



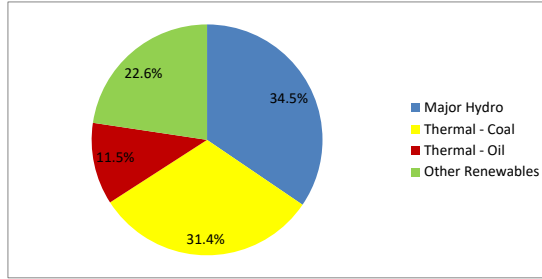
Daily Electricity Generation & Cost Estimation Report

5th January 2025



Daily Generation Mix - 5th January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.42	34.5%
Thermal - Coal	12.21	31.4%
Thermal - Furnace Oil	1.36	3.5%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.10	8.0%
Wind - CEB	0.68	1.8%
Wind - IPP	0.68	1.7%
Solar - IPP - Ground Mounted	0.59	1.5%
Solar - Roof Top	2.76	7.1%
Mini Hydro	3.83	9.8%
Municipal Solid Waste	0.27	0.7%
Total	38.90	



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

Estimated Generation Cost : 5th 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	2.85	2.85
Thermal - Coal	238.5	27.5	45.0	311.0	19.53	2.25	3.69	25.47
Thermal - Furnace Oil	59.6	9.4	51.7	120.7	43.79	6.89	37.97	88.65
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	138.9	1.9	3.3	144.0	44.74	0.62	1.05	46.41
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	30.57	30.57
Wind - IPP	10.6	0.0	0.0	10.6	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	11.4	0.0	0.0	11.4	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	52.7	0.0	0.0	52.7	13.76	0.00	0.00	13.76
Municipal Solid Waste	10.6	0.0	0.0	10.6	39.48	0.00	0.00	39.48
Total	595.2	40.2	178.8	814.3	15.30	1.03	4.60	20.93

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 :

20.93 LKR/kWh

Total Generation Cost for the day:

814.26 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 - 5th Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.9	42%
Thermal - Coal	12.1	34%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	2.7	8%
Wind - CEB	1.2	3%
Wind - IPP		
BMP	0.5	1%
Solar	0.4	1%
Mini Hydro	3.9	11%
Total	35.64	

Actual Generation Mix - 5th Jan 2025 (Excluding generation from non telemetered power plants)

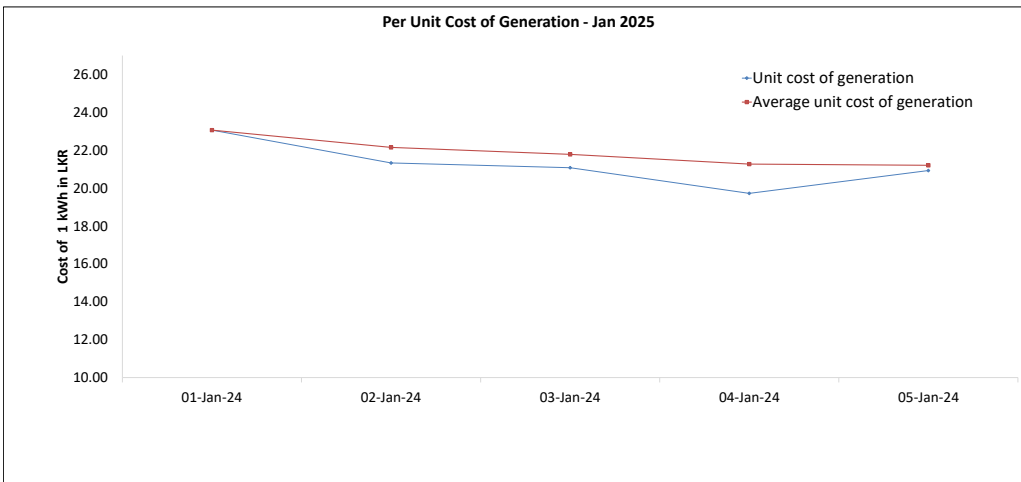
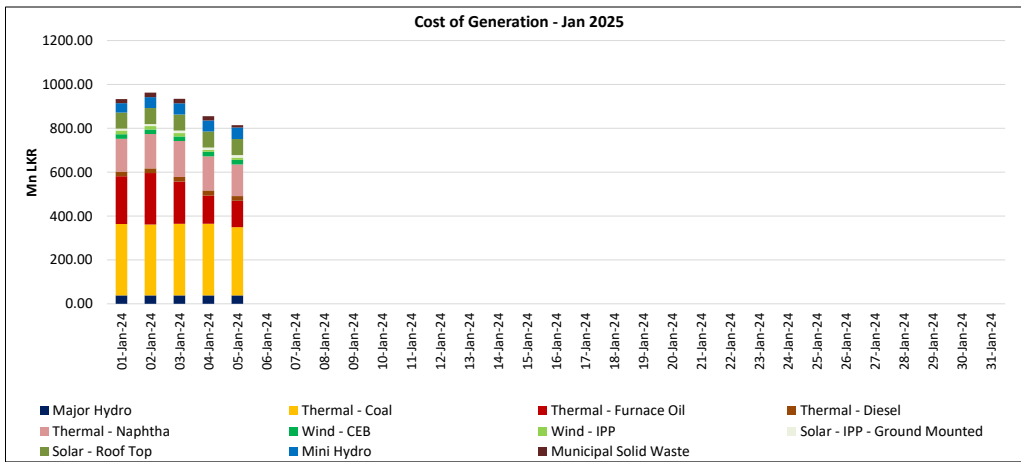
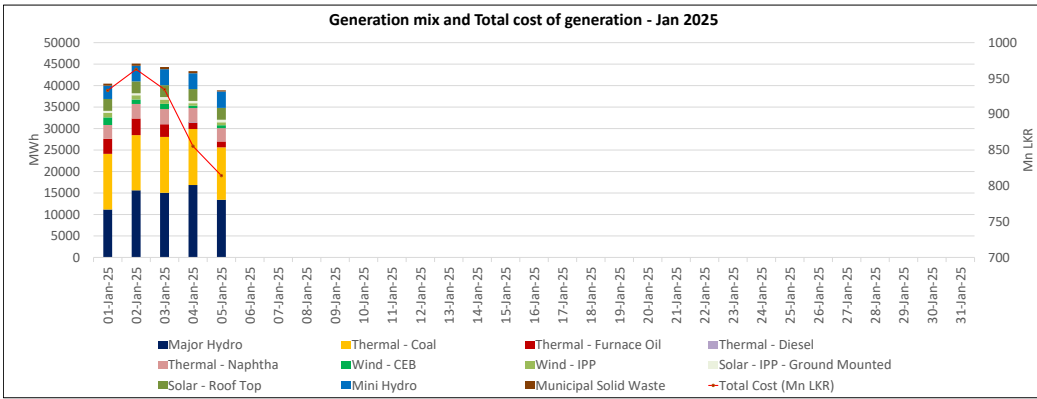
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.4	37%
Thermal - Coal	12.2	34%
Thermal - Furnace Oil	1.4	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.1	9%
Wind - CEB	0.7	2%
Wind - IPP	0.7	2%
BMP	0.3	0.7%
Solar	0.6	2%
Mini Hydro	3.6	10%
Total	35.93	

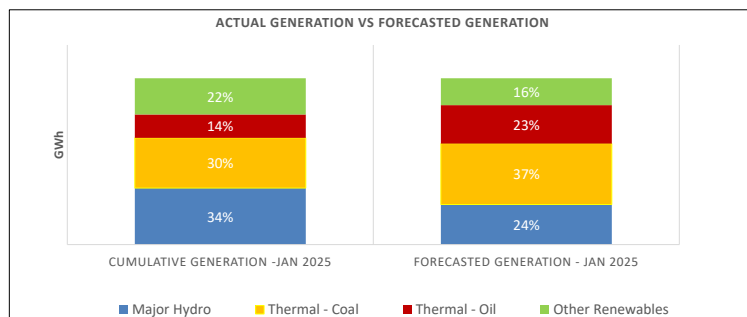
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

666 Mn LKR

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

738 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	72	341
Thermal - Coal	64	519
Thermal - Oil	30	328
Other Renewables	46	229
Total	212	1,417

Forecasted Generation - SDOP Dec 2024

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	191 Mn LKR
Thermal - Coal	1,613 Mn LKR
Thermal - Furnace Oil	894 Mn LKR
Thermal - Diesel	108 Mn LKR
Thermal - Naphtha	769 Mn LKR
Wind - CEB	104 Mn LKR
Wind - IPP	67 Mn LKR
Solar - IPP - Ground Mounted	52 Mn LKR
Solar - Roof Top	365 Mn LKR
Mini Hydro	247 Mn LKR
Municipal Solid Waste	90 Mn LKR
Total Generation Cost	4,500 Mn LKR

Generation Energy Cost (Jan)	3,405 Mn LKR
*Generation Capacity Cost (Jan)	894 Mn LKR
Other Cost (Jan)	201 Mn LKR
Average Unit Cost of Generation (Jan)	21.21 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.