



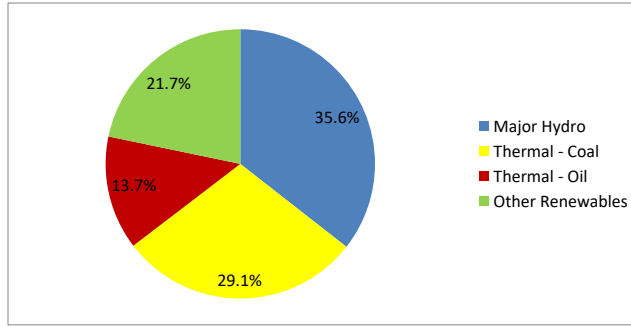
Daily Electricity Generation & Cost Estimation Report

4th November 2024



Daily Generation Mix -4th Nov 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.03	35.6%
Thermal - Coal	13.10	29.1%
Thermal - Furnace Oil	6.16	13.7%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.07	0.2%
Wind - IPP	0.08	0.2%
Solar - IPP - Ground Mounted	0.61	1.4%
Solar - Roof Top	2.77	6.1%
Mini Hydro	5.94	13.2%
Municipal Solid Waste	0.34	0.7%
Total	45.09	



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

Estimated Generation Cost : 4th 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	2.44	2.44
Thermal - Coal	233.8	28.4	46.3	308.5	17.85	2.17	3.54	23.55
Thermal - Furnace Oil	281.3	9.7	51.9	343.0	45.67	1.57	8.43	55.68
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	2.0	3.3	5.3	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	308.01	308.01
Wind - IPP	1.2	0.0	0.0	1.2	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	11.9	0.0	0.0	11.9	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	80.7	0.0	0.0	80.7	13.59	0.00	0.00	13.59
Municipal Solid Waste	13.1	0.0	0.0	13.1	39.00	0.00	0.00	39.00
Total	691.0	41.5	182.2	914.8	15.33	0.92	4.04	20.29

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 : **20.29 LKR/kWh**
 Total Generation Cost for the day: **914.77 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 - 4th Nov 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.2	34%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	4.3	10%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	2.8	7%
Wind - CEB	0.1	0%
Wind - IPP		
BMP	0.4	0%
Solar	0.5	1%
Mini Hydro	6.6	16%
Total	41.82	

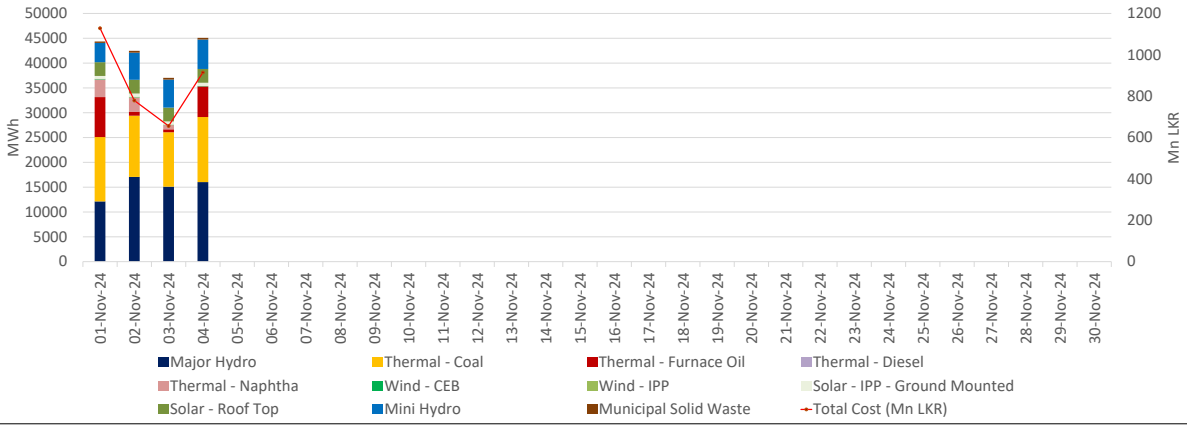
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **888 Mn LKR**

Actual Generation Mix - 4th Nov 2024 (Excluding generation from non telemetered power plants)

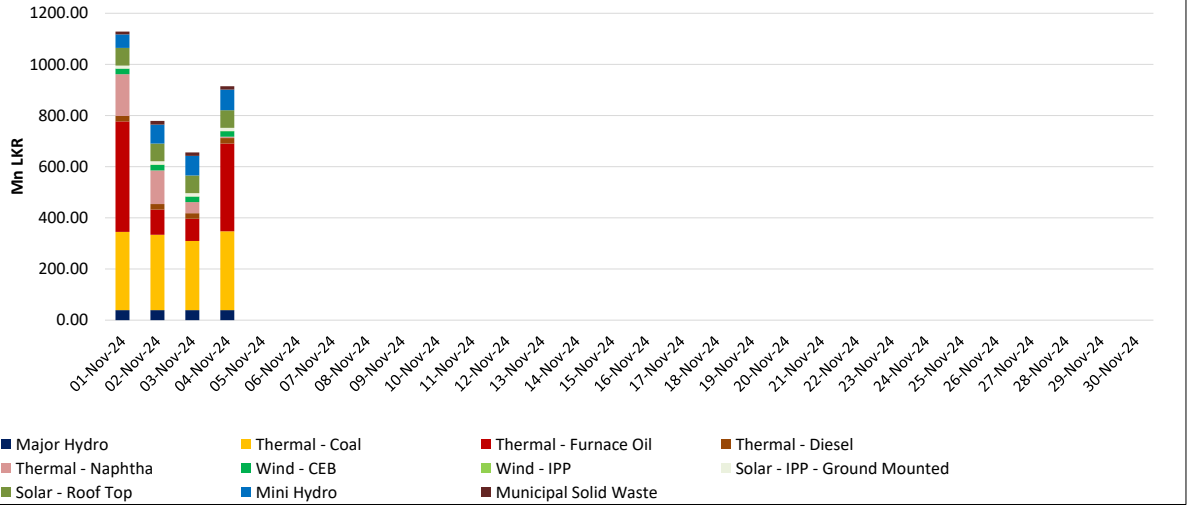
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.0	38%
Thermal - Coal	13.1	31%
Thermal - Furnace Oil	6.2	15%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.3	0.8%
Solar	0.6	1%
Mini Hydro	5.6	13%
Total	41.98	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **841 Mn LKR**

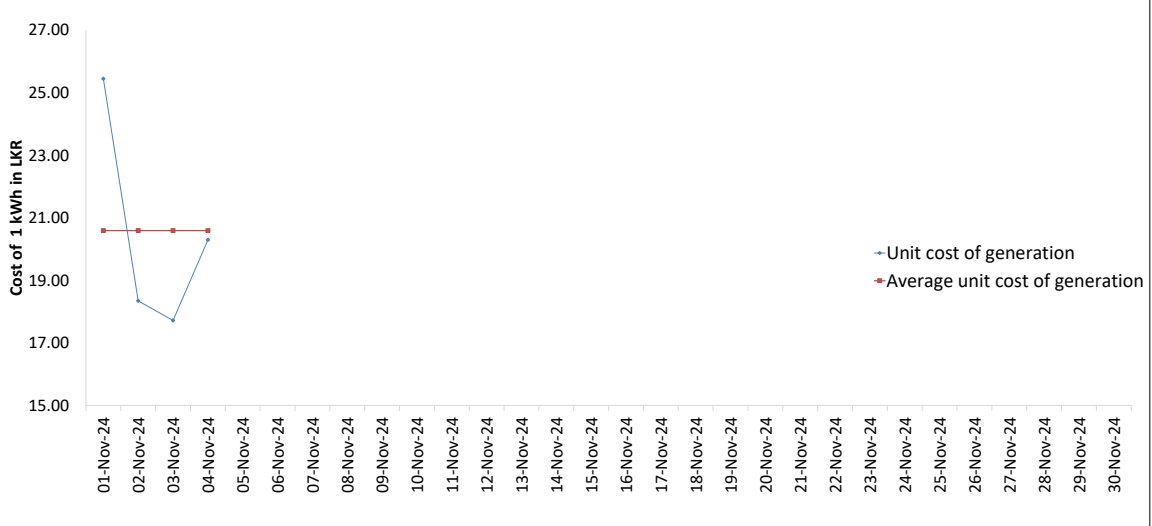
Generation mix and Total cost of generation - Nov 2024

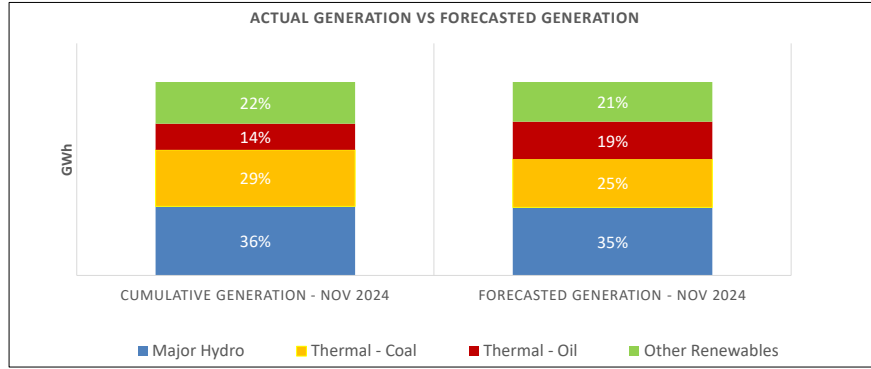


Cost of Generation - Nov 2024



Per Unit Cost of Generation - Nov 2024





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	60	478
Thermal - Coal	49	338
Thermal - Oil	23	263
Other Renewables	36	278
Total	169	1357

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	156 Mn LKR
Thermal - Coal	1,180 Mn LKR
Thermal - Furnace Oil	961 Mn LKR
Thermal - Diesel	86 Mn LKR
Thermal - Naphtha	343 Mn LKR
Wind - CEB	86 Mn LKR
Wind - IPP	5 Mn LKR
Solar - IPP - Ground Mounted	48 Mn LKR
Solar - Roof Top	276 Mn LKR
Mini Hydro	285 Mn LKR
Municipal Solid Waste	52 Mn LKR
Total Generation Cost	3,478 Mn LKR

Generation Energy Cost (Nov) 2,583 Mn LKR

*Generation Capacity Cost (Nov) 729 Mn LKR

Other Cost (Nov) 166 Mn LKR

Average Unit Cost of Generation (Nov) 20.59 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.