



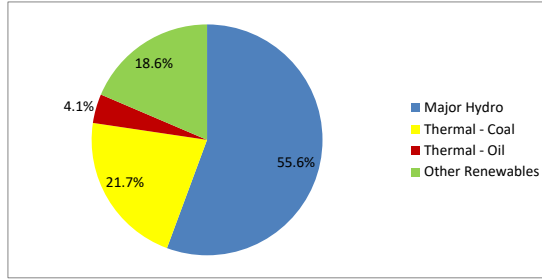
Daily Electricity Generation & Cost Estimation Report

18th December 2024



Daily Generation Mix - 18th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.64	55.6%
Thermal - Coal	10.39	21.7%
Thermal - Furnace Oil	1.94	4.1%
Thermal - Diesel	0.01	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.24	0.5%
Wind - IPP	0.12	0.2%
Solar - IPP - Ground Mounted	0.58	1.2%
Solar - Roof Top	2.76	5.8%
Mini Hydro	4.90	10.2%
Municipal Solid Waste	0.29	0.6%
Total	47.87	



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

Estimated Generation Cost : 18th December 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	38.2	38.2	0.00	0.00	1.43	1.43
Thermal - Coal	202.9	27.5	45.0	275.4	19.53	2.64	4.34	26.51
Thermal - Furnace Oil	88.3	9.4	51.7	149.4	45.43	4.82	26.58	76.84
Thermal - Diesel	0.4	1.5	19.8	21.7	74.37	242.02	3292.79	3609.18
Thermal - Naphtha	0.0	1.9	3.3	5.2	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	85.92	85.92
Wind - IPP	1.8	0.0	0.0	1.8	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.2	0.0	0.0	11.2	19.28	0.00	0.00	19.28
Solar - Roof Top	68.8	0.0	0.0	68.8	24.92	0.00	0.00	24.92
Mini Hydro	66.1	0.0	0.0	66.1	13.47	0.00	0.00	13.47
Municipal Solid Waste	11.3	0.0	0.0	11.3	39.15	0.00	0.00	39.15
Total	450.8	40.2	178.8	669.8	9.42	0.84	3.74	13.99

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 :

13.99 LKR/kWh

Total Generation Cost for the day:

669.83 Mn LKR

Fuel Prices

(as at 9th Dec 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	47.57
Naphtha	166.00
Auto Diesel	286.00

Scheduled (Day Ahead) Generation Mix - 18th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	27.5	63%
Thermal - Coal	9.4	22%
Thermal - Furnace Oil	1.1	3%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.7	2%
Wind - IPP		
BMP	0.3	1%
Solar	0.2	0%
Mini Hydro	4.2	10%
Total	43.48	

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

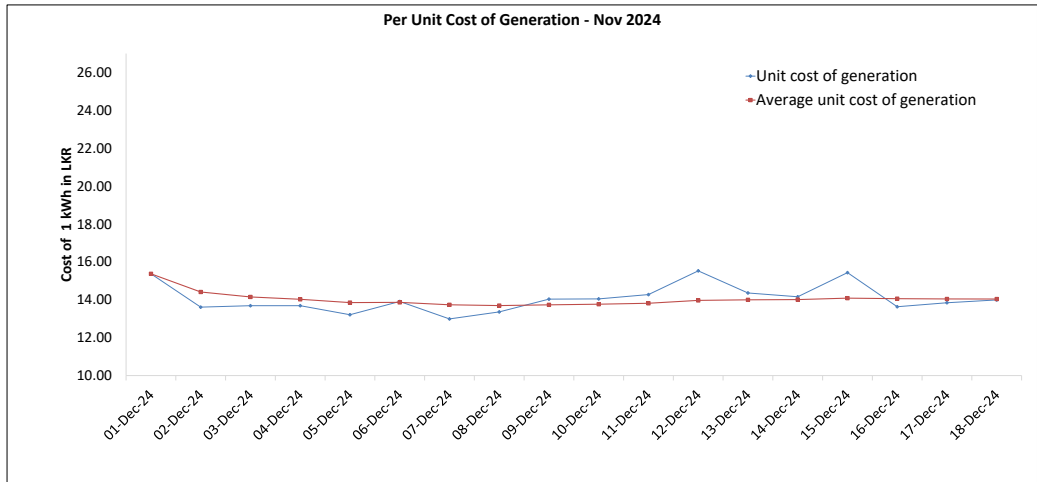
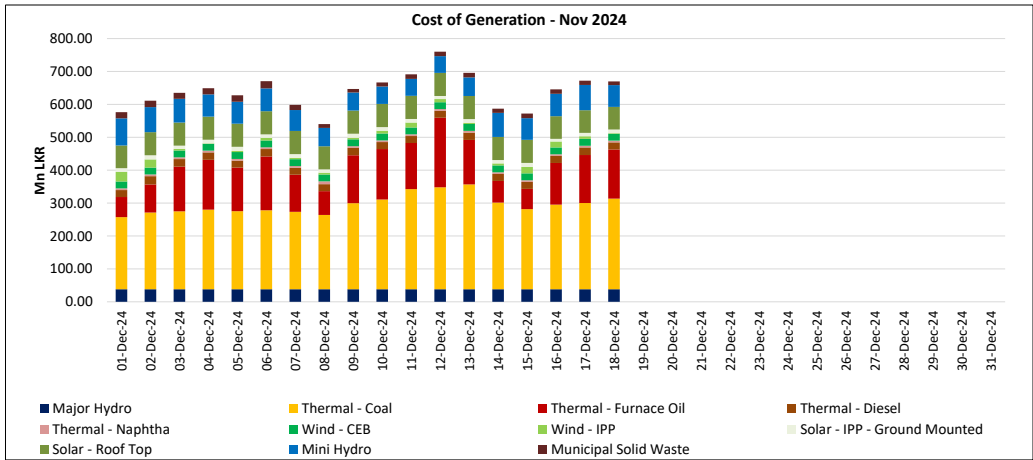
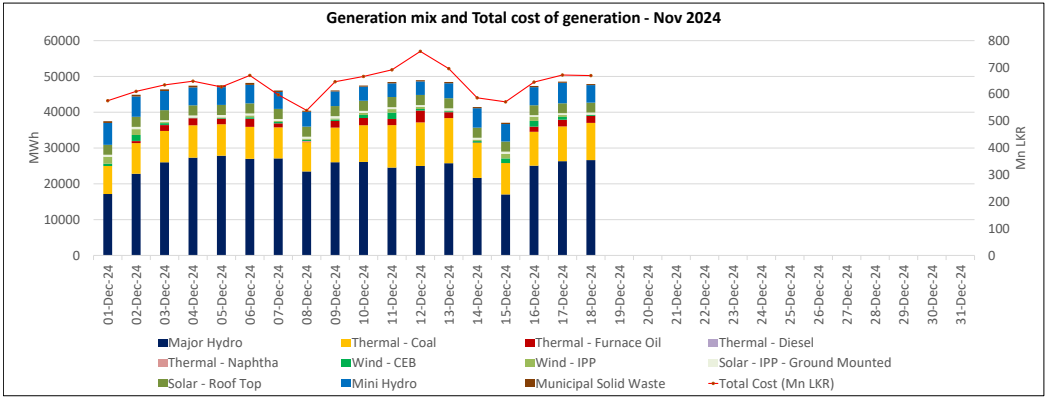
532 Mn LKR

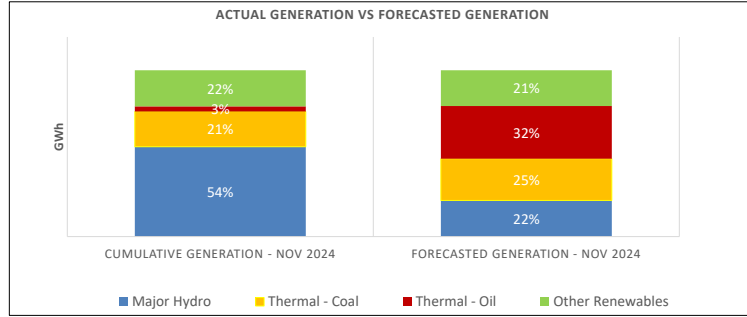
Actual Generation Mix - 18th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.6	60%
Thermal - Coal	10.4	23%
Thermal - Furnace Oil	1.9	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.2	1%
Wind - IPP	0.1	0%
BMP	0.3	0.7%
Solar	0.6	1%
Mini Hydro	4.1	9%
Total	44.31	

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

590 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	443	303
Thermal - Coal	173	350
Thermal - Oil	26	442
Other Renewables	178	300
Total	820	1,394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	688 Mn LKR
Thermal - Coal	4,637 Mn LKR
Thermal - Furnace Oil	2,249 Mn LKR
Thermal - Diesel	395 Mn LKR
Thermal - Naphtha	97 Mn LKR
Wind - CEB	376 Mn LKR
Wind - IPP	176 Mn LKR
Solar - IPP - Ground Mounted	196 Mn LKR
Solar - Roof Top	1,259 Mn LKR
Mini Hydro	1,171 Mn LKR
Municipal Solid Waste	272 Mn LKR
Total Generation Cost	11,516 Mn LKR

Generation Energy Cost (Nov)	7,573 Mn LKR
*Generation Capacity Cost (Nov)	3,219 Mn LKR
Other Cost (Nov)	724 Mn LKR
Average Unit Cost of Generation (Nov)	14.04 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.