



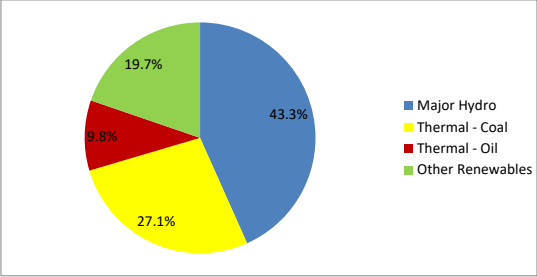
Daily Electricity Generation & Cost Estimation Report

24-Jan-25



Daily Generation Mix - 24th January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.80	43.3%
Thermal - Coal	13.01	27.1%
Thermal - Furnace Oil	4.68	9.7%
Thermal - Diesel	0.05	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.65	1.3%
Wind - IPP	0.47	1.0%
Solar - IPP - Ground Mounted	0.47	1.0%
Solar - Roof Top	3.27	6.8%
Mini Hydro	4.17	8.7%
Municipal Solid Waste	0.46	1.0%
Total	48.01	



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

Estimated Generation Cost : 24th January 2025

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	34.1	34.1	0.00	0.00	1.64	1.64
Thermal - Coal	254.6	10.6	34.9	300.1	19.57	0.81	2.68	23.06
Thermal - Furnace Oil	211.1	7.7	49.4	268.2	45.14	1.64	10.57	57.35
Thermal - Diesel	4.0	1.6	7.5	13.1	88.98	35.11	166.80	290.89
Thermal - Naphtha	0.0	1.0	3.3	4.3	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	17.8	17.8	0.00	0.00	27.59	27.59
Wind - IPP	7.2	0.0	0.0	7.2	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	9.1	0.0	0.0	9.1	19.47	0.00	0.00	19.47
Solar - Roof Top	86.6	0.0	0.0	86.6	26.47	0.00	0.00	26.47
Mini Hydro	57.4	0.0	0.0	57.4	13.76	0.00	0.00	13.76
Municipal Solid Waste	18.1	0.0	0.0	18.1	39.48	0.00	0.00	39.48
Total	648.1	20.8	147.1	816.0	13.50	0.43	3.06	17.00

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission 2025

Unit Cost of Generation for the day : 17.00 LKR/kWh
Total Generation Cost for the day: 815.99 Mn LKR

Fuel Prices

(as at 6th Jan 2025)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	47.66
Naphtha	166.00
Auto Diesel	286.00

Scheduled (Day Ahead) Generation Mix - 24th Jan 2025 (Excluding generation from non telemetered power plants)

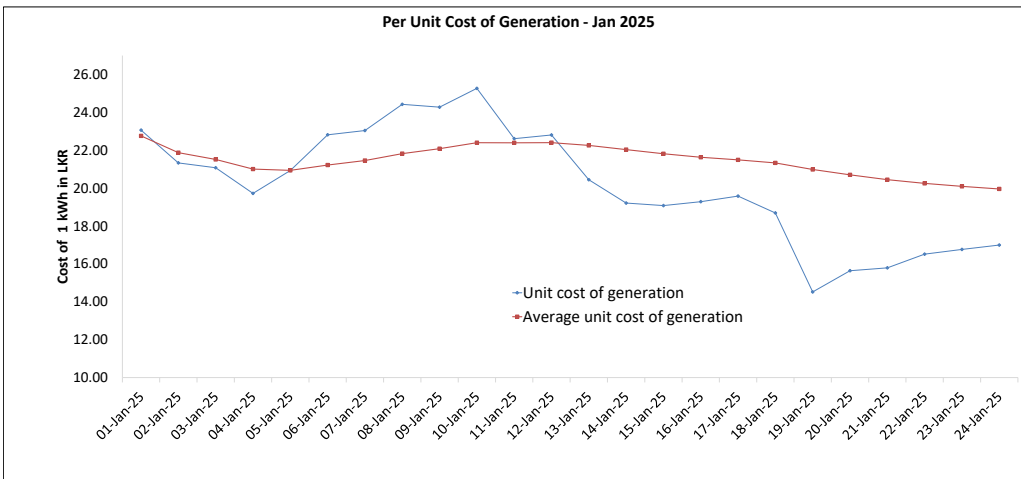
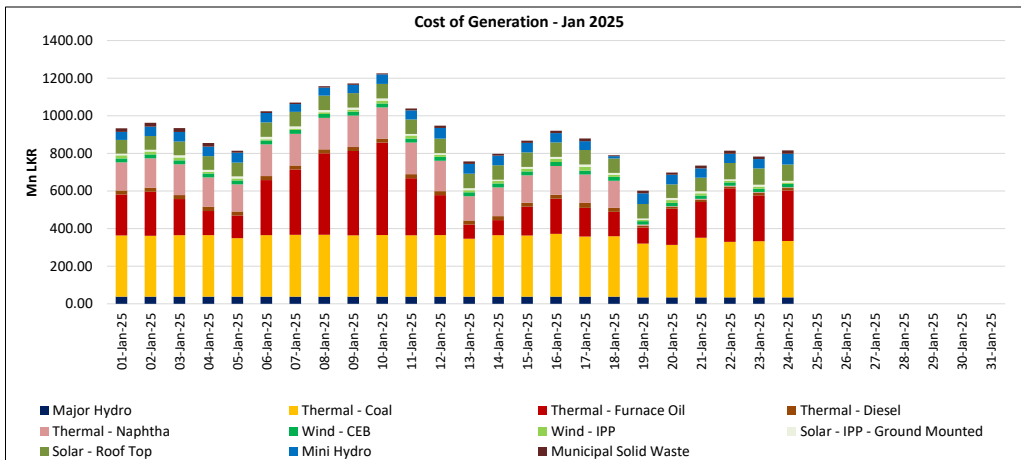
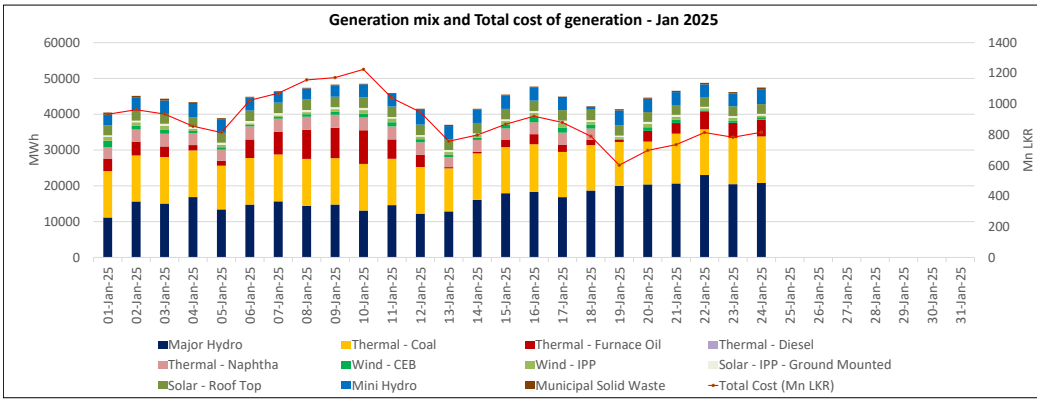
Plant Type	Generation (GWh)	Percentage
Major Hydro	21.1	50%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	3.5	8%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.0	2%
Wind - IPP		
BMP	0.4	1%
Solar	0.2	1%
Mini Hydro	3.4	8%
Total	42.51	

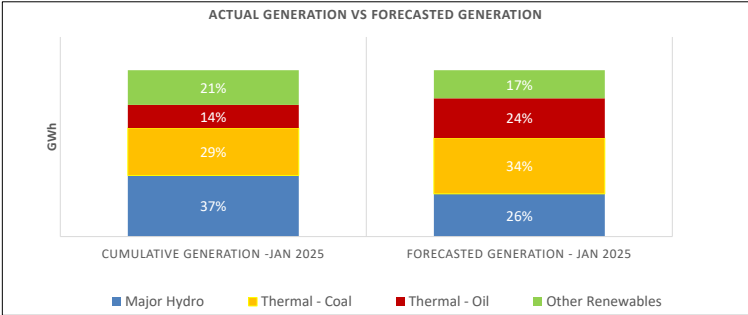
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 652 Mn LKR

Actual Generation Mix - 24th Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.8	47%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	4.7	11%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.6	1%
Wind - IPP	0.5	1%
BMP	0.5	1.0%
Solar	0.5	1%
Mini Hydro	3.6	8%
Total	44.18	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 722 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	398	364
Thermal - Coal	309	476
Thermal - Oil	150	338
Other Renewables (including LECO RT est.)	226	239
Total	1,082	1,417

Forecasted Generation - SDOF Jan 2025

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	892	Mn LKR
Thermal - Coal	7,614	Mn LKR
Thermal - Furnace Oil	5,470	Mn LKR
Thermal - Diesel	455	Mn LKR
Thermal - Naphtha	2,840	Mn LKR
Wind - CEB	483	Mn LKR
Wind - IPP	291	Mn LKR
Solar - IPP - Ground Mounted	245	Mn LKR
Solar - Roof Top	1,848	Mn LKR
Mini Hydro	1,157	Mn LKR
Municipal Solid Waste	304	Mn LKR
Total Generation Cost	21,597	Mn LKR

Generation Energy Cost (Jan) 16,647 Mn LKR

*Generation Capacity Cost (Jan) 4,101 Mn LKR

Other Cost (Jan) 848 Mn LKR

Average Unit Cost of Generation (Jan) 19.96 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.