



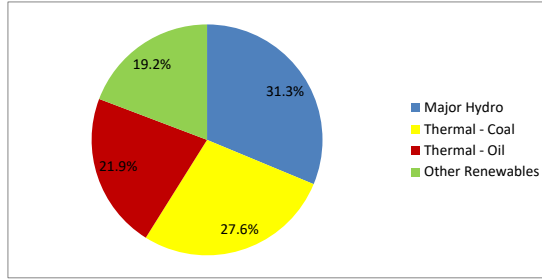
Daily Electricity Generation & Cost Estimation Report

31st December 2024



Daily Generation Mix - 31st December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.69	31.3%
Thermal - Coal	12.99	27.6%
Thermal - Furnace Oil	6.63	14.1%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.64	7.7%
Wind - CEB	1.29	2.8%
Wind - IPP	1.12	2.4%
Solar - IPP - Ground Mounted	0.46	1.0%
Solar - Roof Top	2.76	5.9%
Mini Hydro	2.96	6.3%
Municipal Solid Waste	0.44	0.9%
Total	47.00	



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

Estimated Generation Cost : 31st 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	2.60	2.60
Thermal - Coal	253.7	27.5	45.0	326.2	19.53	2.11	3.47	25.11
Thermal - Furnace Oil	300.9	9.4	51.7	361.9	45.35	1.41	7.79	54.56
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	162.9	1.9	3.3	168.1	44.74	0.53	0.90	46.16
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	16.15	16.15
Wind - IPP	17.2	0.0	0.0	17.2	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	8.9	0.0	0.0	8.9	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	39.8	0.0	0.0	39.8	13.47	0.00	0.00	13.47
Municipal Solid Waste	17.3	0.0	0.0	17.3	39.15	0.00	0.00	39.15
Total	869.5	40.2	178.8	1088.6	18.50	0.86	3.80	23.16

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 :

23.16 LKR/kWh

Total Generation Cost for the day:

1088.56 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 - 31st Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.8	37%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	4.9	11%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.8	4%
Wind - IPP		
BMP	0.3	1%
Solar	0.5	1%
Mini Hydro	2.7	6%
Total	42.61	

Actual Generation Mix - 31st Dec 2024 (Excluding generation from non telemetered power plants)

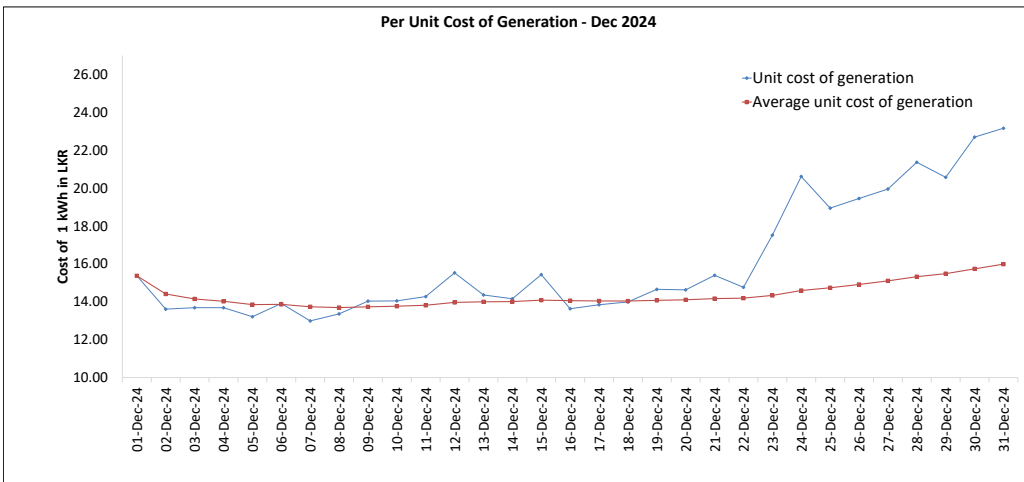
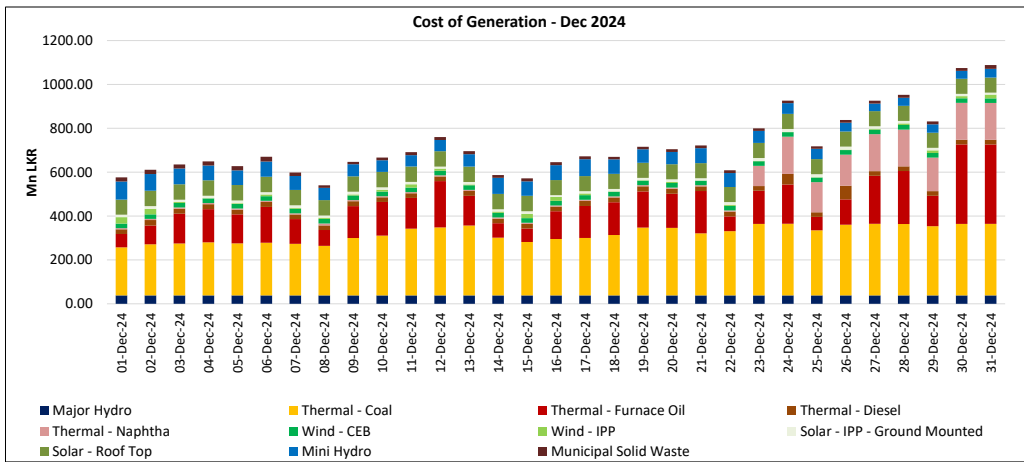
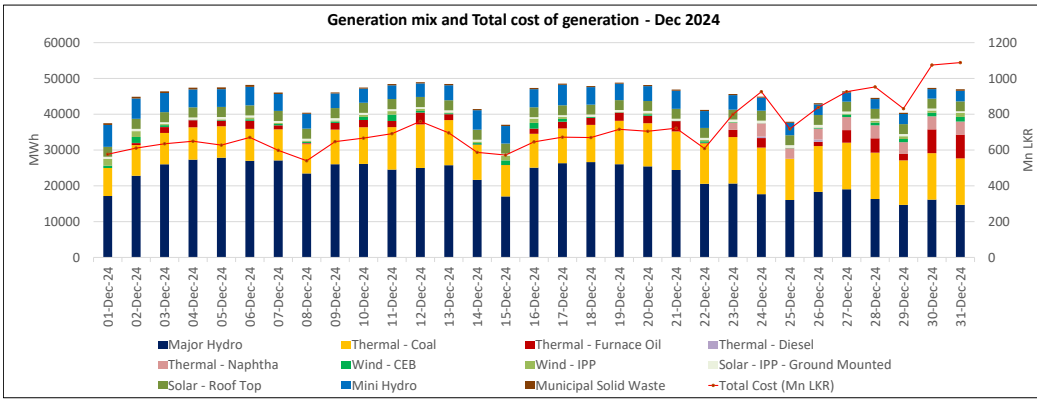
Plant Type	Generation (GWh)	Percentage
Major Hydro	14.7	34%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	6.6	15%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.3	3%
Wind - IPP	1.1	3%
BMP	0.4	1.0%
Solar	0.5	1%
Mini Hydro	2.6	6%
Total	43.85	

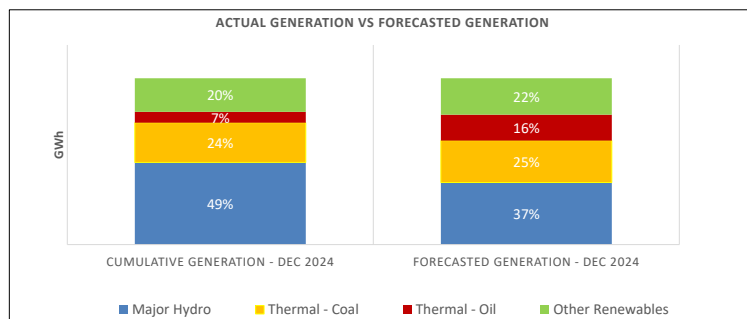
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

925 Mn LKR

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

1,015 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	693	520
Thermal - Coal	334	351
Thermal - Oil	92	218
Other Renewables	283	305
Total	1,403	1,394

Forecasted Generation - SDDP Dec 2024

Estimated Cost of Generation - Dec 2024 (Mn LKR)

Major Hydro	1,184 Mn LKR
Thermal - Coal	8,721 Mn LKR
Thermal - Furnace Oil	4,660 Mn LKR
Thermal - Diesel	744 Mn LKR
Thermal - Naphtha	1,484 Mn LKR
Wind - CEB	647 Mn LKR
Wind - IPP	244 Mn LKR
Solar - IPP - Ground Mounted	350 Mn LKR
Solar - Roof Top	2,153 Mn LKR
Mini Hydro	1,797 Mn LKR
Municipal Solid Waste	438 Mn LKR
Total Generation Cost	22,422 Mn LKR

Generation Energy Cost (Dec) 15,633 Mn LKR

*Generation Capacity Cost (Dec) 5,543 Mn LKR

Other Cost (Dec) 1,246 Mn LKR

Average Unit Cost of Generation (Dec) 15.99 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.