



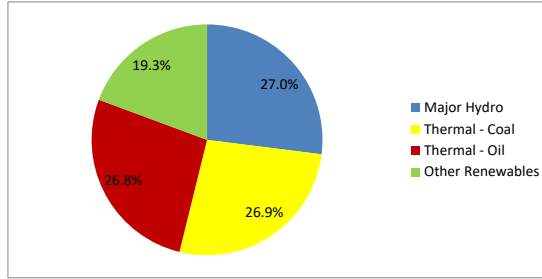
Daily Electricity Generation & Cost Estimation Report

10th January 2025



Daily Generation Mix - 10th January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.09	27.0%
Thermal - Coal	13.03	26.9%
Thermal - Furnace Oil	9.41	19.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.59	7.4%
Wind - CEB	1.06	2.2%
Wind - IPP	0.97	2.0%
Solar - IPP - Ground Mounted	0.62	1.3%
Solar - Roof Top	2.91	6.0%
Mini Hydro	3.68	7.6%
Municipal Solid Waste	0.14	0.3%
Total	48.51	



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

Estimated Generation Cost : 10th 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	38.2	38.2	0.00	0.00	2.92	2.92
Thermal - Coal	254.9	27.5	45.0	327.4	19.57	2.11	3.46	25.13
Thermal - Furnace Oil	430.8	9.4	51.7	491.8	45.78	1.00	5.49	52.27
Thermal - Diesel	0.1	1.5	19.8	21.3	74.37	1452.10	19756.77	21283.24
Thermal - Naphtha	160.6	1.9	3.3	165.7	44.74	0.53	0.91	46.18
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	19.62	19.62
Wind - IPP	15.0	0.0	0.0	15.0	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	12.1	0.0	0.0	12.1	19.47	0.00	0.00	19.47
Solar - Roof Top	77.0	0.0	0.0	77.0	26.47	0.00	0.00	26.47
Mini Hydro	50.7	0.0	0.0	50.7	13.76	0.00	0.00	13.76
Municipal Solid Waste	5.5	0.0	0.0	5.5	39.48	0.00	0.00	39.48
Total	1006.7	40.2	178.8	1225.7	20.75	0.83	3.69	25.27

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission 2024 (December figures)

Unit Cost of Generation for the day :

25.27 LKR/kWh

Total Generation Cost for the day:

1225.68 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 - 10th Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.1	30%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	9.6	22%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.2	3%
Wind - IPP		
BMP	0.2	0%
Solar	0.4	1%
Mini Hydro	2.8	6%
Total	43.87	

Actual Generation Mix - 10th Jan 2025 (Excluding generation from non telemetered power plants)

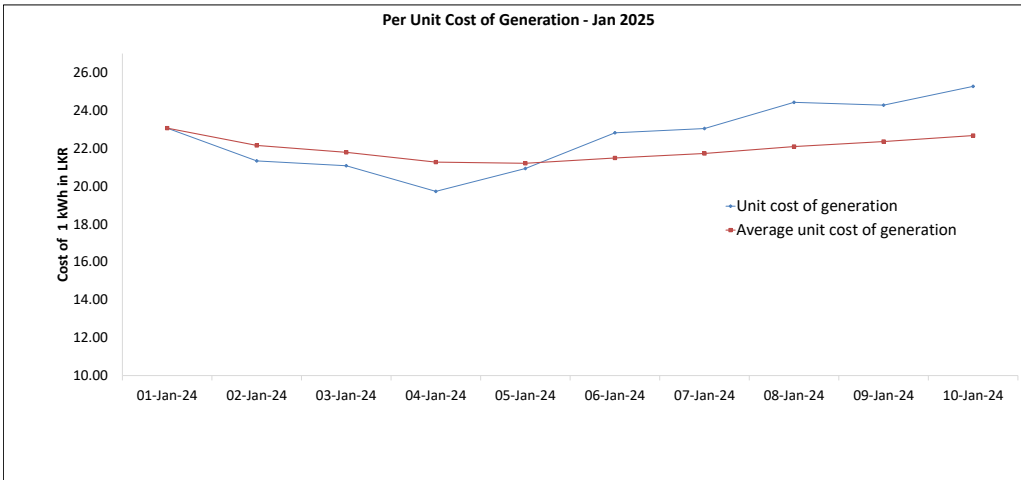
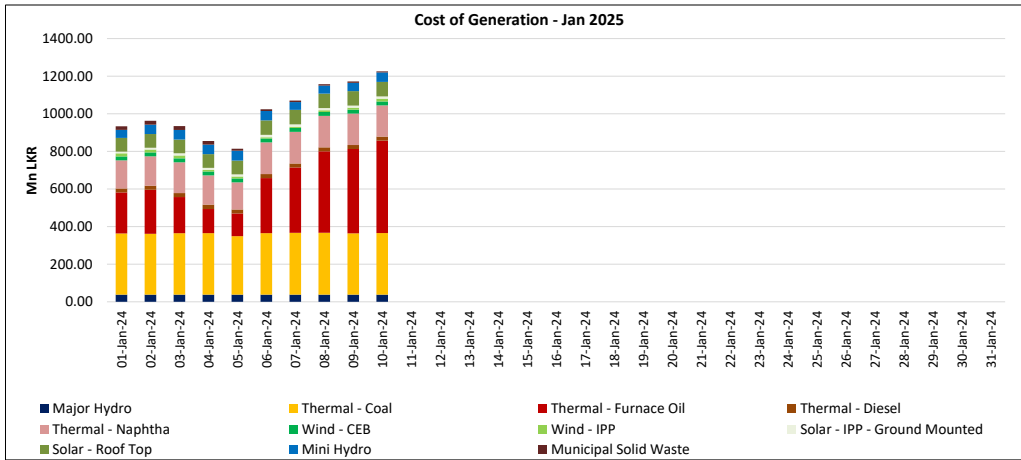
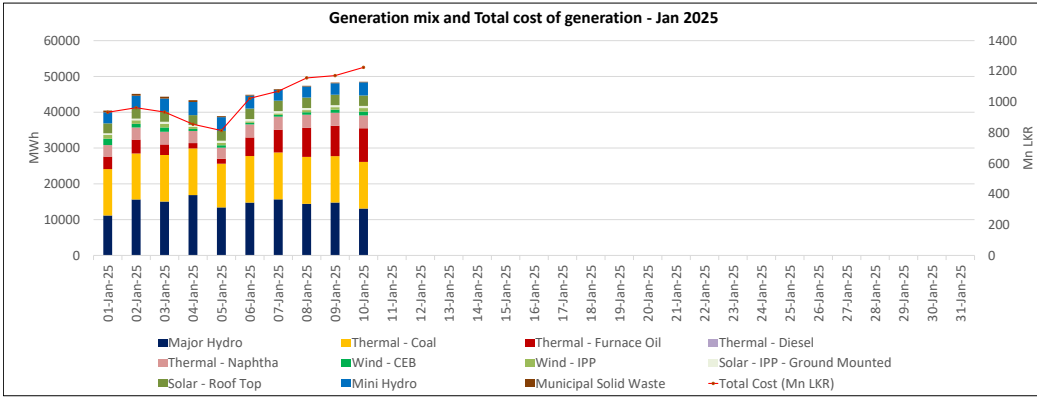
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.1	29%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	9.4	21%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.1	2%
Wind - IPP	1.0	2%
BMP	0.1	0.3%
Solar	0.6	1%
Mini Hydro	3.3	7%
Total	45.21	

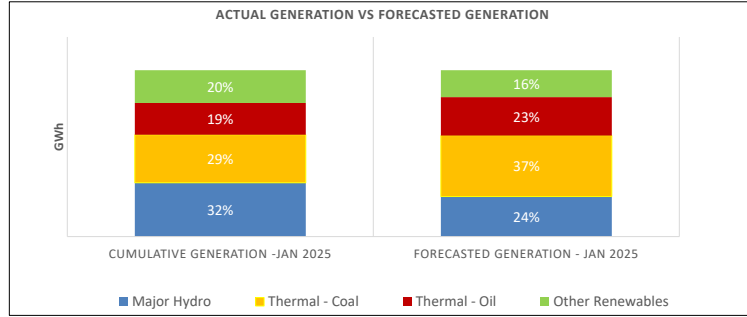
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

1,137 Mn LKR

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

1,143 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	145	341
Thermal - Coal	129	519
Thermal - Oil	86	328
Other Renewables	88	229
Total	448	1,417

Forecasted Generation - SDOP Dec 2024

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	382 Mn LKR
Thermal - Coal	3,251 Mn LKR
Thermal - Furnace Oil	2,909 Mn LKR
Thermal - Diesel	214 Mn LKR
Thermal - Naphtha	1,606 Mn LKR
Wind - CEB	209 Mn LKR
Wind - IPP	115 Mn LKR
Solar - IPP - Ground Mounted	112 Mn LKR
Solar - Roof Top	750 Mn LKR
Mini Hydro	476 Mn LKR
Municipal Solid Waste	127 Mn LKR
Total Generation Cost	10,149 Mn LKR

Generation Energy Cost (Jan)	7,959 Mn LKR
*Generation Capacity Cost (Jan)	1,788 Mn LKR
Other Cost (Jan)	402 Mn LKR
Average Unit Cost of Generation (Jan)	22.67 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.