



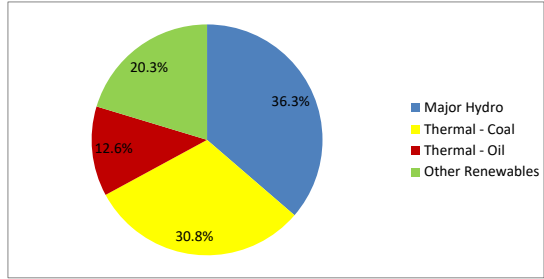
Daily Electricity Generation & Cost Estimation Report

29th December 2024



Daily Generation Mix - 29th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.68	36.3%
Thermal - Coal	12.44	30.8%
Thermal - Furnace Oil	1.78	4.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.30	8.2%
Wind - CEB	0.88	2.2%
Wind - IPP	0.78	1.9%
Solar - IPP - Ground Mounted	0.61	1.5%
Solar - Roof Top	2.76	6.8%
Mini Hydro	2.84	7.0%
Municipal Solid Waste	0.33	0.8%
Total	40.41	



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

Estimated Generation Cost : 29th 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	242.9	27.5	45.0	315.4	19.53	2.21	3.62	25.36
Thermal - Furnace Oil	77.8	9.4	51.7	138.9	43.65	5.26	28.98	77.90
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	147.7	1.9	3.3	152.9	44.74	0.58	0.99	46.31
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	23.62	23.62
Wind - IPP	12.0	0.0	0.0	12.0	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.8	0.0	0.0	11.8	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	38.3	0.0	0.0	38.3	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.1	0.0	0.0	13.1	39.15	0.00	0.00	39.15
Total	612.3	40.2	178.8	831.4	15.15	0.99	4.42	20.57

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 :

20.57 LKR/kWh

Total Generation Cost for the day:

831.37 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 - 29th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.1	37%
Thermal - Coal	12.9	34%
Thermal - Furnace Oil	2.1	5%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.4	9%
Wind - CEB	2.0	5%
Wind - IPP		
BMP	0.3	1%
Solar	0.5	1%
Mini Hydro	2.4	6%
Total	37.67	

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

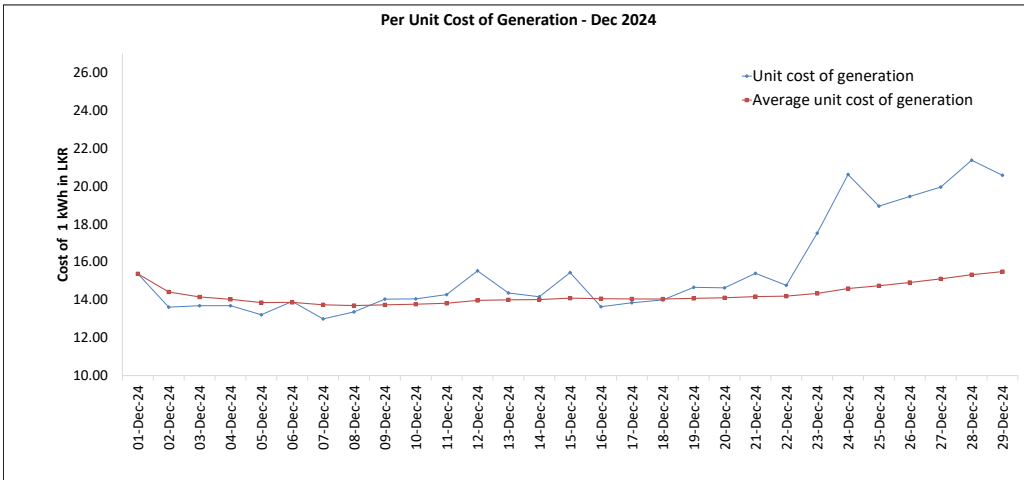
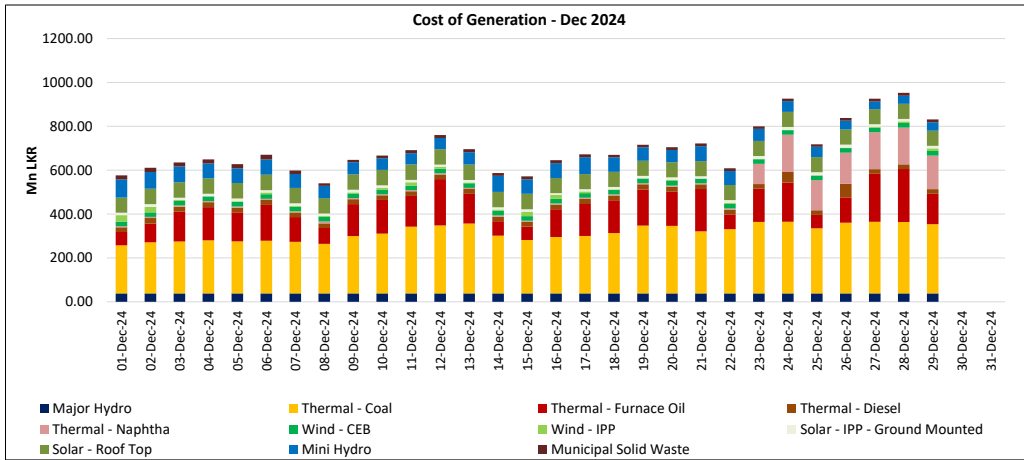
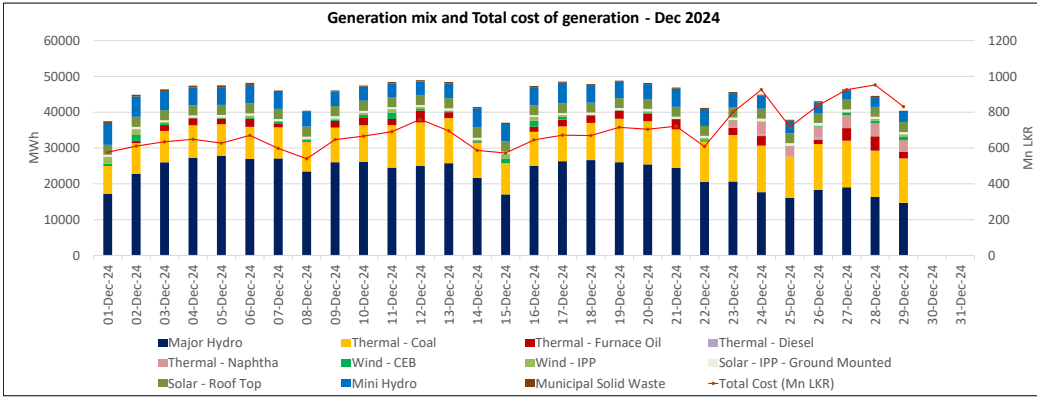
785 Mn LKR

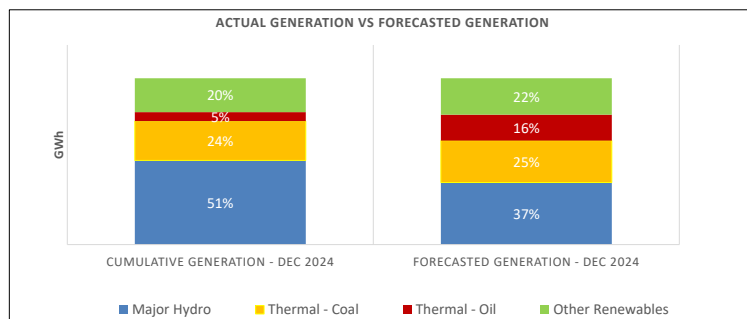
Actual Generation Mix - 29th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.7	39%
Thermal - Coal	12.4	33%
Thermal - Furnace Oil	1.8	5%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.3	9%
Wind - CEB	0.9	2%
Wind - IPP	0.8	2%
BMP	0.3	0.9%
Solar	0.6	2%
Mini Hydro	2.7	7%
Total	37.49	

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

760 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	662	520
Thermal - Coal	308	351
Thermal - Oil	71	218
Other Renewables	266	305
Total	1,308	1,394

Forecasted Generation - SDDP Dec 2024

Estimated Cost of Generation - Dec 2024 (Mn LKR)

Major Hydro	1,108 Mn LKR
Thermal - Coal	8,069 Mn LKR
Thermal - Furnace Oil	3,936 Mn LKR
Thermal - Diesel	701 Mn LKR
Thermal - Naphtha	1,147 Mn LKR
Wind - CEB	605 Mn LKR
Wind - IPP	217 Mn LKR
Solar - IPP - Ground Mounted	331 Mn LKR
Solar - Roof Top	2,016 Mn LKR
Mini Hydro	1,721 Mn LKR
Municipal Solid Waste	407 Mn LKR
Total Generation Cost	20,259 Mn LKR

Generation Energy Cost (Dec)	13,907 Mn LKR
*Generation Capacity Cost (Dec)	5,186 Mn LKR
Other Cost (Dec)	1,166 Mn LKR
Average Unit Cost of Generation (Dec)	15.49 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.