



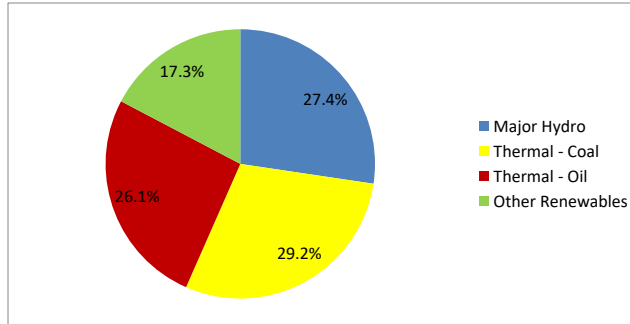
Daily Electricity Generation & Cost Estimation Report

1st November 2024



Daily Generation Mix -1st Nov 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.13	27.4%
Thermal - Coal	12.97	29.2%
Thermal - Furnace Oil	8.06	18.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.53	7.9%
Wind - CEB	0.09	0.2%
Wind - IPP	0.08	0.2%
Solar - IPP - Ground Mounted	0.56	1.3%
Solar - Roof Top	2.77	6.2%
Mini Hydro	3.89	8.8%
Municipal Solid Waste	0.29	0.6%
Total	44.36	



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

Estimated Generation Cost : 1st 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	3.22	3.22
Thermal - Coal	231.5	28.4	46.3	306.2	17.85	2.19	3.57	23.61
Thermal - Furnace Oil	370.3	9.7	51.9	431.9	45.97	1.20	6.45	53.62
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	157.7	2.0	3.3	163.0	44.74	0.56	0.94	46.24
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	245.01	245.01
Wind - IPP	1.2	0.0	0.0	1.2	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	10.9	0.0	0.0	10.9	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	52.9	0.0	0.0	52.9	13.59	0.00	0.00	13.59
Municipal Solid Waste	11.2	0.0	0.0	11.2	39.00	0.00	0.00	39.00
Total	904.8	41.5	182.2	1,128.5	20.40	0.94	4.11	25.44

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 : **25.44 LKR/kWh**
 Total Generation Cost for the day: **1128.50 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 - 1st Nov 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.9	30%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	10.3	24%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.3	1%
Wind - IPP		
BMP	0.2	0%
Solar	0.4	1%
Mini Hydro	2.9	7%
Total	43.72	

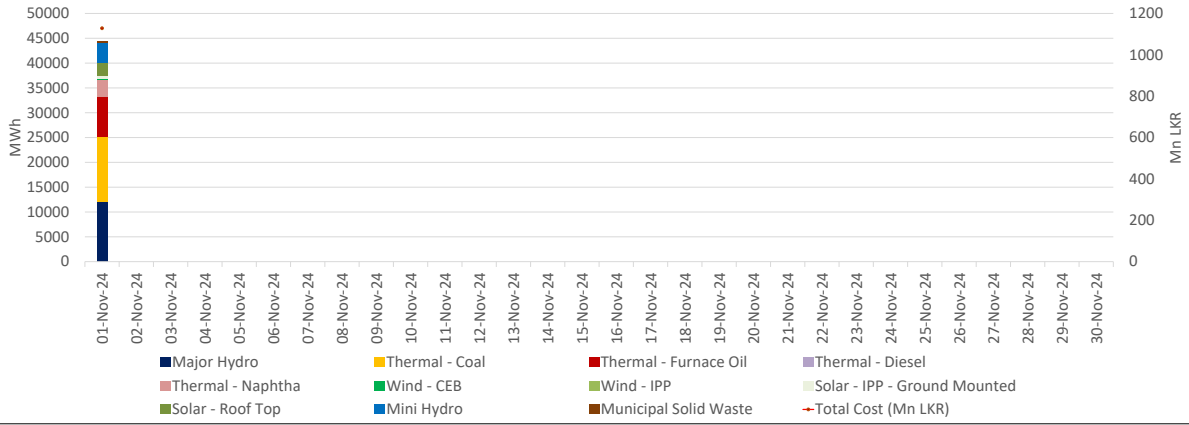
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1,150 Mn LKR**

Actual Generation Mix - 1st Nov 2024 (Excluding generation from non telemetered power plants)

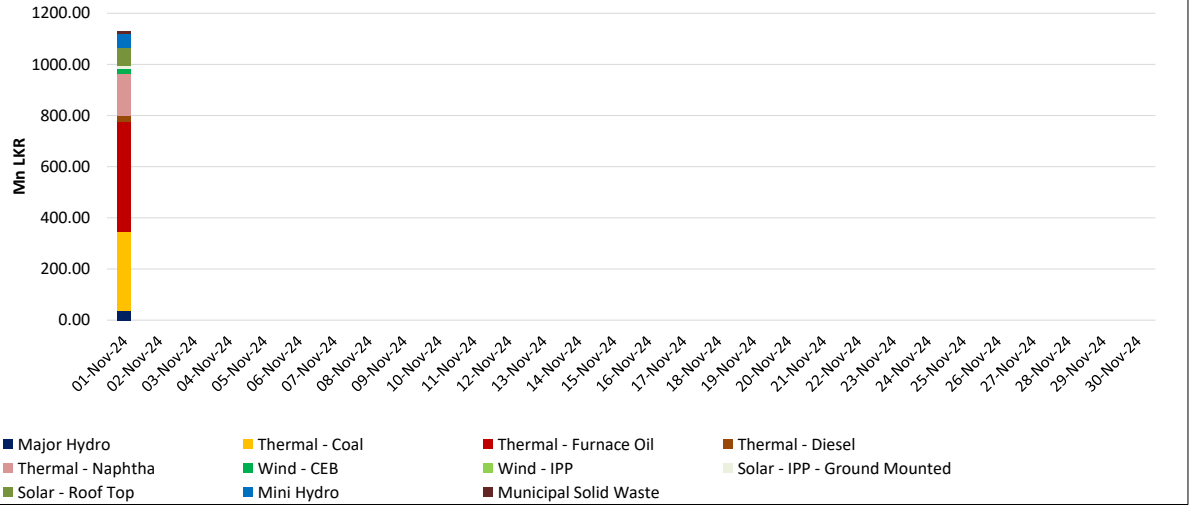
Plant Type	Generation (GWh)	Percentage
Major Hydro	12.1	29%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	8.1	19%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.5	9%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.3	0.7%
Solar	0.6	1%
Mini Hydro	3.7	9%
Total	41.37	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1,056 Mn LKR**

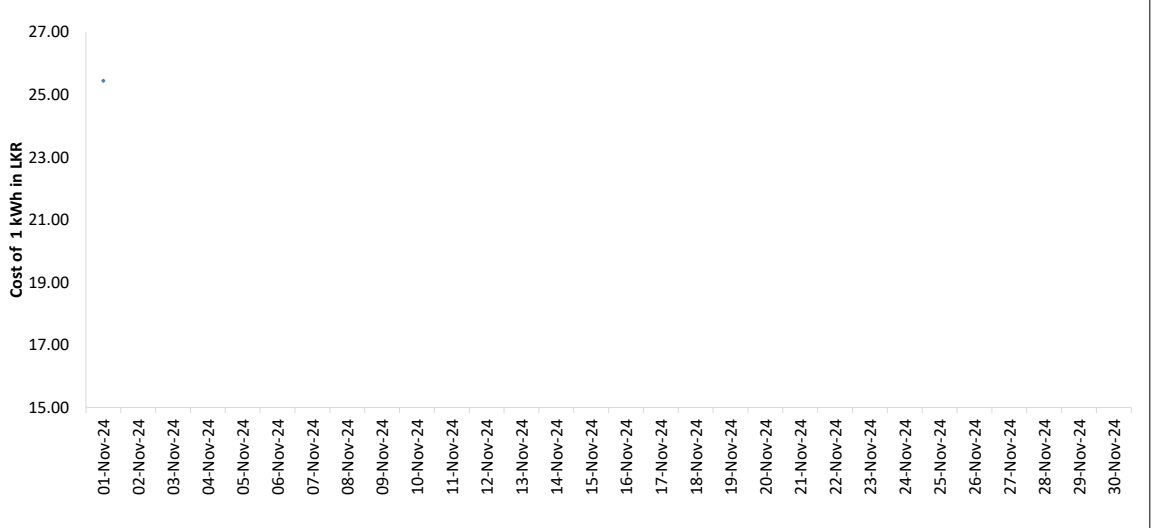
Generation mix and Total cost of generation - Nov 2024

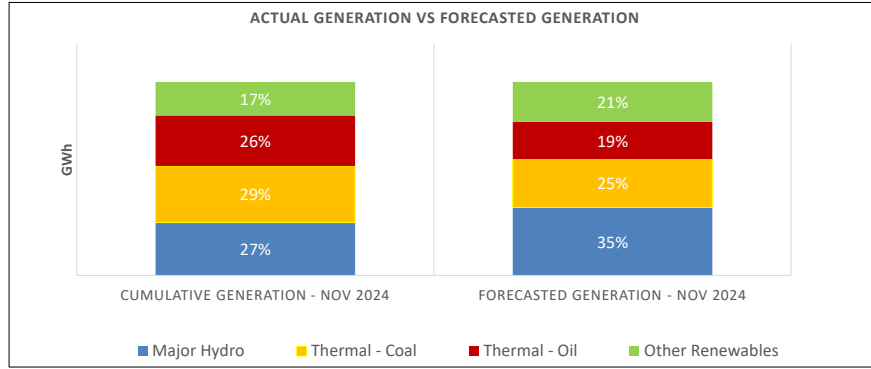


Cost of Generation - Nov 2024



Per Unit Cost of Generation - Nov 2024





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	12	478
Thermal - Coal	13	338
Thermal - Oil	12	263
Other Renewables	8	278
Total	44	1357

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	39 Mn LKR
Thermal - Coal	306 Mn LKR
Thermal - Furnace Oil	432 Mn LKR
Thermal - Diesel	21 Mn LKR
Thermal - Naphtha	163 Mn LKR
Wind - CEB	22 Mn LKR
Wind - IPP	1 Mn LKR
Solar - IPP - Ground Mounted	11 Mn LKR
Solar - Roof Top	69 Mn LKR
Mini Hydro	53 Mn LKR
Municipal Solid Waste	11 Mn LKR
Total Generation Cost	1,129 Mn LKR

Generation Energy Cost (Nov) 905 Mn LKR

*Generation Capacity Cost (Nov) 182 Mn LKR

Other Cost (Nov) 42 Mn LKR

Average Unit Cost of Generation (Nov) 25.44 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.