



# Daily Electricity Generation & Cost Estimation Report

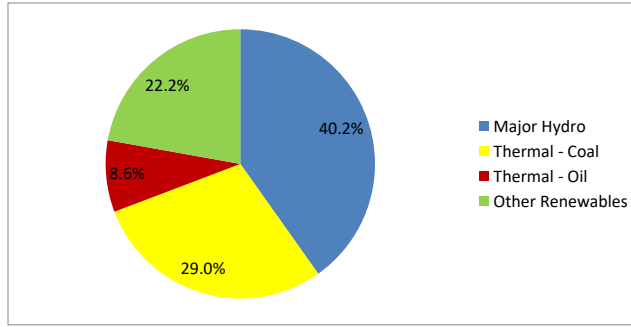
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2nd November 2024



**Daily Generation Mix -2nd Nov 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	17.07	40.2%
Thermal - Coal	12.34	29.0%
Thermal - Furnace Oil	0.83	2.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	2.82	6.6%
Wind - CEB	0.07	0.2%
Wind - IPP	0.11	0.3%
Solar - IPP - Ground Mounted	0.64	1.5%
Solar - Roof Top	2.77	6.5%
Mini Hydro	5.46	12.9%
Municipal Solid Waste	0.37	0.9%
<b>Total</b>	<b>42.47</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 : 2nd 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	2.29	2.29
Thermal - Coal	220.1	28.4	46.3	294.8	17.85	2.30	3.76	23.90
Thermal - Furnace Oil	37.0	9.7	51.9	98.6	44.44	11.65	62.43	118.51
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	126.2	2.0	3.3	131.4	44.74	0.70	1.17	46.61
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	331.71	331.71
Wind - IPP	1.8	0.0	0.0	1.8	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	12.6	0.0	0.0	12.6	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	74.2	0.0	0.0	74.2	13.59	0.00	0.00	13.59
Municipal Solid Waste	14.5	0.0	0.0	14.5	39.00	0.00	0.00	39.00
<b>Total</b>	<b>555.3</b>	<b>41.5</b>	<b>182.2</b>	<b>779.1</b>	<b>13.07</b>	<b>0.98</b>	<b>4.29</b>	<b>18.34</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 : **18.34 LKR/kWh**  
 Total Generation Cost for the day : **779.05 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 - 2nd Nov 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.2	31%
Thermal - Coal	12.9	33%
Thermal - Furnace Oil	6.3	16%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB	0.1	0%
Wind - IPP		
BMP	0.3	0%
Solar	0.5	1%
Mini Hydro	3.4	9%
<b>Total</b>	<b>39.35</b>	

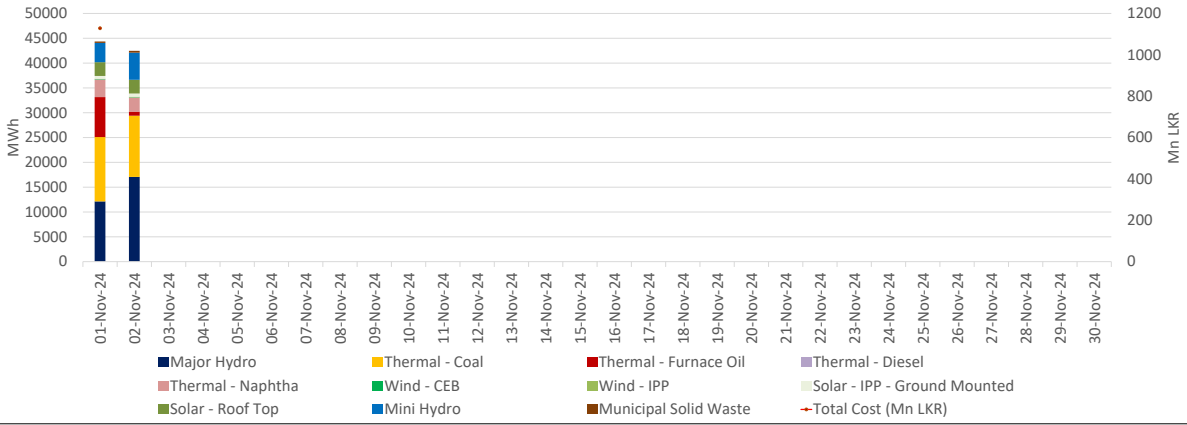
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **971 Mn LKR**

**Actual Generation Mix - 2nd Nov 2024 (Excluding generation from non telemetered power plants)**

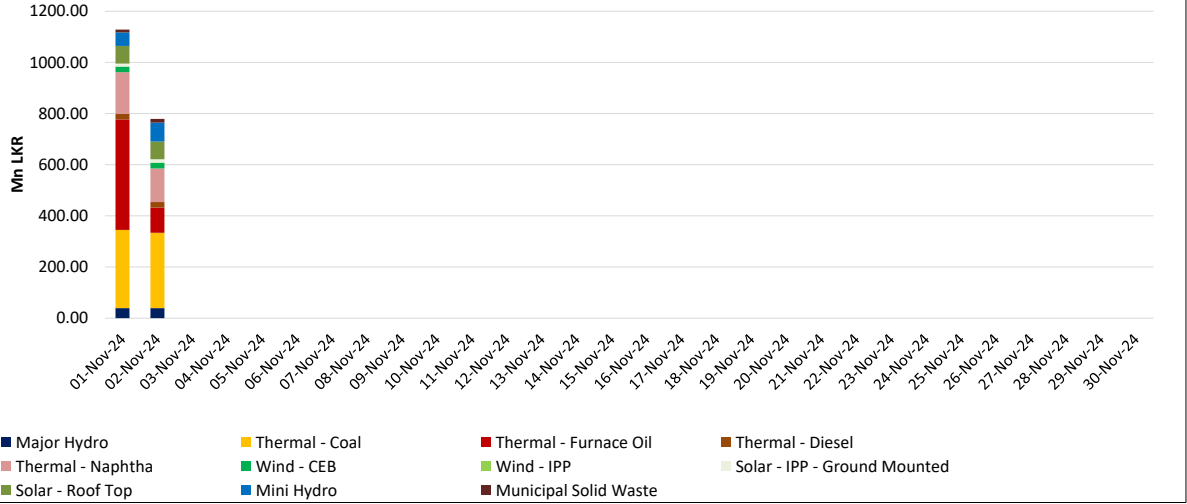
Plant Type	Generation (GWh)	Percentage
Major Hydro	17.1	43%
Thermal - Coal	12.3	31%
Thermal - Furnace Oil	0.8	2%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	2.8	7%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.4	0.9%
Solar	0.6	2%
Mini Hydro	5.2	13%
<b>Total</b>	<b>39.39</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **706 Mn LKR**

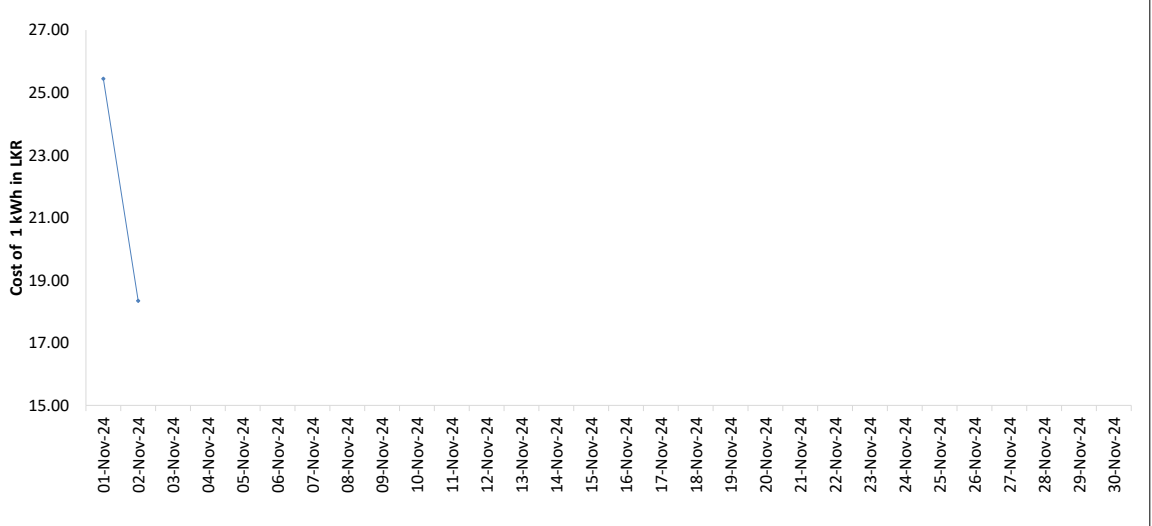
**Generation mix and Total cost of generation - Nov 2024**

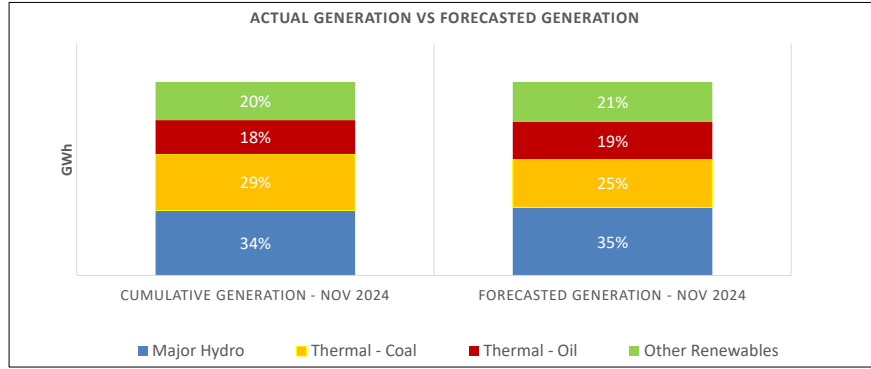


**Cost of Generation - Nov 2024**



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





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	29	478
Thermal - Coal	25	338
Thermal - Oil	15	263
Other Renewables	17	278
<b>Total</b>	<b>87</b>	<b>1357</b>

Forecasted Generation - SDDP Oct 2024

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

Major Hydro	78 Mn LKR
Thermal - Coal	601 Mn LKR
Thermal - Furnace Oil	530 Mn LKR
Thermal - Diesel	43 Mn LKR
Thermal - Naphtha	294 Mn LKR
Wind - CEB	43 Mn LKR
Wind - IPP	3 Mn LKR
Solar - IPP - Ground Mounted	23 Mn LKR
Solar - Roof Top	138 Mn LKR
Mini Hydro	127 Mn LKR
Municipal Solid Waste	26 Mn LKR
<b>Total Generation Cost</b>	<b>1,908 Mn LKR</b>

Generation Energy Cost (Nov)	1,460 Mn LKR
*Generation Capacity Cost (Nov)	364 Mn LKR
Other Cost (Nov)	83 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>21.97 LKR/kWh</b>

Note -

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