



# Daily Electricity Generation & Cost Estimation Report

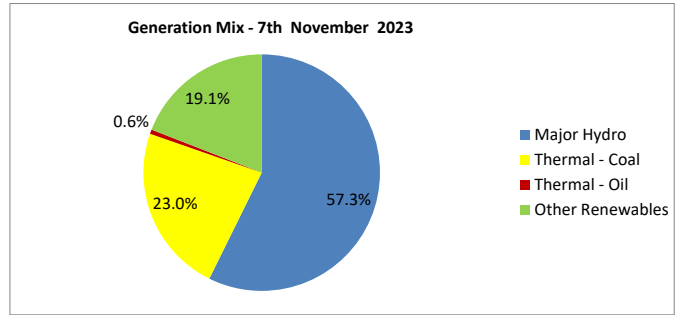
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7th November 2023



**Daily Generation Mix - 7th November 2023**

Plant Type	Generation (GWh)	Percentage
Major Hydro	23.38	57.3%
Thermal - Coal	9.39	23.0%
Thermal - Furnace Oil	0.24	0.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.26	0.6%
Wind - IPP	0.15	0.4%
Solar - IPP - Ground Mounted	0.57	1.4%
Solar - Roof Top	1.64	4.0%
Mini Hydro	4.87	11.9%
Municipal Solid Waste	0.29	0.7%
<b>Total</b>	<b>40.80</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 : 7th November 2023**

Plant Type	Energy Cost (LKR Mn)	Non Fuel Energy Cost (LKR Mn)	Capacity Cost (LKR Mn)	Total Cost of Generation (LKR Mn)	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	61.6	61.6	0.00	0.00	2.63	2.63
Thermal - Coal	206.6	8.5	68.3	283.3	22.00	0.90	7.27	30.16
Thermal - Furnace Oil	11.0	6.2	61.6	78.8	45.62	25.55	254.48	325.65
Thermal - Diesel	0.0	1.9	15.3	17.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.2	5.5	6.7	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	6.1	6.1	0.00	0.00	23.85	23.85
Wind - IPP	2.1	0.0	0.0	2.1	13.99	0.00	0.00	13.99
Solar - IPP - Ground Mounted	11.1	0.0	0.0	11.1	19.43	0.00	0.00	19.43
Solar - Roof Top	39.3	0.0	0.0	39.3	23.99	0.00	0.00	23.99
Mini Hydro	66.6	0.0	0.0	66.6	13.67	0.00	0.00	13.67
Municipal Solid Waste	10.2	0.0	0.0	10.2	34.58	0.00	0.00	34.58
<b>Total</b>	<b>346.9</b>	<b>17.7</b>	<b>218.4</b>	<b>583.0</b>	<b>8.50</b>	<b>0.43</b>	<b>5.35</b>	<b>14.29</b>

Note -

Start/Stop costs has been excluded in the calculation

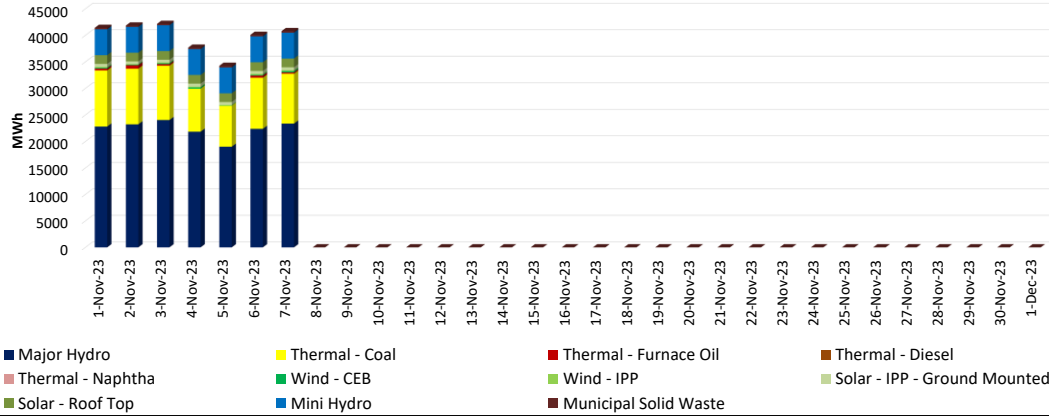
Unit Cost of Generation for the day : **14.29** LKR/kWh  
 Total Generation Cost for the day: **583.0** Mn LKR

**Fuel Prices**

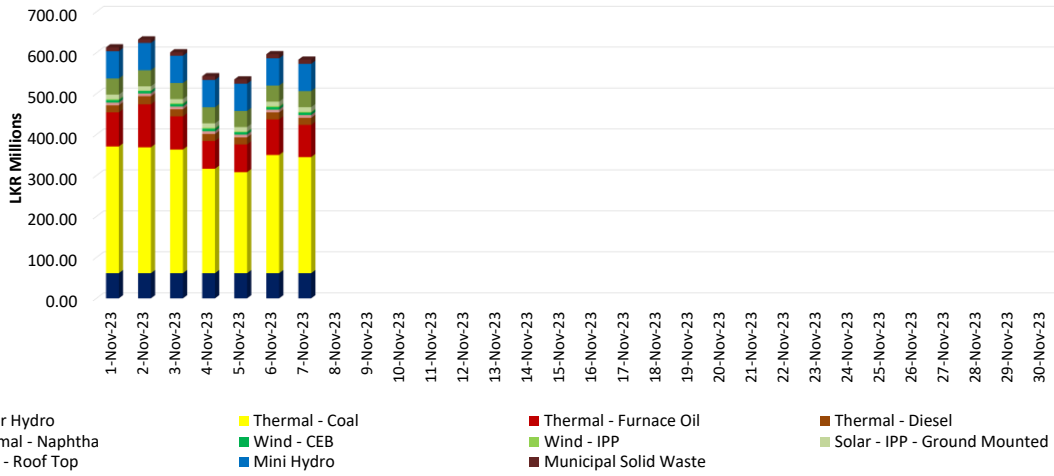
( as at 1st Nov 2023)

	Price (LKR/Liter or LKR/kg)
Furnace	205.00
Coal	53.58
Naphtha	161.00
Auto Diesel	356.00

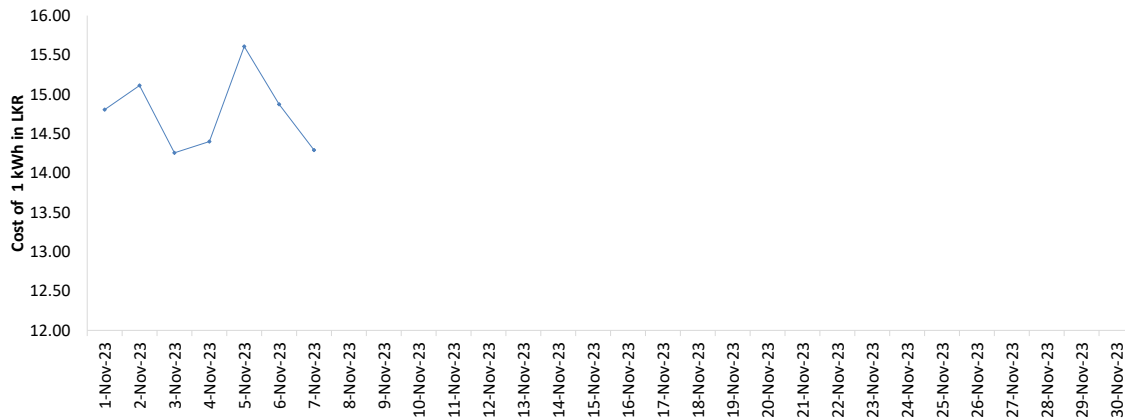
Generation Mix -November 2023

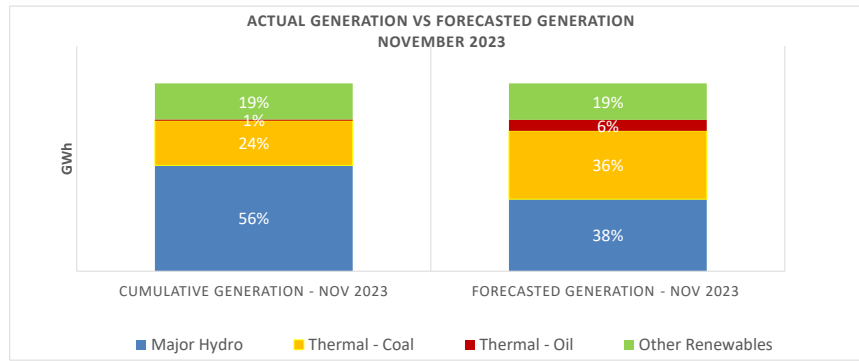


Cost of Generation -November 2023



Per Unit Cost of Generation - November 2023





	Cumulative Generation - November 2023 [GWh]	Forecasted Generation - November 2023 [GWh]
Major Hydro	157	477
Thermal - Coal	66	452
Thermal - Oil	2	73
Other Renewables	53	241
<b>Total</b>	<b>278</b>	<b>1242</b>

Forecasted Generation - SDDP November 2023

**Estimated Cost of Generation - November 2023 ( Mn LKR)**

Major Hydro	430.95 Mn LKR
Thermal - Coal	1992.00 Mn LKR
Thermal - Furnace Oil	570.66 Mn LKR
Thermal - Diesel	123.03 Mn LKR
Thermal - Naphtha	46.90 Mn LKR
Wind - CEB	42.91 Mn LKR
Wind - IPP	13.33 Mn LKR
Solar - IPP - Ground Mounted	75.74 Mn LKR
Solar - Roof Top	275.40 Mn LKR
Mini Hydro	466.01 Mn LKR
Municipal Solid Waste	65.87 Mn LKR
<b>Total Generation Cost (Nov)</b>	<b>4,102.80 Mn LKR</b>
<b>Average Unit Cost of Generation (Nov)</b>	<b>14.75 LKR/kWh</b>