



Daily Electricity Generation & Cost Estimation Report

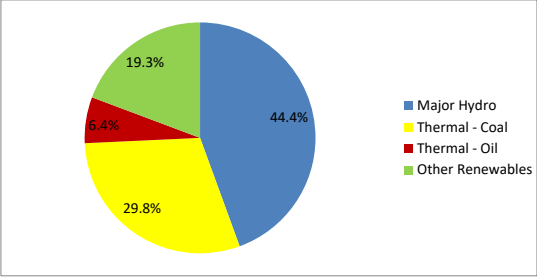


21st January 2025



Daily Generation Mix - 21st January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.68	44.4%
Thermal - Coal	13.89	29.8%
Thermal - Furnace Oil	2.97	6.4%
Thermal - Diesel	0.03	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.94	2.0%
Wind - IPP	0.77	1.7%
Solar - IPP - Ground Mounted	0.55	1.2%
Solar - Roof Top	2.73	5.9%
Mini Hydro	3.61	7.8%
Municipal Solid Waste	0.37	0.8%
Total	46.55	



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

Estimated Generation Cost : 21st 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	1.65	1.65
Thermal - Coal	271.8	10.6	34.9	317.2	19.57	0.76	2.51	22.84
Thermal - Furnace Oil	133.1	7.7	49.4	190.2	44.86	2.58	16.66	64.10
Thermal - Diesel	3.0	1.6	7.5	12.1	88.98	46.47	220.77	356.21
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	18.89	18.89
Wind - IPP	12.0	0.0	0.0	12.0	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	10.7	0.0	0.0	10.7	19.47	0.00	0.00	19.47
Solar - Roof Top	72.3	0.0	0.0	72.3	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	14.6	0.0	0.0	14.6	39.48	0.00	0.00	39.48
Total	567.3	20.8	147.1	735.1	12.19	0.45	3.16	15.79

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 : 15.79 LKR/kWh
Total Generation Cost for the day: 735.15 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 - 21st Jan 2025 (Excluding generation from non telemetered power plants)

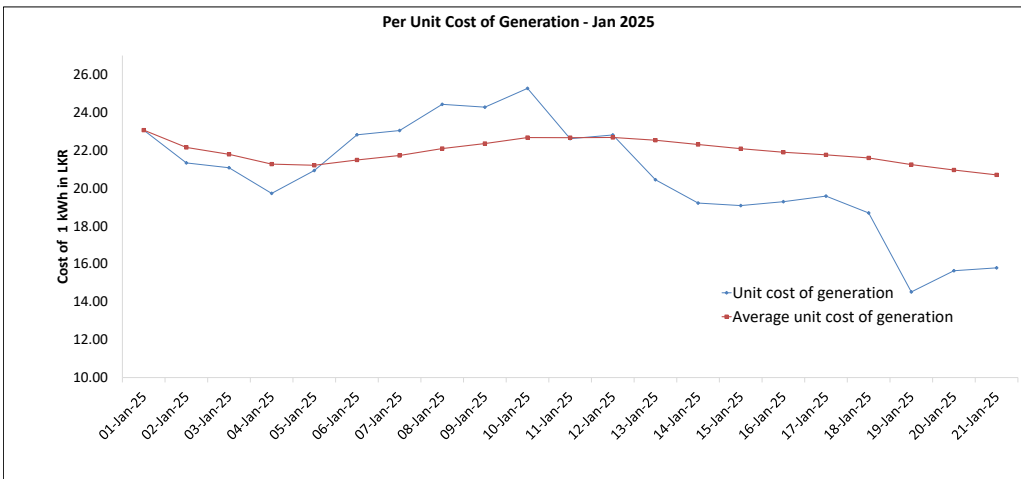
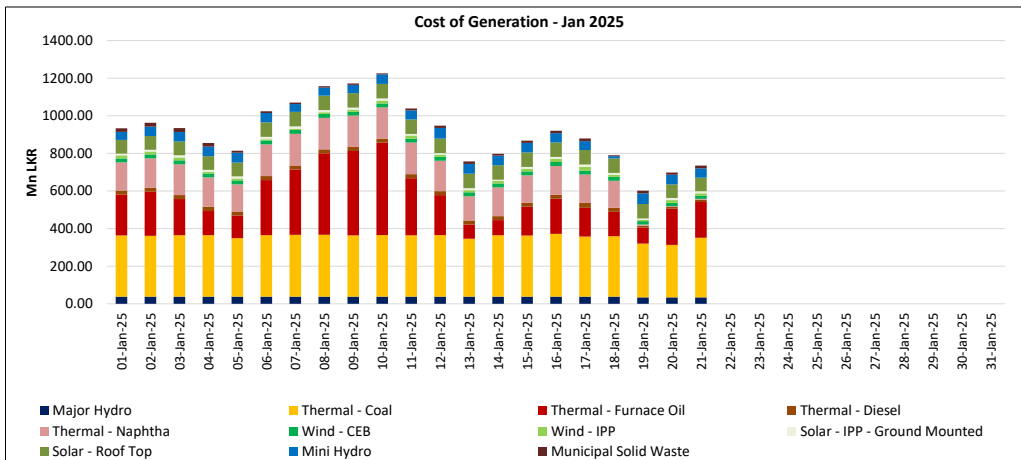
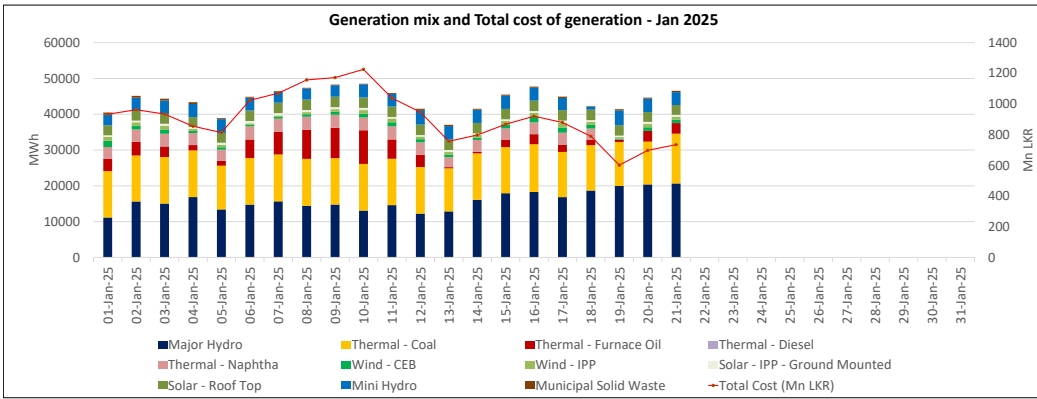
Plant Type	Generation (GWh)	Percentage
Major Hydro	21.0	48%
Thermal - Coal	12.9	30%
Thermal - Furnace Oil	3.6	8%
Thermal - Diesel	0.2	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.9	2%
Wind - IPP		
BMP	0.4	1%
Solar	0.1	0%
Mini Hydro	4.3	10%
Total	43.33	

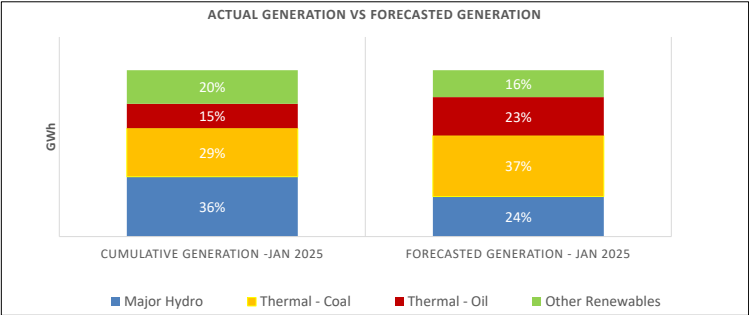
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 681 Mn LKR

Actual Generation Mix - 21st Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.7	47%
Thermal - Coal	13.9	32%
Thermal - Furnace Oil	3.0	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.9	2%
Wind - IPP	0.8	2%
BMP	0.4	0.9%
Solar	0.6	1%
Mini Hydro	3.4	8%
Total	43.62	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 660 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	333	341
Thermal - Coal	270	519
Thermal - Oil	136	328
Other Renewables	187	229
Total	927	1,417

Forecasted Generation - SDDP Dec 2024

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	790	Mn LKR
Thermal - Coal	6,720	Mn LKR
Thermal - Furnace Oil	4,672	Mn LKR
Thermal - Diesel	419	Mn LKR
Thermal - Naphtha	2,827	Mn LKR
Wind - CEB	429	Mn LKR
Wind - IPP	263	Mn LKR
Solar - IPP - Ground Mounted	218	Mn LKR
Solar - Roof Top	1,588	Mn LKR
Mini Hydro	1,001	Mn LKR
Municipal Solid Waste	255	Mn LKR
Total Generation Cost	19,183	Mn LKR

Generation Energy Cost (Jan)	14,737	Mn LKR
*Generation Capacity Cost (Jan)	3,660	Mn LKR
Other Cost (Jan)	786	Mn LKR
Average Unit Cost of Generation (Jan)	20.70	LKR/kWh

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