



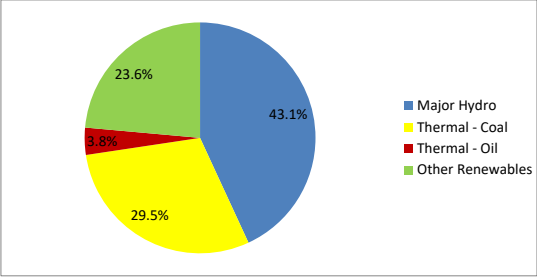
Daily Electricity Generation & Cost Estimation Report

25-Jan-25



Daily Generation Mix - 25th January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	19.00	43.1%
Thermal - Coal	13.01	29.5%
Thermal - Furnace Oil	1.67	3.8%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.07	2.4%
Wind - IPP	0.90	2.0%
Solar - IPP - Ground Mounted	0.56	1.3%
Solar - Roof Top	3.27	7.4%
Mini Hydro	4.08	9.3%
Municipal Solid Waste	0.50	1.1%
Total	44.07	



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 : 25th 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	1.80	1.80
Thermal - Coal	254.6	10.6	34.9	300.0	19.57	0.81	2.68	23.06
Thermal - Furnace Oil	77.8	7.7	49.4	134.9	46.53	4.58	29.55	80.66
Thermal - Diesel	0.0	1.6	7.5	9.1	0.00	0.00	0.00	0.00
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	16.62	16.62
Wind - IPP	14.0	0.0	0.0	14.0	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	11.0	0.0	0.0	11.0	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	56.1	0.0	0.0	56.1	13.76	0.00	0.00	13.76
Municipal Solid Waste	19.7	0.0	0.0	19.7	39.48	0.00	0.00	39.48
Total	519.9	20.8	147.1	687.7	11.80	0.47	3.34	15.61

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 : 15.61 LKR/kWh
Total Generation Cost for the day: 687.73 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 - 25th Jan 2025 (Excluding generation from non telemetered power plants)

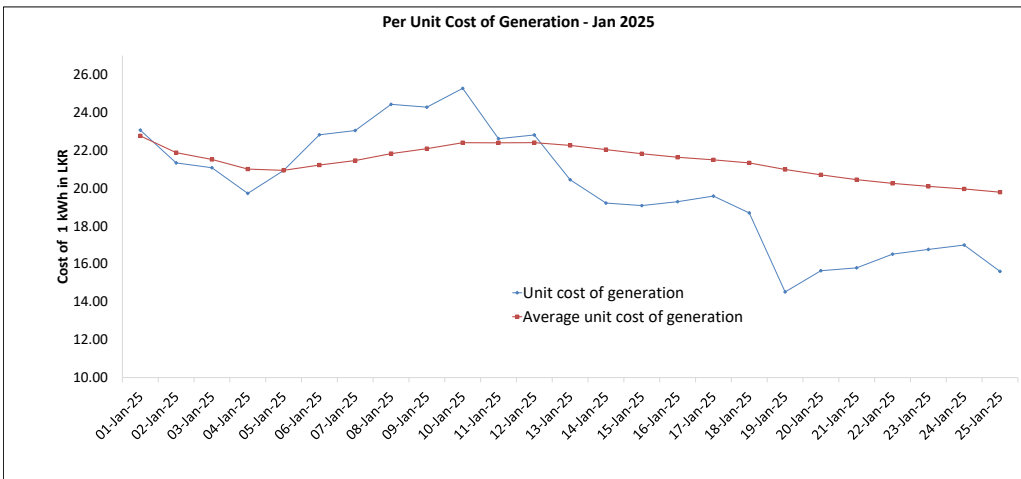
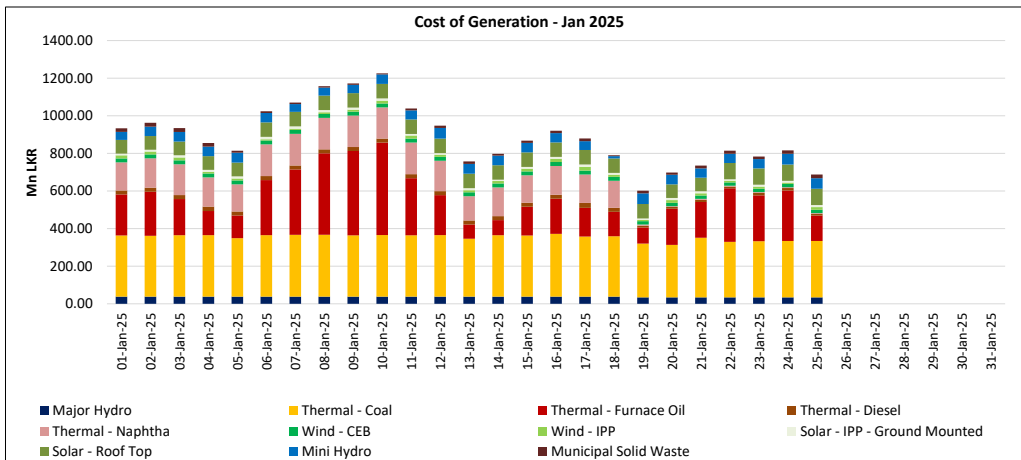
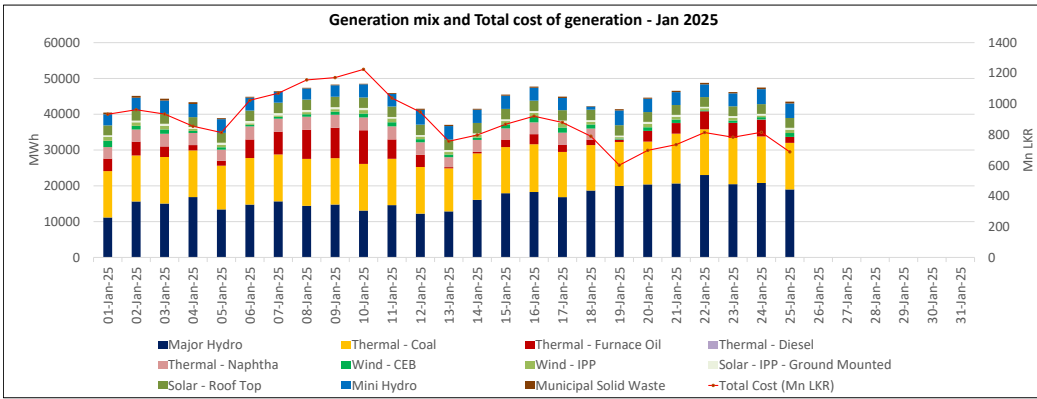
Plant Type	Generation (GWh)	Percentage
Major Hydro	21.0	50%
Thermal - Coal	12.9	31%
Thermal - Furnace Oil	2.8	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.3	3%
Wind - IPP		
BMP	0.3	1%
Solar	0.3	1%
Mini Hydro	3.4	8%
Total	42.14	

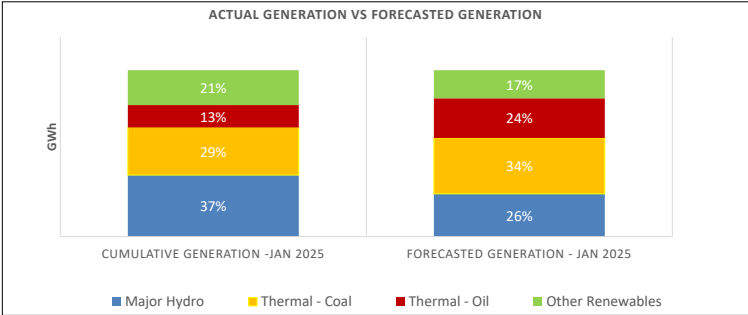
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 624 Mn LKR

Actual Generation Mix - 25th Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	19.0	47%
Thermal - Coal	13.0	32%
Thermal - Furnace Oil	1.7	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.1	3%
Wind - IPP	0.9	2%
BMP	0.5	1.2%
Solar	0.6	1%
Mini Hydro	3.5	9%
Total	40.25	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 594 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	417	364
Thermal - Coal	322	476
Thermal - Oil	152	338
Other Renewables (including LECO RT est.)	236	239
Total	1,126	1,417

Forecasted Generation - SDOF Jan 2025

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	926	Mn LKR
Thermal - Coal	7,914	Mn LKR
Thermal - Furnace Oil	5,604	Mn LKR
Thermal - Diesel	464	Mn LKR
Thermal - Naphtha	2,844	Mn LKR
Wind - CEB	500	Mn LKR
Wind - IPP	305	Mn LKR
Solar - IPP - Ground Mounted	256	Mn LKR
Solar - Roof Top	1,934	Mn LKR
Mini Hydro	1,214	Mn LKR
Municipal Solid Waste	324	Mn LKR
Total Generation Cost	22,285	Mn LKR

Generation Energy Cost (Jan)	17,167	Mn LKR
*Generation Capacity Cost (Jan)	4,248	Mn LKR
Other Cost (Jan)	869	Mn LKR
Average Unit Cost of Generation (Jan)	19.79	LKR/kWh

Note -
 * Capacity cost is based on the approved BST submission.