



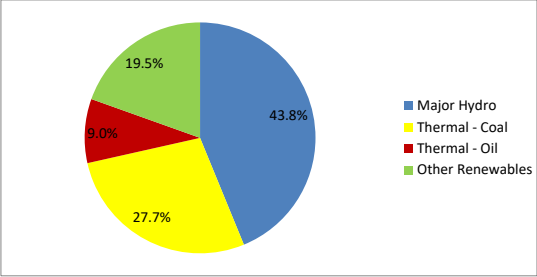
Daily Electricity Generation & Cost Estimation Report

23-Jan-25



Daily Generation Mix - 23rd January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.47	43.8%
Thermal - Coal	12.94	27.7%
Thermal - Furnace Oil	4.15	8.9%
Thermal - Diesel	0.04	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.65	1.4%
Wind - IPP	0.73	1.6%
Solar - IPP - Ground Mounted	0.52	1.1%
Solar - Roof Top	3.27	7.0%
Mini Hydro	3.62	7.7%
Municipal Solid Waste	0.35	0.7%
Total	46.73	



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 : 23rd 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	1.67	1.67
Thermal - Coal	253.1	10.6	34.9	298.6	19.57	0.82	2.70	23.08
Thermal - Furnace Oil	187.0	7.7	49.4	244.1	45.05	1.84	11.91	58.81
Thermal - Diesel	3.9	1.6	7.5	13.0	88.98	35.91	170.59	295.48
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	27.46	27.46
Wind - IPP	11.4	0.0	0.0	11.4	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	10.0	0.0	0.0	10.0	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	49.7	0.0	0.0	49.7	13.76	0.00	0.00	13.76
Municipal Solid Waste	13.6	0.0	0.0	13.6	39.48	0.00	0.00	39.48
Total	615.5	20.8	147.1	783.4	13.17	0.45	3.15	16.76

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 : 16.76 LKR/kWh
Total Generation Cost for the day: 783.36 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 - 23rd Jan 2025 (Excluding generation from non telemetered power plants)

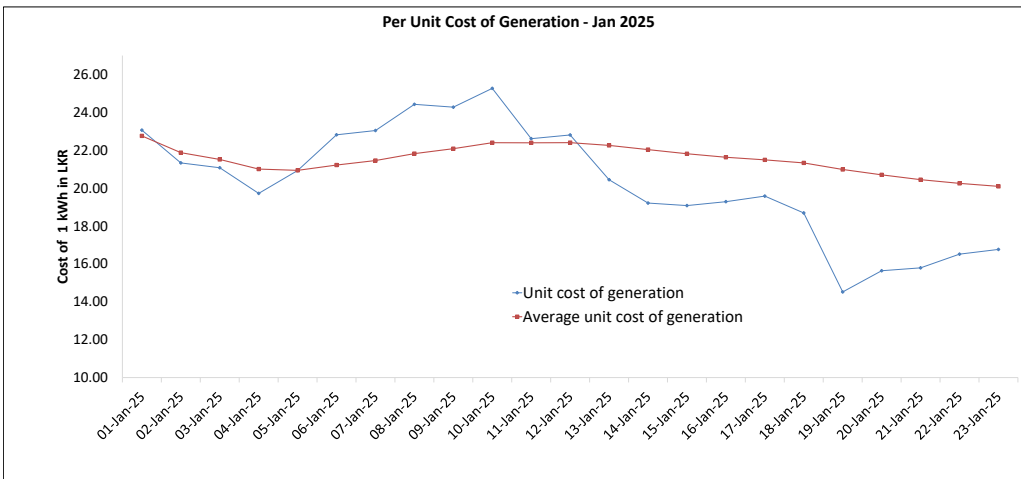
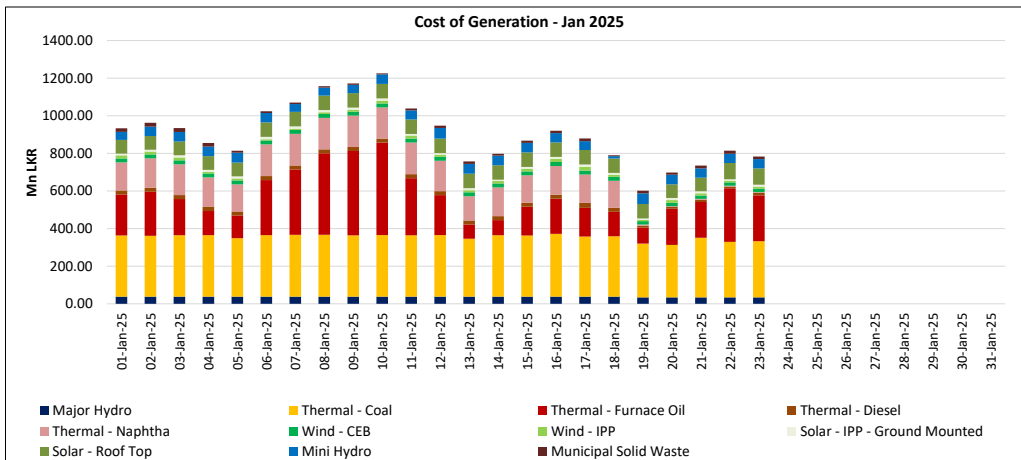
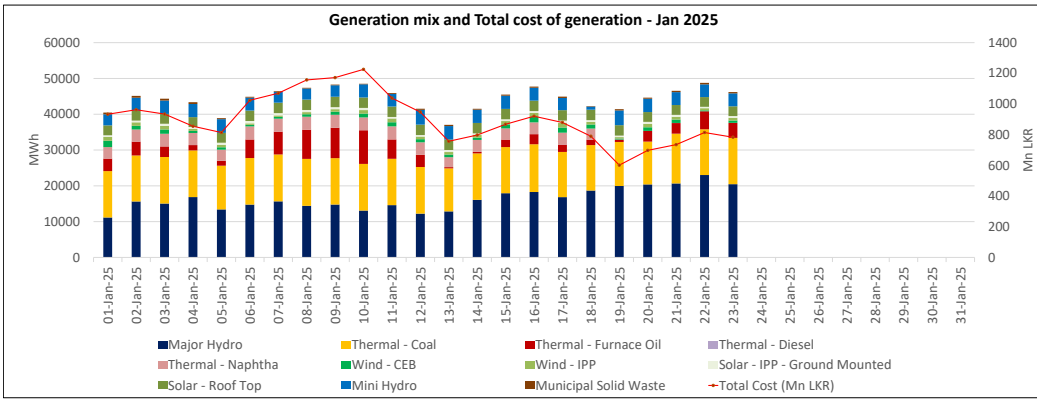
Plant Type	Generation (GWh)	Percentage
Major Hydro	20.4	48%
Thermal - Coal	12.3	29%
Thermal - Furnace Oil	3.4	8%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.3	3%
Wind - IPP		
BMP	0.3	1%
Solar	0.3	1%
Mini Hydro	4.1	10%
Total	42.09	

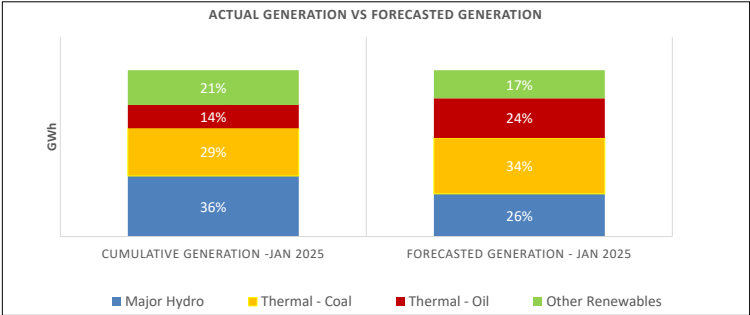
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 646 Mn LKR

Actual Generation Mix - 23rd Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.5	47%
Thermal - Coal	12.9	30%
Thermal - Furnace Oil	4.2	10%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.6	1%
Wind - IPP	0.7	2%
BMP	0.3	0.8%
Solar	0.5	1%
Mini Hydro	3.4	8%
Total	43.25	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 694 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	377	364
Thermal - Coal	296	476
Thermal - Oil	146	338
Other Renewables (including LECO RT est.)	216	239
Total	1,034	1,417

Forecasted Generation - SDOF Jan 2025

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	858	Mn LKR
Thermal - Coal	7,314	Mn LKR
Thermal - Furnace Oil	5,201	Mn LKR
Thermal - Diesel	441	Mn LKR
Thermal - Naphtha	2,835	Mn LKR
Wind - CEB	465	Mn LKR
Wind - IPP	283	Mn LKR
Solar - IPP - Ground Mounted	236	Mn LKR
Solar - Roof Top	1,761	Mn LKR
Mini Hydro	1,100	Mn LKR
Municipal Solid Waste	286	Mn LKR
Total Generation Cost	20,781	Mn LKR

Generation Energy Cost (Jan)	15,999	Mn LKR
*Generation Capacity Cost (Jan)	3,954	Mn LKR
Other Cost (Jan)	828	Mn LKR

Average Unit Cost of Generation (Jan)	20.09	LKR/kWh
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Note -
 * Capacity cost is based on the approved BST submission.