



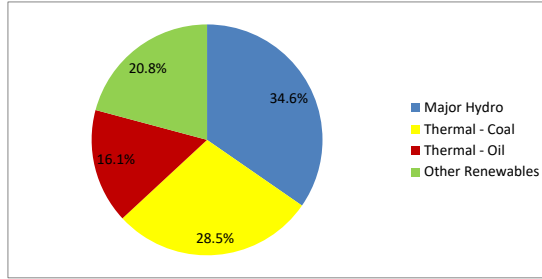
Daily Electricity Generation & Cost Estimation Report

2nd January 2025



Daily Generation Mix - 2nd January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.63	34.6%
Thermal - Coal	12.85	28.5%
Thermal - Furnace Oil	3.87	8.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.38	7.5%
Wind - CEB	1.03	2.3%
Wind - IPP	0.99	2.2%
Solar - IPP - Ground Mounted	0.47	1.1%
Solar - Roof Top	2.76	6.1%
Mini Hydro	3.63	8.0%
Municipal Solid Waste	0.52	1.2%
Total	45.13	



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

Estimated Generation Cost : 2nd 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	2.44	2.44
Thermal - Coal	250.9	27.5	45.0	323.4	19.53	2.14	3.51	25.17
Thermal - Furnace Oil	173.5	9.4	51.7	234.6	44.82	2.42	13.35	60.59
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	151.2	1.9	3.3	156.4	44.74	0.57	0.97	46.27
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	20.25	20.25
Wind - IPP	15.4	0.0	0.0	15.4	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	49.9	0.0	0.0	49.9	13.76	0.00	0.00	13.76
Municipal Solid Waste	20.5	0.0	0.0	20.5	39.48	0.00	0.00	39.48
Total	743.7	40.2	178.8	962.7	16.48	0.89	3.96	21.33

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 :

21.33 LKR/kWh

Total Generation Cost for the day:

962.73 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 - 2nd Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	17.0	38%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	5.3	12%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	2.1	5%
Wind - IPP		
BMP	0.4	1%
Solar	0.3	1%
Mini Hydro	2.8	6%
Total	44.61	

Actual Generation Mix - 2nd Jan 2025 (Excluding generation from non telemetered power plants)

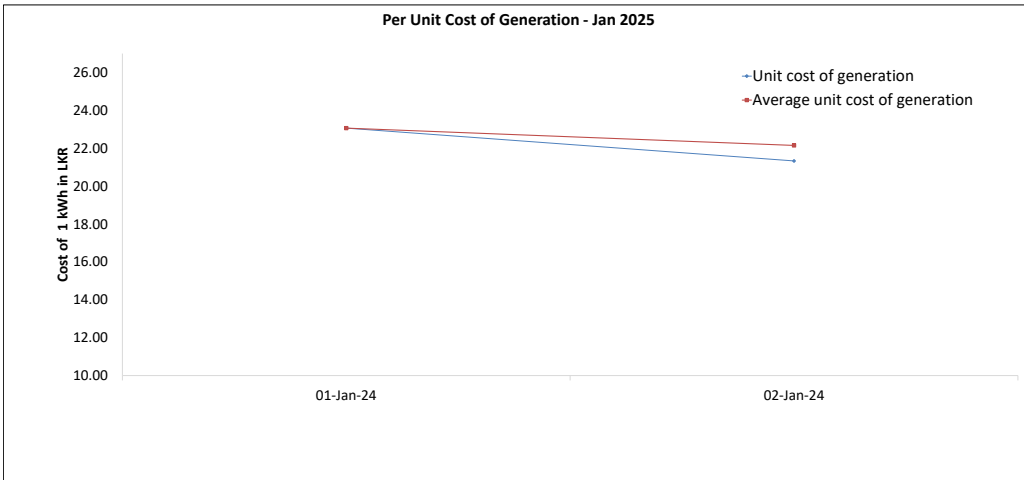
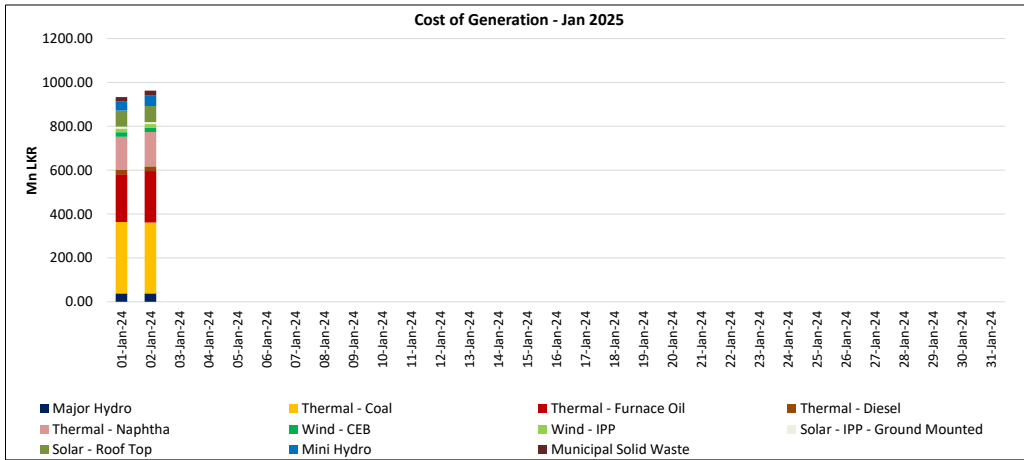
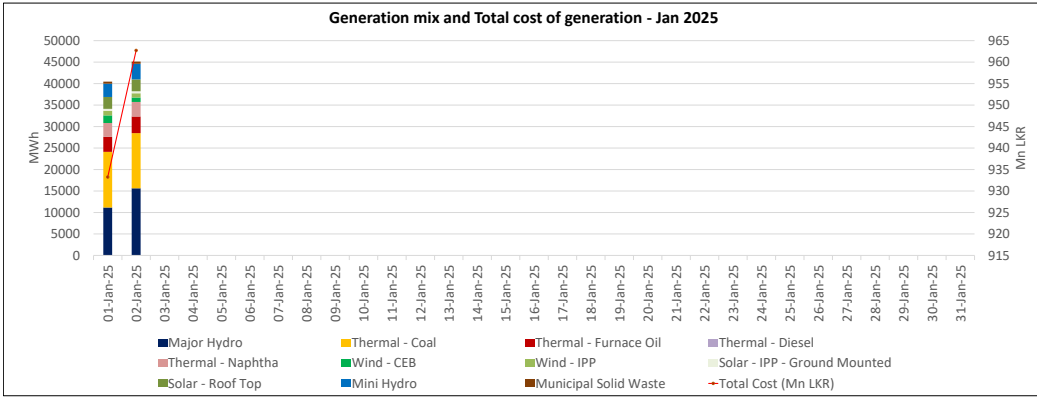
Plant Type	Generation (GWh)	Percentage
Major Hydro	15.6	37%
Thermal - Coal	12.8	30%
Thermal - Furnace Oil	3.9	9%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.4	8%
Wind - CEB	1.0	2%
Wind - IPP	1.0	2%
BMP	0.5	1.2%
Solar	0.5	1%
Mini Hydro	3.4	8%
Total	42.17	

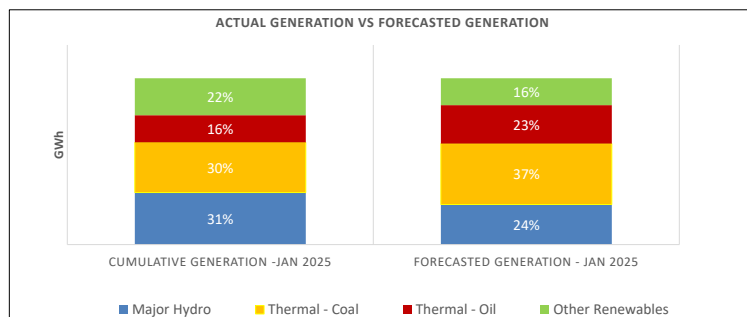
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

950 Mn LKR

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

887 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	27	341
Thermal - Coal	26	519
Thermal - Oil	14	328
Other Renewables	19	229
Total	86	1,417

Forecasted Generation - SDOP Dec 2024

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	76 Mn LKR
Thermal - Coal	649 Mn LKR
Thermal - Furnace Oil	453 Mn LKR
Thermal - Diesel	42 Mn LKR
Thermal - Naphtha	306 Mn LKR
Wind - CEB	42 Mn LKR
Wind - IPP	32 Mn LKR
Solar - IPP - Ground Mounted	18 Mn LKR
Solar - Roof Top	146 Mn LKR
Mini Hydro	93 Mn LKR
Municipal Solid Waste	39 Mn LKR
Total Generation Cost	1,896 Mn LKR

Generation Energy Cost (Jan)	1,458 Mn LKR
*Generation Capacity Cost (Jan)	358 Mn LKR
Other Cost (Jan)	80 Mn LKR
Average Unit Cost of Generation (Jan)	22.15 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.