



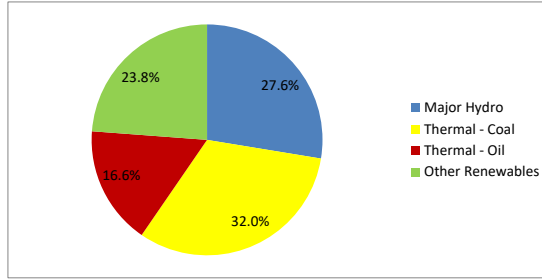
Daily Electricity Generation & Cost Estimation Report

1st January 2025



Daily Generation Mix - 1st January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.16	27.6%
Thermal - Coal	12.95	32.0%
Thermal - Furnace Oil	3.49	8.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.23	8.0%
Wind - CEB	1.77	4.4%
Wind - IPP	1.07	2.6%
Solar - IPP - Ground Mounted	0.47	1.2%
Solar - Roof Top	2.76	6.8%
Mini Hydro	3.10	7.7%
Municipal Solid Waste	0.48	1.2%
Total	40.47	



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

Estimated Generation Cost : 1st 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	3.42	3.42
Thermal - Coal	252.9	27.5	45.0	325.4	19.53	2.12	3.48	25.13
Thermal - Furnace Oil	156.9	9.4	51.7	218.0	44.93	2.69	14.79	62.41
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	144.3	1.9	3.3	149.5	44.74	0.60	1.01	46.34
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	11.82	11.82
Wind - IPP	16.6	0.0	0.0	16.6	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	9.2	0.0	0.0	9.2	19.47	0.00	0.00	19.47
Solar - Roof Top	73.0	0.0	0.0	73.0	26.47	0.00	0.00	26.47
Mini Hydro	42.6	0.0	0.0	42.6	13.76	0.00	0.00	13.76
Municipal Solid Waste	18.8	0.0	0.0	18.8	39.48	0.00	0.00	39.48
Total	714.2	40.2	178.8	933.2	17.65	0.99	4.42	23.06

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission 2024

Unit Cost of Generation for the day :

23.06 LKR/kWh

Total Generation Cost for the day:

933.25 Mn LKR

Fuel Prices

(as at 9th Dec 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	47.57
Naphtha	166.00
Auto Diesel	286.00

Scheduled (Day Ahead) Generation Mix - 1st Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.2	34%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	8.0	18%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.8	4%
Wind - IPP		
BMP	0.3	1%
Solar	0.4	1%
Mini Hydro	2.6	6%
Total	44.90	

Actual Generation Mix - 1st Jan 2025 (Excluding generation from non telemetered power plants)

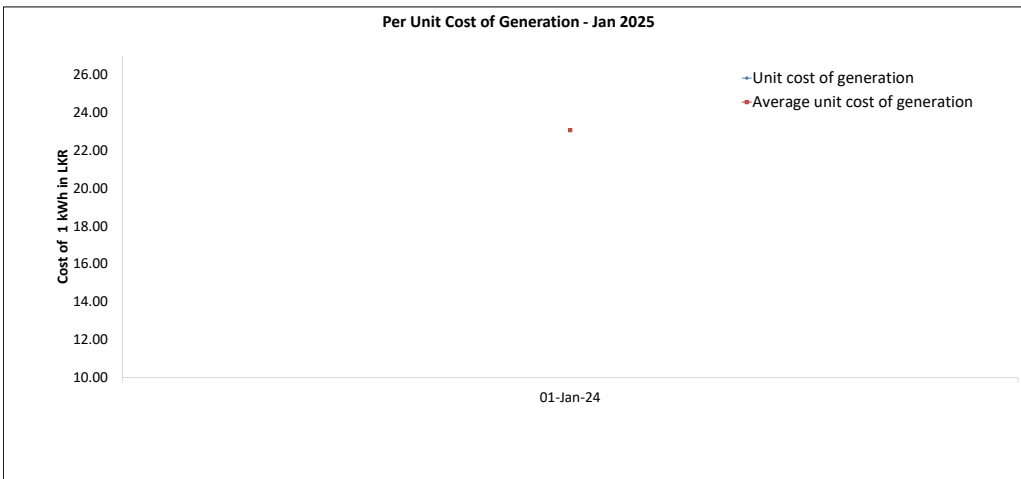
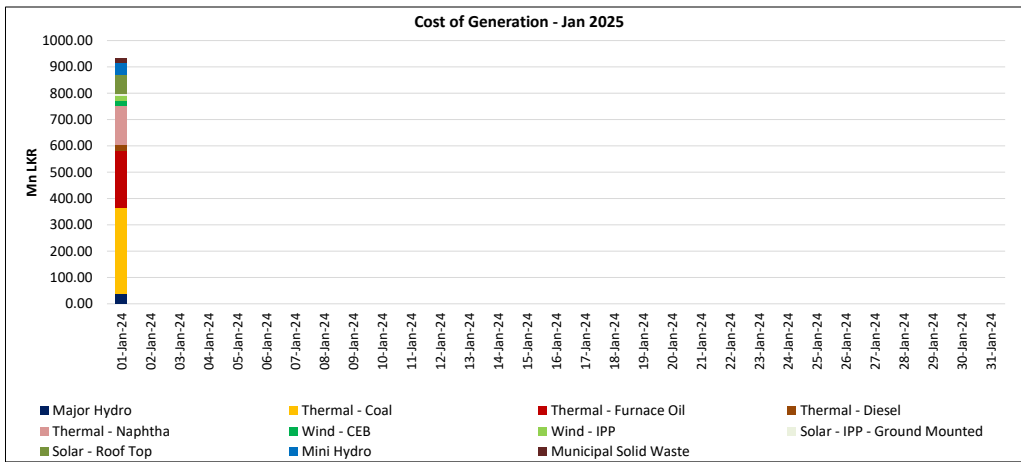
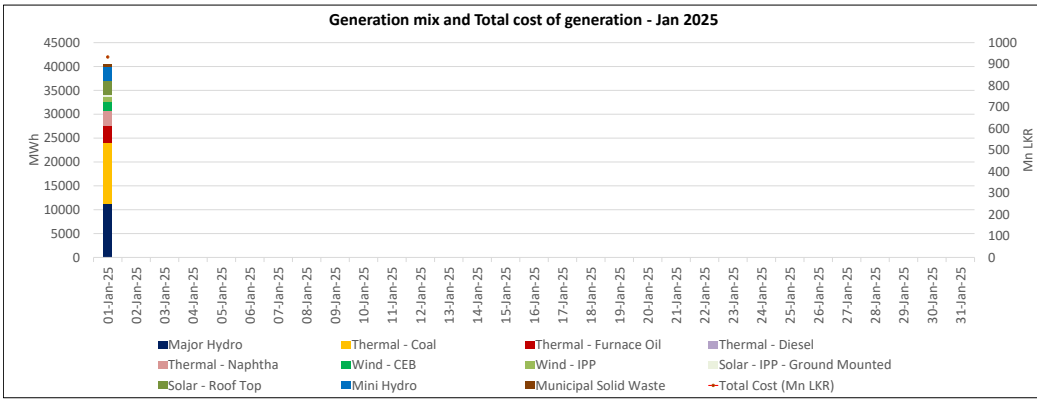
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.2	30%
Thermal - Coal	12.9	35%
Thermal - Furnace Oil	3.5	9%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.2	9%
Wind - CEB	1.8	5%
Wind - IPP	1.1	3%
BMP	0.5	1.3%
Solar	0.5	1%
Mini Hydro	2.9	8%
Total	37.53	

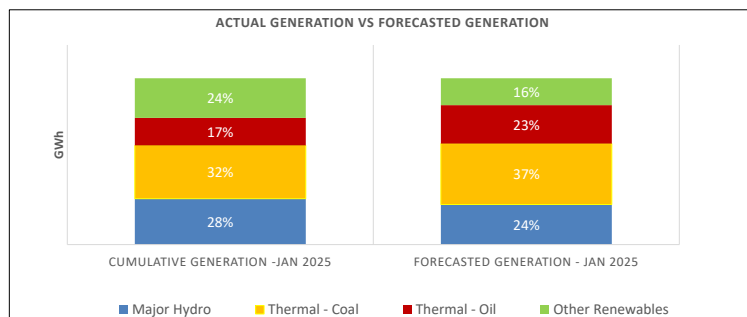
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

1,069 Mn LKR

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

858 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	11	341
Thermal - Coal	13	519
Thermal - Oil	7	328
Other Renewables	10	229
Total	40	1,417

Forecasted Generation - SDOP Dec 2024

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	38 Mn LKR
Thermal - Coal	325 Mn LKR
Thermal - Furnace Oil	218 Mn LKR
Thermal - Diesel	21 Mn LKR
Thermal - Naphtha	149 Mn LKR
Wind - CEB	21 Mn LKR
Wind - IPP	17 Mn LKR
Solar - IPP - Ground Mounted	9 Mn LKR
Solar - Roof Top	73 Mn LKR
Mini Hydro	43 Mn LKR
Municipal Solid Waste	19 Mn LKR
Total Generation Cost	933 Mn LKR

Generation Energy Cost (Jan)	714 Mn LKR
*Generation Capacity Cost (Jan)	179 Mn LKR
Other Cost (Jan)	40 Mn LKR
Average Unit Cost of Generation (Jan)	23.06 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.