	16%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.1	0%
Wind - IPP		
BMP	0.4	0%
Solar	0.5	1%
Mini Hydro	6.6	15%
<b>Total</b>	<b>43.29</b>	

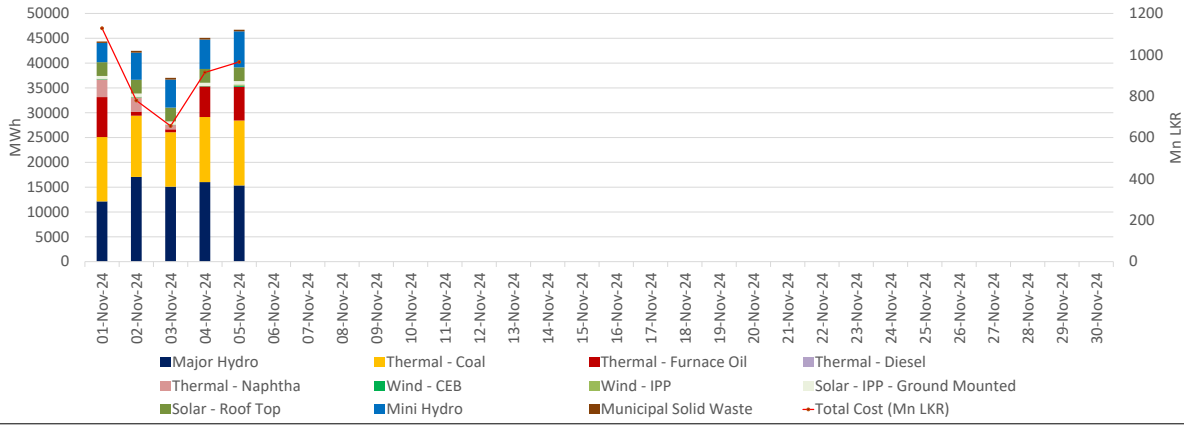
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **891 Mn LKR**

**Actual Generation Mix - 5th Nov 2024 (Excluding generation from non telemetered power plants)**

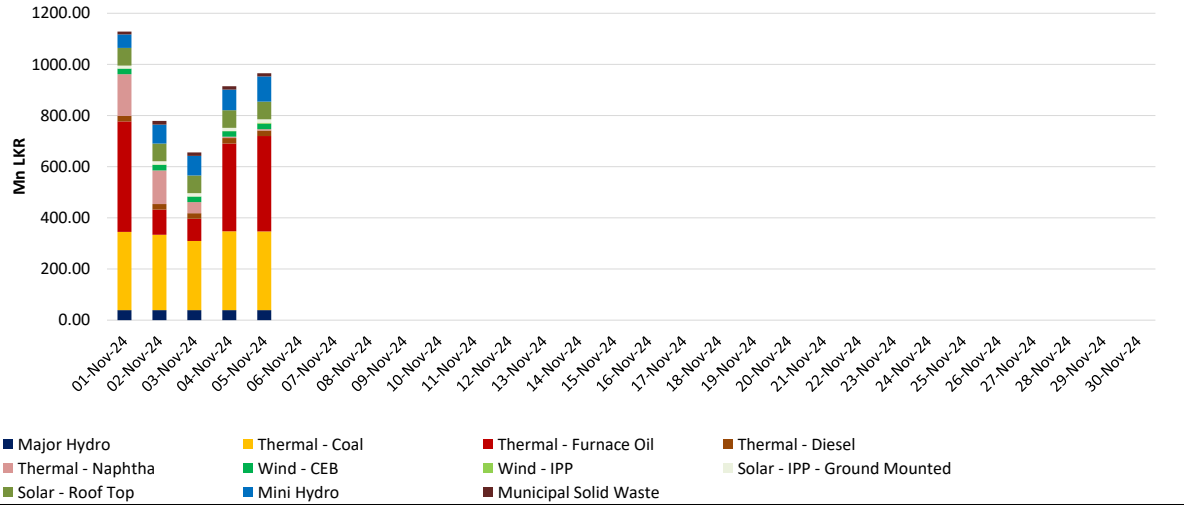
Plant Type	Generation (GWh)	Percentage
Major Hydro	15.4	36%
Thermal - Coal	13.1	31%
Thermal - Furnace Oil	6.8	16%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.2	1%
Wind - IPP	0.2	1%
BMP	0.3	0.7%
Solar	0.7	2%
Mini Hydro	6.1	14%
<b>Total</b>	<b>42.76</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **880 Mn LKR**

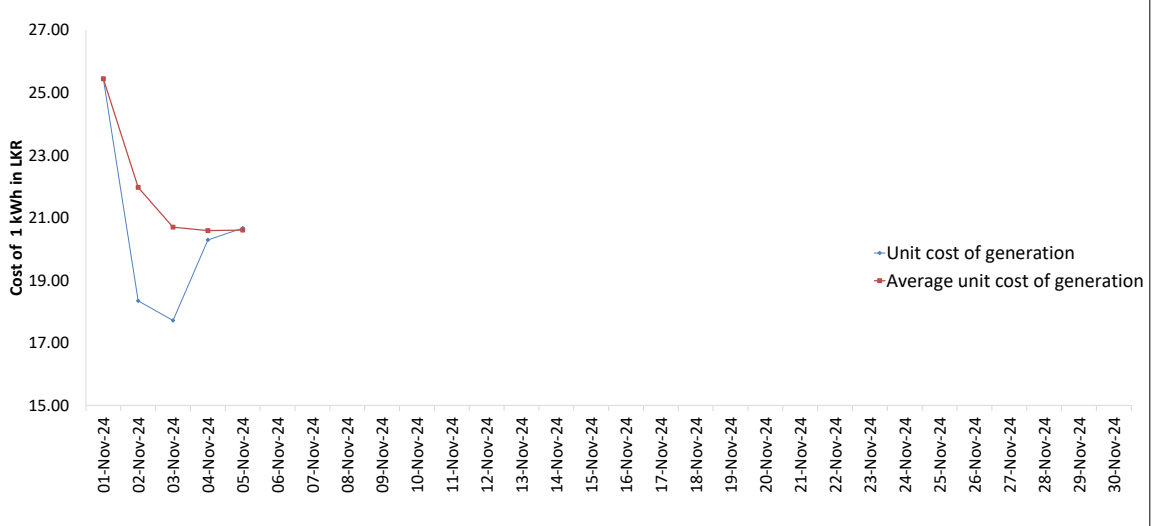
**Generation mix and Total cost of generation - Nov 2024**

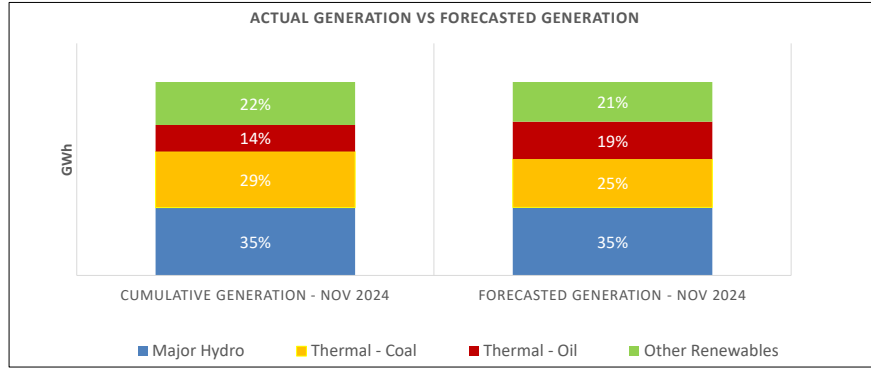


**Cost of Generation - Nov 2024**



**Per Unit Cost of Generation - Nov 2024**





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	76	478
Thermal - Coal	62	338
Thermal - Oil	30	263
Other Renewables	48	278
<b>Total</b>	<b>216</b>	<b>1357</b>

Forecasted Generation - SDDP Oct 2024

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

Major Hydro	195 Mn LKR
Thermal - Coal	1,488 Mn LKR
Thermal - Furnace Oil	1,333 Mn LKR
Thermal - Diesel	107 Mn LKR
Thermal - Naphtha	348 Mn LKR
Wind - CEB	108 Mn LKR
Wind - IPP	9 Mn LKR
Solar - IPP - Ground Mounted	61 Mn LKR
Solar - Roof Top	345 Mn LKR
Mini Hydro	383 Mn LKR
Municipal Solid Waste	65 Mn LKR
<b>Total Generation Cost</b>	<b>4,444 Mn LKR</b>

Generation Energy Cost (Nov)	3,325 Mn LKR
*Generation Capacity Cost (Nov)	911 Mn LKR
Other Cost (Nov)	208 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>20.60 LKR/kWh</b>

Note -

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