



# Daily Electricity Generation & Cost Estimation Report

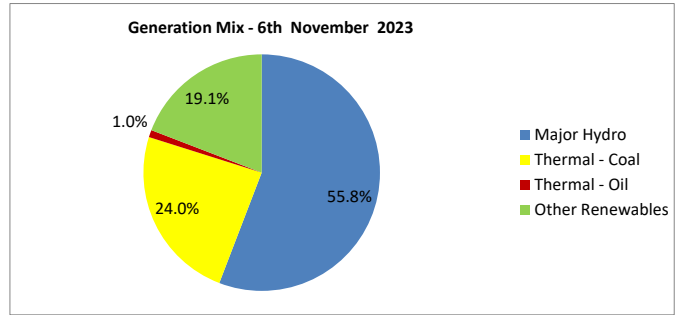
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6th November 2023



**Daily Generation Mix - 6th November 2023**

Plant Type	Generation (GWh)	Percentage
Major Hydro	22.39	55.8%
Thermal - Coal	9.63	24.0%
Thermal - Furnace Oil	0.40	1.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.14	0.4%
Wind - IPP	0.18	0.5%
Solar - IPP - Ground Mounted	0.56	1.4%
Solar - Roof Top	1.64	4.1%
Mini Hydro	4.87	12.1%
Municipal Solid Waste	0.29	0.7%
<b>Total</b>	<b>40.09</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 : 6th 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	2.75	2.75
Thermal - Coal	211.9	8.5	68.3	288.6	22.00	0.88	7.09	29.96
Thermal - Furnace Oil	19.1	6.2	61.6	86.9	48.18	15.57	155.12	218.87
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	43.47	43.47
Wind - IPP	2.5	0.0	0.0	2.5	13.99	0.00	0.00	13.99
Solar - IPP - Ground Mounted	10.8	0.0	0.0	10.8	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	9.9	0.0	0.0	9.9	34.58	0.00	0.00	34.58
<b>Total</b>	<b>360.2</b>	<b>17.7</b>	<b>218.4</b>	<b>596.3</b>	<b>8.98</b>	<b>0.44</b>	<b>5.45</b>	<b>14.87</b>

Note -

Start/Stop costs has been excluded in the calculation

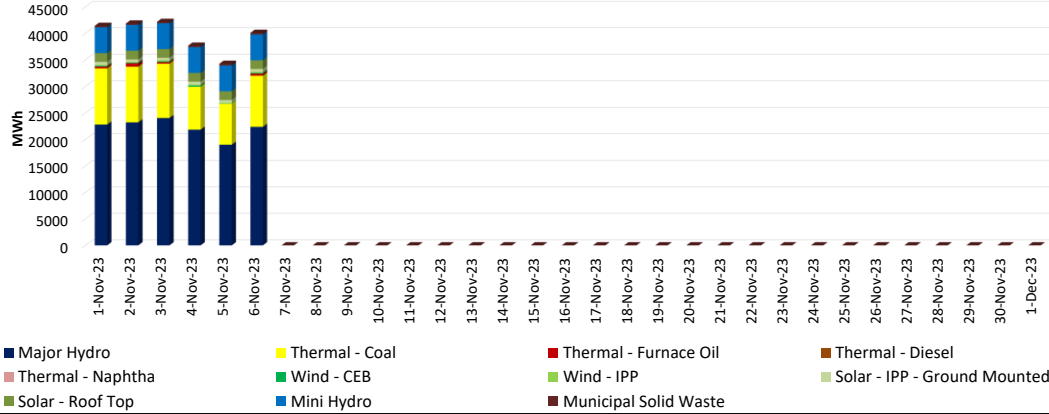
Unit Cost of Generation for the day : **14.87** LKR/kWh  
 Total Generation Cost for the day: **596.3** Mn LKR

**Fuel Prices**

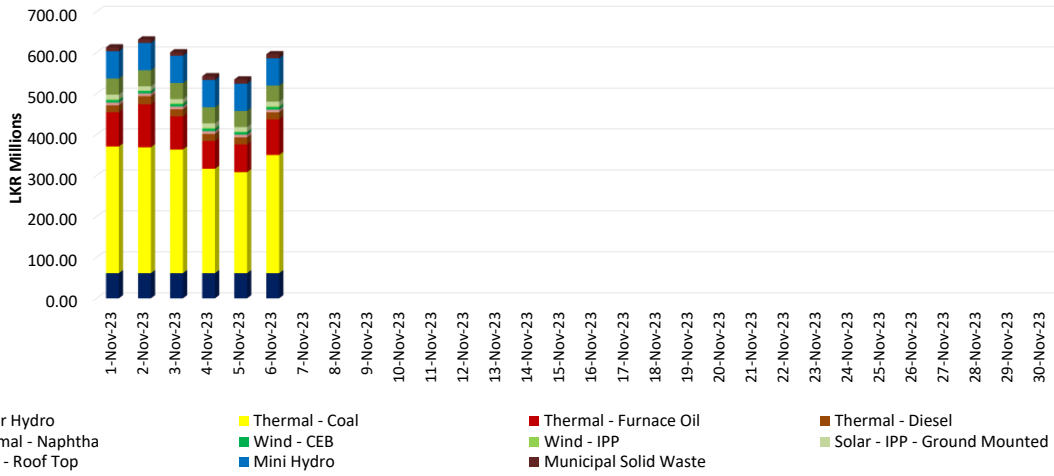
( as at 1st Nov 2023)

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

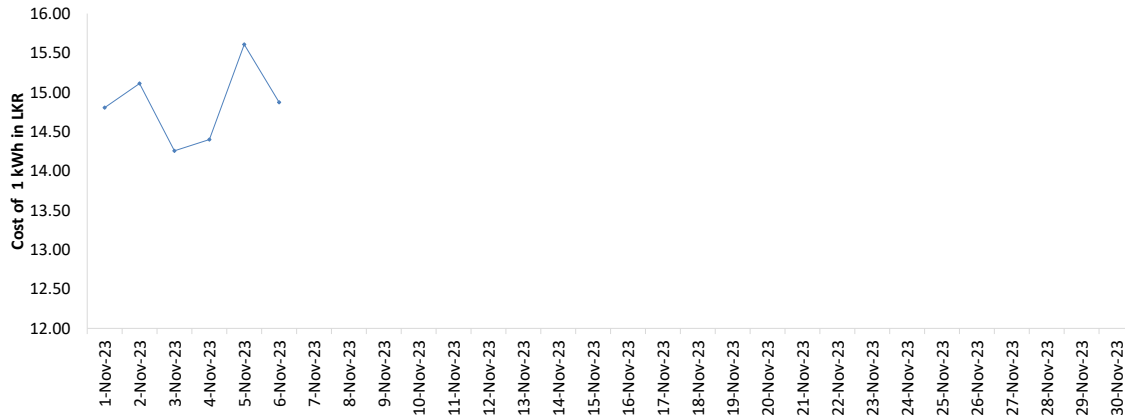
Generation Mix -November 2023

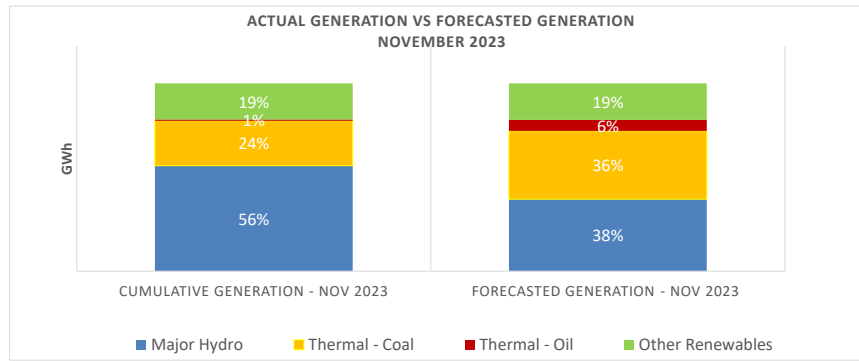


Cost of Generation -November 2023



Per Unit Cost of Generation - November 2023





	Cumulative Generation - November 2023 [GWh]	Forecasted Generation - November 2023 [GWh]
Major Hydro	133	477
Thermal - Coal	57	452
Thermal - Oil	2	73
Other Renewables	46	241
<b>Total</b>	<b>237</b>	<b>1242</b>

Forecasted Generation - SDDP November 2023

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

Major Hydro	369.39 Mn LKR
Thermal - Coal	1708.66 Mn LKR
Thermal - Furnace Oil	491.85 Mn LKR
Thermal - Diesel	105.84 Mn LKR
Thermal - Naphtha	40.20 Mn LKR
Wind - CEB	36.78 Mn LKR
Wind - IPP	11.19 Mn LKR
Solar - IPP - Ground Mounted	64.68 Mn LKR
Solar - Roof Top	236.06 Mn LKR
Mini Hydro	399.44 Mn LKR
Municipal Solid Waste	55.70 Mn LKR
<b>Total Generation Cost (Nov)</b>	<b>3,519.79 Mn LKR</b>
<b>Average Unit Cost of Generation (Nov)</b>	<b>14.82 LKR/kWh</b>