



# Daily Electricity Generation & Cost Report

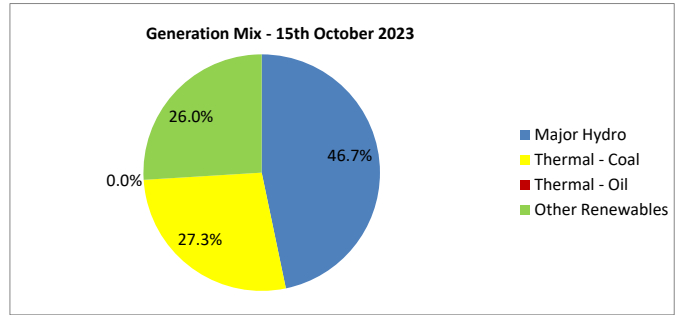
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15th October 2023



**Daily Generation Mix - 15th October 2023**

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.39	46.7%
Thermal - Coal	9.58	27.3%
Thermal - Furnace Oil	0.00	0.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.75	2.1%
Wind - IPP	0.77	2.2%
Solar - IPP - Ground Mounted	0.58	1.7%
Solar - Roof Top	1.93	5.5%
Mini Hydro	4.86	13.9%
Municipal Solid Waste	0.23	0.6%
<b>Total</b>	<b>35.09</b>	



Note - Estimated generation from roof top solar, non-telemetered solar and mini hydro plants has been included in the above figures

**Estimated Cost of Generation : 15th October 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	43.6	43.6	0.00	0.00	2.66	2.66
Thermal - Coal	200.6	8.2	66.1	274.8	20.94	0.85	6.90	28.69
Thermal - Furnace Oil	0.0	6.0	55.3	61.3	49.88	5982.57	55262.10	61294.55
Thermal - Diesel	0.0	1.8	14.8	16.6	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.2	5.3	6.5	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	5.9	5.9	0.00	0.00	7.93	7.93
Wind - IPP	10.7	0.0	0.0	10.7	13.99	0.00	0.00	13.99
Solar - IPP - Ground Mounted	11.3	0.0	0.0	11.3	19.43	0.00	0.00	19.43
Solar - Roof Top	46.3	0.0	0.0	46.3	23.99	0.00	0.00	23.99
Mini Hydro	66.4	0.0	0.0	66.4	13.67	0.00	0.00	13.67
Municipal Solid Waste	7.8	0.0	0.0	7.8	34.58	0.00	0.00	34.58
<b>Total</b>	<b>343.2</b>	<b>17.1</b>	<b>191.0</b>	<b>551.4</b>	<b>9.78</b>	<b>0.49</b>	<b>5.44</b>	<b>15.71</b>

Note -

Start/Stop costs has been excluded in the calculation

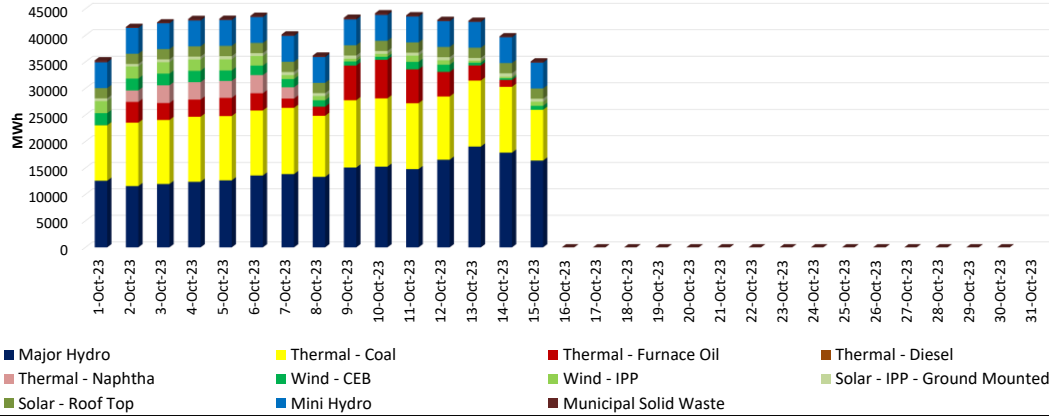
Unit Cost of Generation for the day : **15.71** LKR/kWh  
 Total Generation Cost for the day: **551.4** Mn LKR

**Fuel Prices**

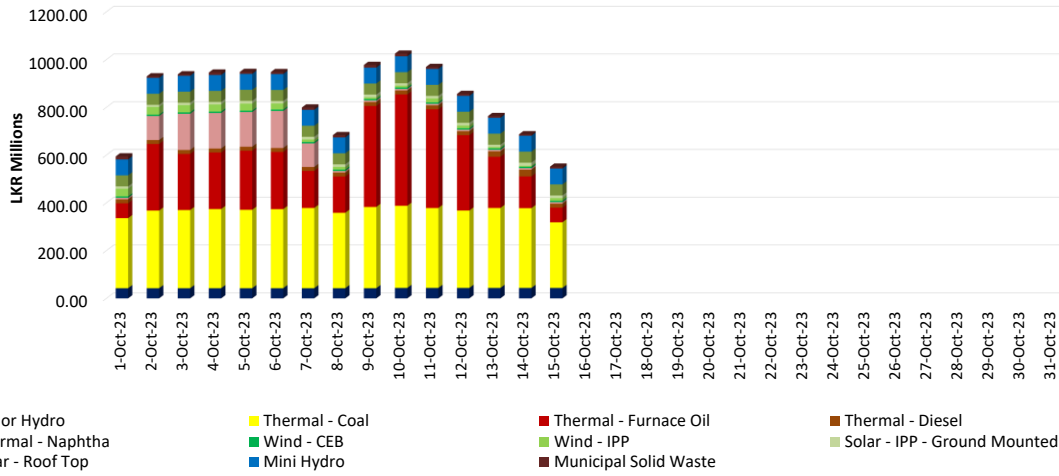
( as at 2nd Oct 2023)

	Price (LKR/Liter or LKR/kg)
Furnace	240.00
Coal	51.00
Naphtha	161.00
Auto Diesel	351.00

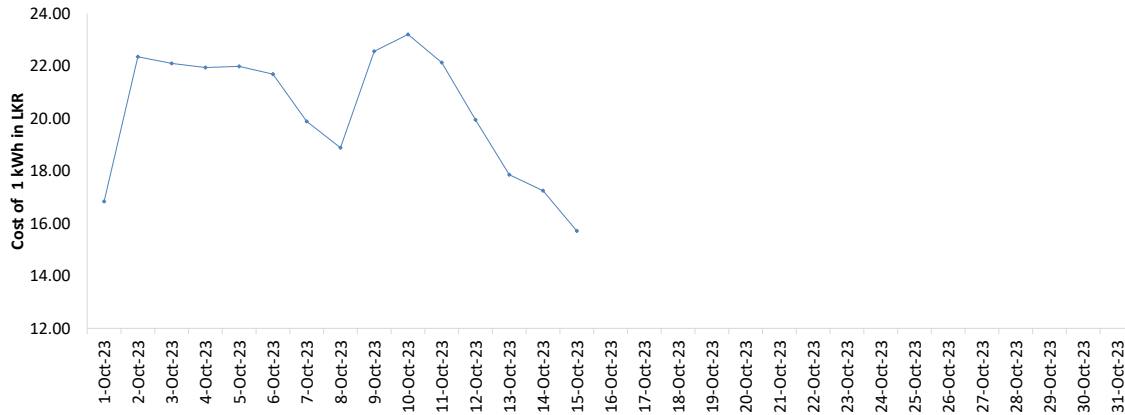
Generation Mix - October 2023

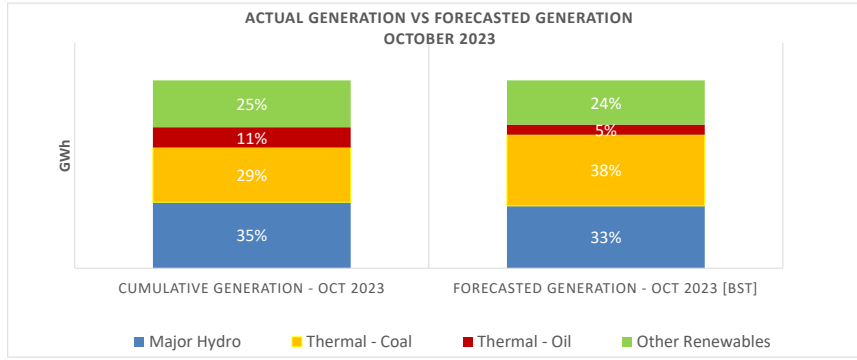


Cost of Generation - October 2023



Per Unit Cost of Generation - October 2023





	Cumulative Generation - October 2023 [GWh]	Forecasted Generation [BST] - October 2023 [GWh]
Major Hydro	217	432
Thermal - Coal	180	494
Thermal - Oil	67	70
Other Renewables	154	307
<b>Total</b>	<b>617</b>	<b>1303</b>

**Cost of Generation - October 2023 ( Mn LKR)**

Major Hydro	644.06 Mn LKR
Thermal - Coal	4874.61 Mn LKR
Thermal - Furnace Oil	3632.15 Mn LKR
Thermal - Diesel	267.31 Mn LKR
Thermal - Naphtha	858.06 Mn LKR
Wind - CEB	88.98 Mn LKR
Wind - IPP	262.47 Mn LKR
Solar - IPP - Ground Mounted	163.72 Mn LKR
Solar - Roof Top	694.49 Mn LKR
Mini Hydro	996.54 Mn LKR
Municipal Solid Waste	130.87 Mn LKR
<b>Total Generation Cost (Oct)</b>	<b>12,613.26 Mn LKR</b>
<b>Average Unit Cost of Generation (Oct)</b>	<b>20.43 LKR/kWh</b>