



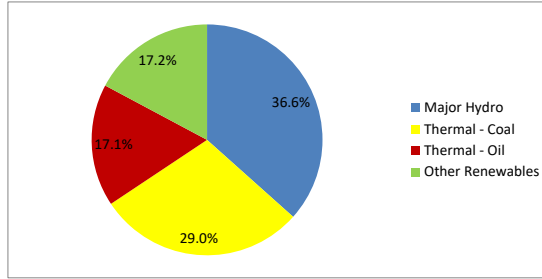
Daily Electricity Generation & Cost Estimation Report

28th December 2024



Daily Generation Mix - 28th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.32	36.6%
Thermal - Coal	12.95	29.0%
Thermal - Furnace Oil	4.01	9.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.63	8.1%
Wind - CEB	0.76	1.7%
Wind - IPP	0.48	1.1%
Solar - IPP - Ground Mounted	0.59	1.3%
Solar - Roof Top	2.76	6.2%
Mini Hydro	2.74	6.1%
Municipal Solid Waste	0.34	0.8%
Total	44.58	



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 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	2.34	2.34
Thermal - Coal	252.9	27.5	45.0	325.4	19.53	2.12	3.48	25.13
Thermal - Furnace Oil	180.6	9.4	51.7	241.6	45.02	2.34	12.88	60.25
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	162.5	1.9	3.3	167.7	44.74	0.53	0.90	46.16
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	27.33	27.33
Wind - IPP	7.3	0.0	0.0	7.3	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.4	0.0	0.0	11.4	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	36.9	0.0	0.0	36.9	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.2	0.0	0.0	13.2	39.15	0.00	0.00	39.15
Total	733.5	40.2	178.8	952.6	16.45	0.90	4.01	21.37

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 :

21.37 LKR/kWh

Total Generation Cost for the day:

952.57 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 - 28th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.7	40%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	4.8	11%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB	0.2	1%
Wind - IPP		
BMP	0.3	1%
Solar	0.6	1%
Mini Hydro	2.8	7%
Total	42.05	

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

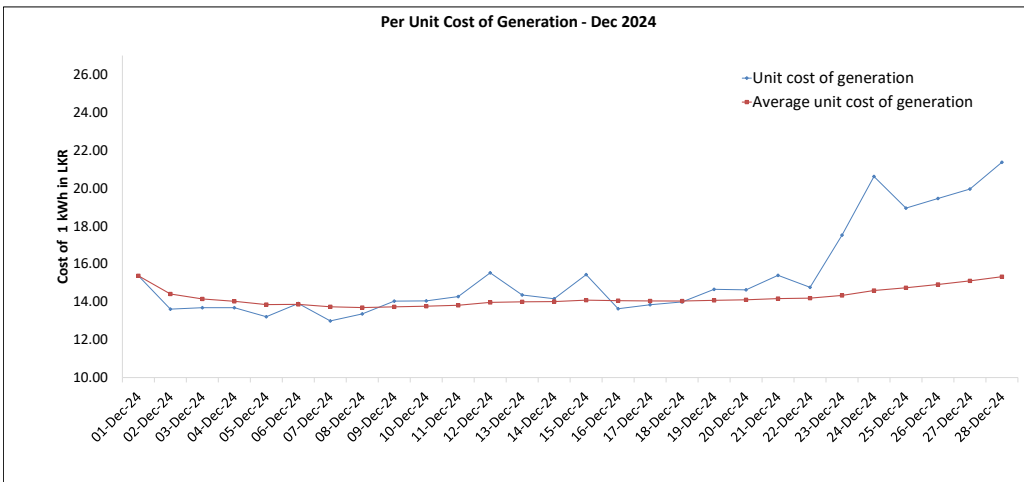
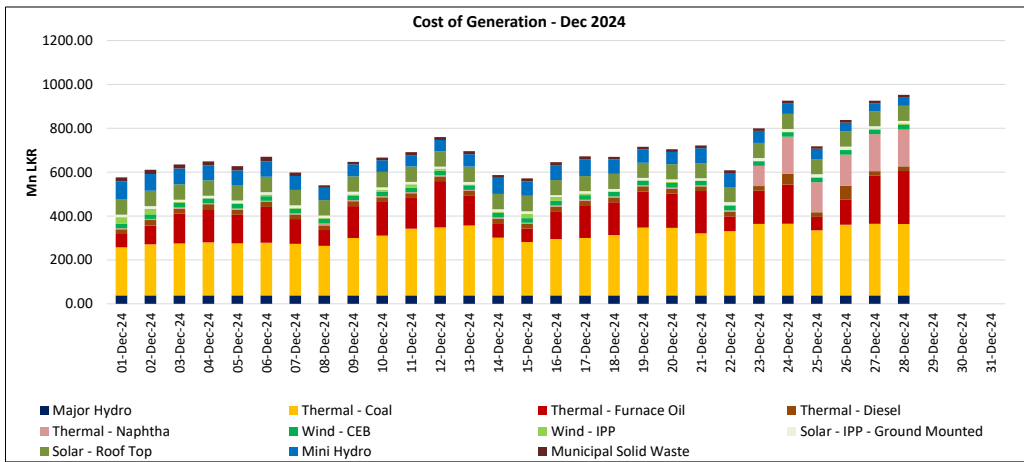
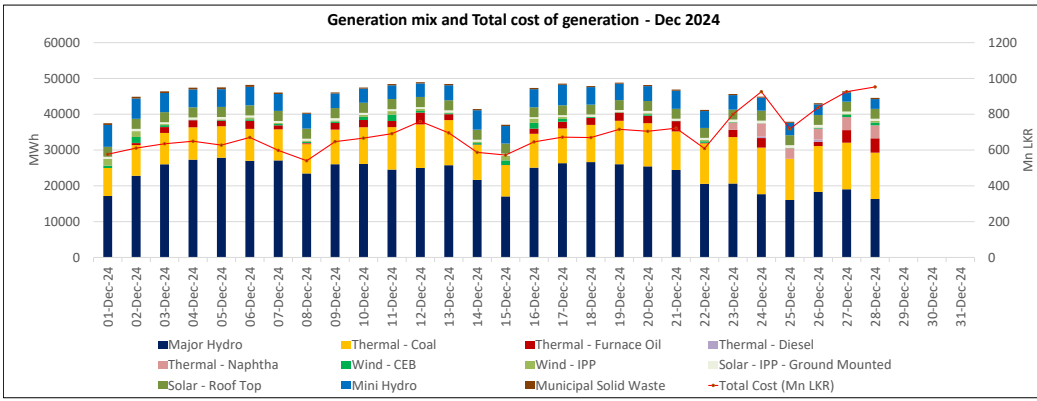
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.3	39%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	4.0	10%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB	0.8	2%
Wind - IPP	0.5	1%
BMP	0.3	0.8%
Solar	0.6	1%
Mini Hydro	2.6	6%
Total	41.67	

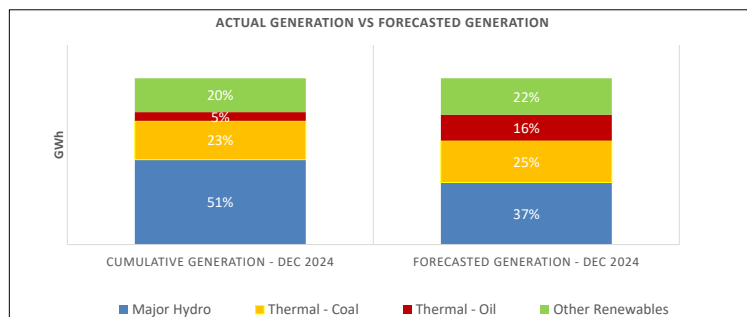
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

915 Mn LKR

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

882 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	647	520
Thermal - Coal	296	351
Thermal - Oil	66	218
Other Renewables	258	305
Total	1,268	1,394

Forecasted Generation - SDDP Dec 2024

Estimated Cost of Generation - Dec 2024 (Mn LKR)

Major Hydro	1,070 Mn LKR
Thermal - Coal	7,754 Mn LKR
Thermal - Furnace Oil	3,797 Mn LKR
Thermal - Diesel	680 Mn LKR
Thermal - Naphtha	994 Mn LKR
Wind - CEB	585 Mn LKR
Wind - IPP	205 Mn LKR
Solar - IPP - Ground Mounted	319 Mn LKR
Solar - Roof Top	1,947 Mn LKR
Mini Hydro	1,683 Mn LKR
Municipal Solid Waste	394 Mn LKR
Total Generation Cost	19,428 Mn LKR

Generation Energy Cost (Dec)	13,295 Mn LKR
*Generation Capacity Cost (Dec)	5,007 Mn LKR
Other Cost (Dec)	1,126 Mn LKR

Average Unit Cost of Generation (Dec) 15.32 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.