



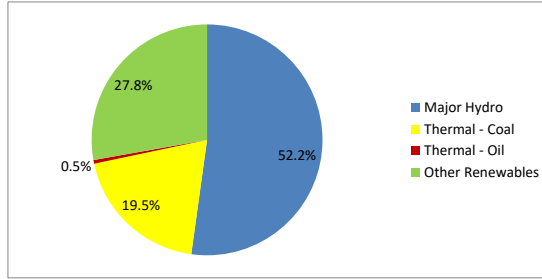
Daily Electricity Generation & Cost Estimation Report

28th November 2024



Daily Generation Mix -28th Nov 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	22.69	52.2%
Thermal - Coal	8.48	19.5%
Thermal - Furnace Oil	0.19	0.4%
Thermal - Diesel	0.03	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.61	3.7%
Wind - IPP	1.39	3.2%
Solar - IPP - Ground Mounted	0.52	1.2%
Solar - Roof Top	2.77	6.4%
Mini Hydro	5.37	12.4%
Municipal Solid Waste	0.43	1.0%
Total	43.49	



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

Estimated Generation Cost : 28th 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	1.72	1.72
Thermal - Coal	158.9	28.4	46.3	233.6	18.74	3.34	5.47	27.55
Thermal - Furnace Oil	8.5	9.7	51.9	70.2	44.02	49.96	267.73	361.71
Thermal - Diesel	2.1	1.5	20.0	23.6	73.67	51.74	688.76	814.18
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	13.38	13.38
Wind - IPP	22.5	0.0	0.0	22.5	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	10.1	0.0	0.0	10.1	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	73.0	0.0	0.0	73.0	13.59	0.00	0.00	13.59
Municipal Solid Waste	16.7	0.0	0.0	16.7	39.00	0.00	0.00	39.00
Total	360.9	41.5	182.2	584.7	8.30	0.96	4.19	13.44

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 :

13.44 LKR/kWh

Total Generation Cost for the day:

584.65 Mn LKR

Fuel Prices

(as at 11th Nov 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	45.65
Naphtha	166.00
Auto Diesel	283.00

Scheduled (Day Ahead) Generation Mix - 28th Nov 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	23.0	56%
Thermal - Coal	8.1	20%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	4.8	12%
Wind - IPP		
BMP	0.3	1%
Solar	0.1	0%
Mini Hydro	5.0	12%
Total	41.28	

Actual Generation Mix - 28th Nov 2024 (Excluding generation from non telemetered power plants)

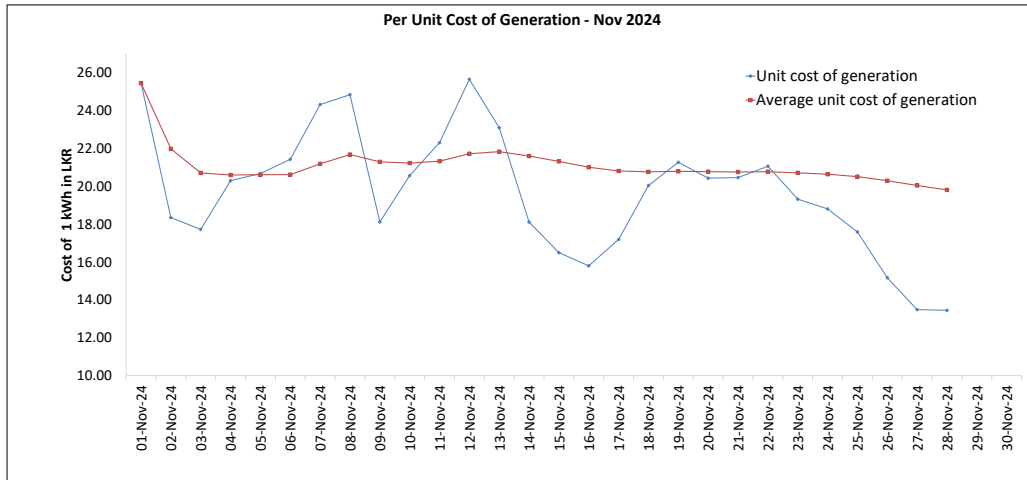
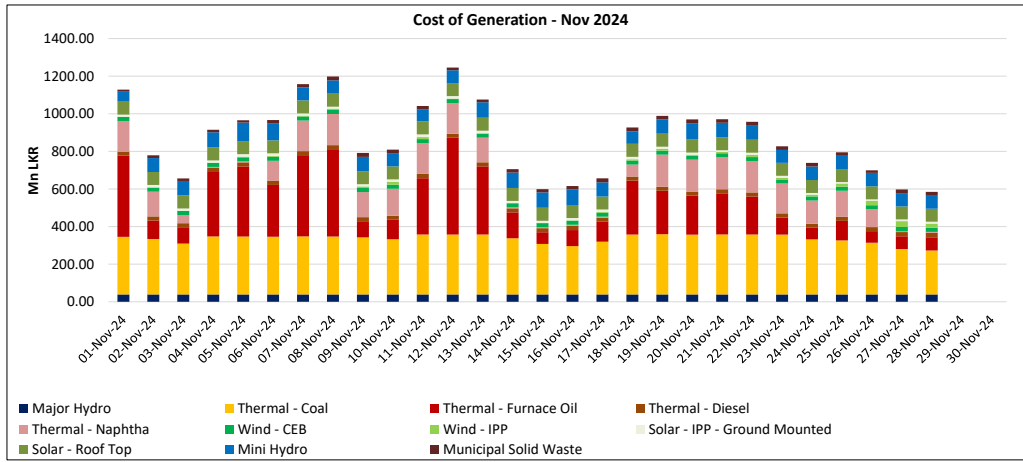
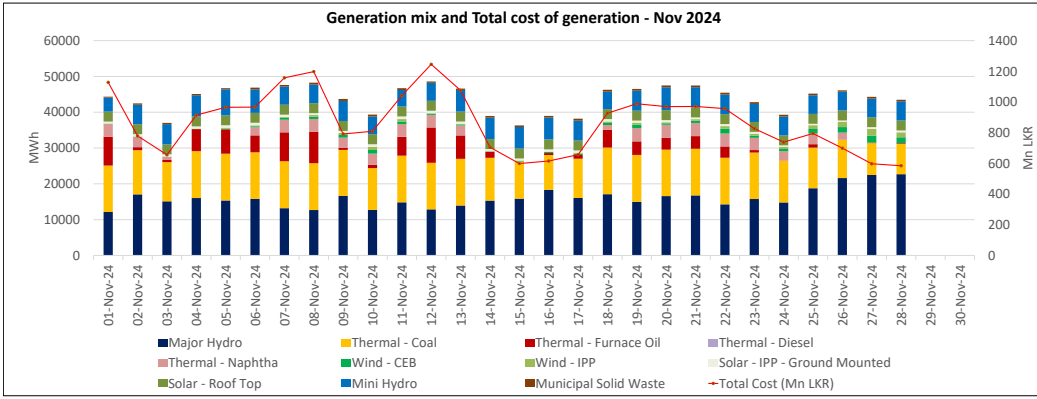
Plant Type	Generation (GWh)	Percentage
Major Hydro	22.7	56%
Thermal - Coal	8.5	21%
Thermal - Furnace Oil	0.2	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.6	4%
Wind - IPP	1.4	3%
BMP	0.4	1.1%
Solar	0.5	1%
Mini Hydro	5.1	13%
Total	40.41	

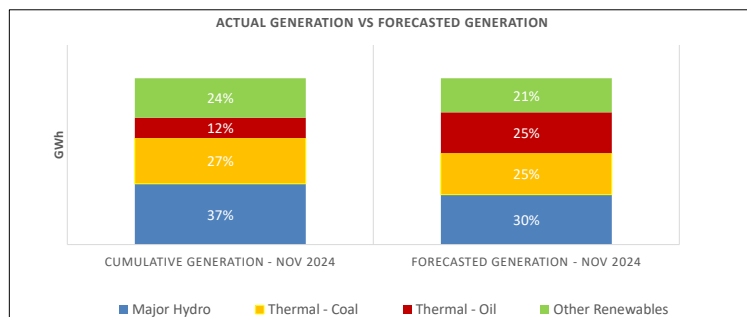
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

497 Mn LKR

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants)

511 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	450	408
Thermal - Coal	337	338
Thermal - Oil	151	333
Other Renewables	292	278
Total	1230	1357

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	1,094 Mn LKR
Thermal - Coal	8,313 Mn LKR
Thermal - Furnace Oil	5,867 Mn LKR
Thermal - Diesel	608 Mn LKR
Thermal - Naphtha	2,806 Mn LKR
Wind - CEB	604 Mn LKR
Wind - IPP	225 Mn LKR
Solar - IPP - Ground Mounted	323 Mn LKR
Solar - Roof Top	1,933 Mn LKR
Mini Hydro	2,099 Mn LKR
Municipal Solid Waste	493 Mn LKR
Total Generation Cost	24,363 Mn LKR

Generation Energy Cost (Nov) 18,022 Mn LKR

*Generation Capacity Cost (Nov) 5,101 Mn LKR

Other Cost (Nov) 1,163 Mn LKR

Average Unit Cost of Generation (Nov) 19.80 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.