



# Daily Electricity Generation & Cost Estimation Report

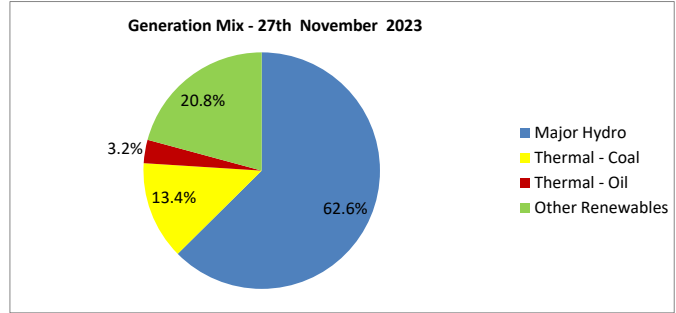
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27th November 2023



**Daily Generation Mix - 27th November 2023**

Plant Type	Generation (GWh)	Percentage
<b>Major Hydro</b>	26.33	62.6%
Thermal - Coal	5.65	13.4%
Thermal - Furnace Oil	1.35	3.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.67	1.6%
Wind - IPP	0.64	1.5%
Solar - IPP - Ground Mounted	0.49	1.2%
Solar - Roof Top	1.64	3.9%
Mini Hydro	4.87	11.6%
Municipal Solid Waste	0.44	1.1%
<b>Total</b>	<b>42.08</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 : 27th 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)
<b>Major Hydro</b>	0.0	0.0	61.6	61.6	0.00	0.00	2.34	2.34
Thermal - Coal	124.3	8.5	68.3	201.0	22.00	1.50	12.08	35.57
Thermal - Furnace Oil	67.8	6.2	61.6	135.6	50.42	4.60	45.79	100.80
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	9.15	9.15
Wind - IPP	8.9	0.0	0.0	8.9	13.95	0.00	0.00	13.95
Solar - IPP - Ground Mounted	9.4	0.0	0.0	9.4	19.02	0.00	0.00	19.02
Solar - Roof Top	40.0	0.0	0.0	40.0	24.41	0.00	0.00	24.41
Mini Hydro	69.5	0.0	0.0	69.5	14.28	0.00	0.00	14.28
Municipal Solid Waste	15.3	0.0	0.0	15.3	34.58	0.00	0.00	34.58
<b>Total</b>	<b>335.2</b>	<b>17.7</b>	<b>218.4</b>	<b>571.3</b>	<b>7.97</b>	<b>0.42</b>	<b>5.19</b>	<b>13.58</b>

Note -

Start/Stop costs has been excluded in the calculation

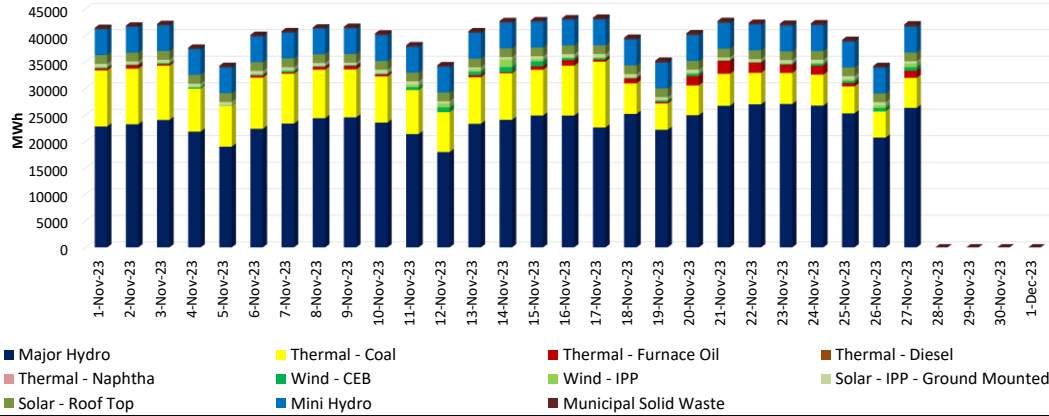
Unit Cost of Generation for the day : **13.58** LKR/kWh  
 Total Generation Cost for the day: **571.3** Mn LKR

**Fuel Prices**

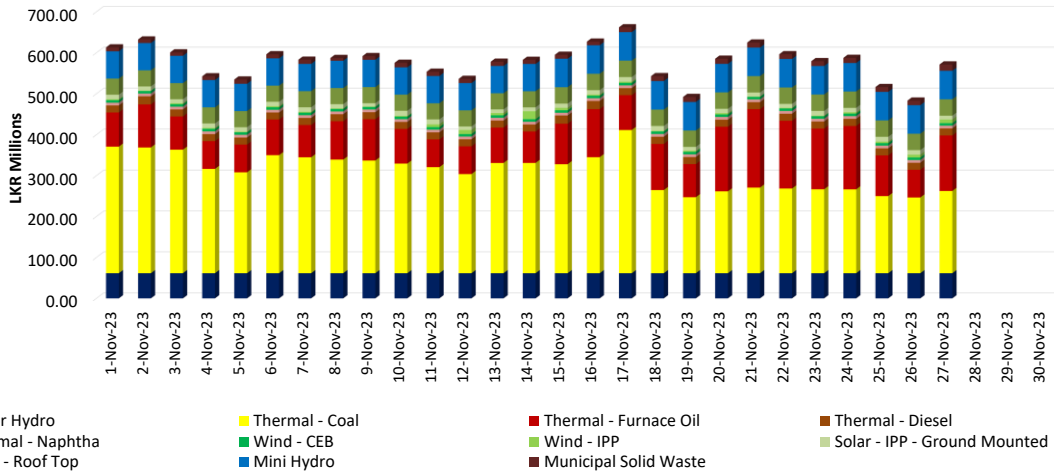
( as at 1st Nov 2023)

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

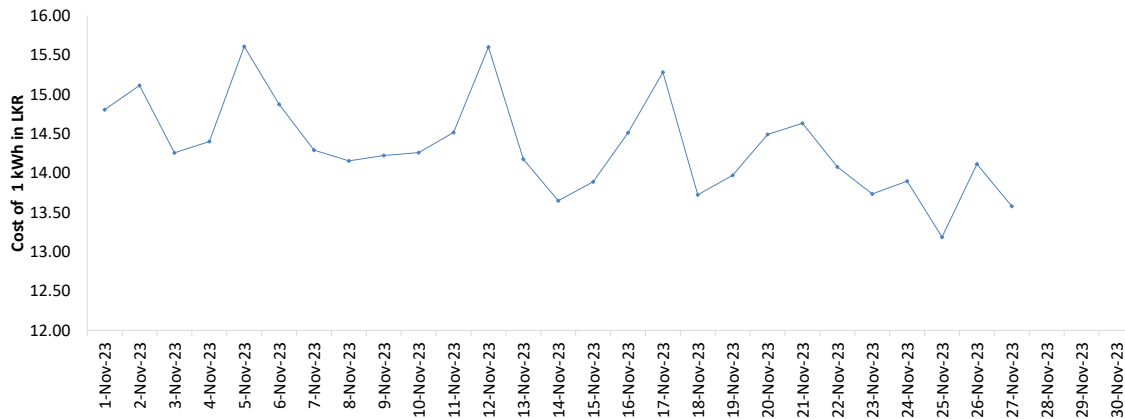
Generation Mix - November 2023

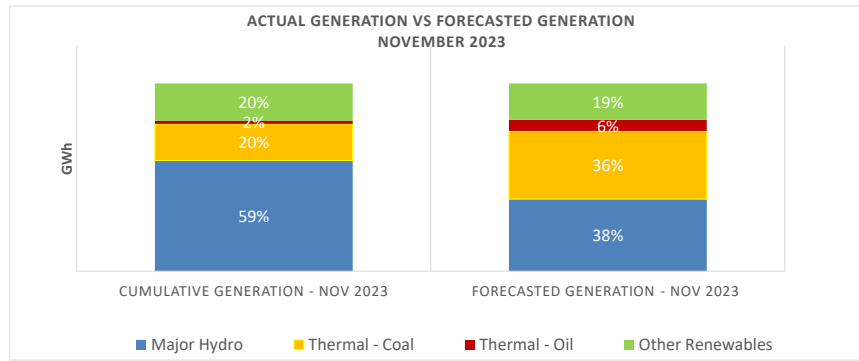


Cost of Generation - November 2023



Per Unit Cost of Generation - November 2023





	Cumulative Generation - November 2023 [GWh]	Forecasted Generation - November 2023 [GWh]
Major Hydro	641	477
Thermal - Coal	212	452
Thermal - Oil	19	73
Other Renewables	216	241
<b>Total</b>	<b>1087</b>	<b>1242</b>

Forecasted Generation - SDDP November 2023

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

Major Hydro	1662.25 Mn LKR
Thermal - Coal	6743.55 Mn LKR
Thermal - Furnace Oil	2763.21 Mn LKR
Thermal - Diesel	473.34 Mn LKR
Thermal - Naphtha	180.91 Mn LKR
Wind - CEB	165.50 Mn LKR
Wind - IPP	102.88 Mn LKR
Solar - IPP - Ground Mounted	286.57 Mn LKR
Solar - Roof Top	1071.32 Mn LKR
Mini Hydro	1836.10 Mn LKR
Municipal Solid Waste	286.30 Mn LKR
<b>Total Generation Cost (Nov)</b>	<b>15,571.93 Mn LKR</b>
Average Unit Cost of Generation (Nov)	14.32 LKR/kWh