



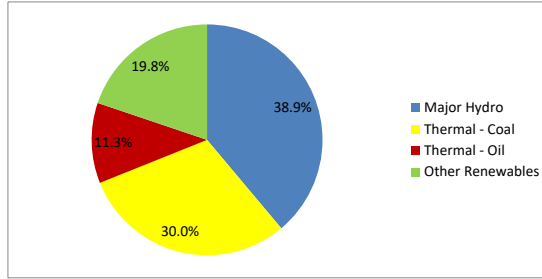
Daily Electricity Generation & Cost Estimation Report

4th January 2025



Daily Generation Mix - 4th January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.86	38.9%
Thermal - Coal	13.03	30.0%
Thermal - Furnace Oil	1.49	3.4%
Thermal - Diesel	0.03	0.1%
Thermal - Naphtha	3.36	7.7%
Wind - CEB	0.57	1.3%
Wind - IPP	0.55	1.3%
Solar - IPP - Ground Mounted	0.55	1.3%
Solar - Roof Top	2.76	6.4%
Mini Hydro	3.67	8.5%
Municipal Solid Waste	0.49	1.1%
Total	43.36	



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

Estimated Generation Cost : 4th 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	2.27	2.27
Thermal - Coal	254.4	27.5	45.0	326.9	19.53	2.11	3.46	25.09
Thermal - Furnace Oil	67.4	9.4	51.7	128.4	45.08	6.28	34.59	85.95
Thermal - Diesel	2.2	1.5	19.8	23.4	74.45	50.07	681.27	805.79
Thermal - Naphtha	150.2	1.9	3.3	155.4	44.74	0.57	0.97	46.28
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	36.50	36.50
Wind - IPP	8.6	0.0	0.0	8.6	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	10.6	0.0	0.0	10.6	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	50.5	0.0	0.0	50.5	13.76	0.00	0.00	13.76
Municipal Solid Waste	19.5	0.0	0.0	19.5	39.48	0.00	0.00	39.48
Total	636.3	40.2	178.8	855.3	14.67	0.93	4.12	19.72

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 :

19.72 LKR/kWh

Total Generation Cost for the day:

855.35 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 - 4th Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.9	41%
Thermal - Coal	13.0	34%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB	1.4	4%
Wind - IPP		
BMP	0.5	1%
Solar	0.2	1%
Mini Hydro	3.8	10%
Total	38.27	

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

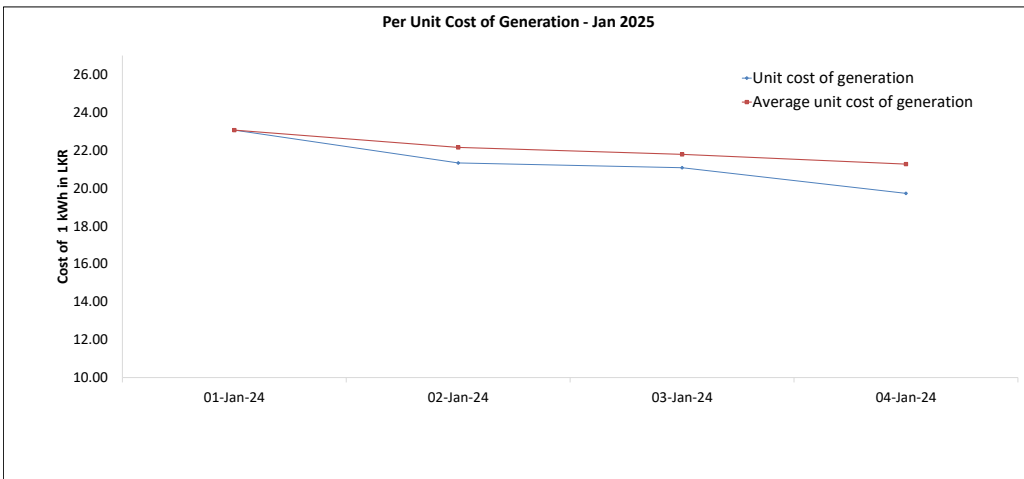
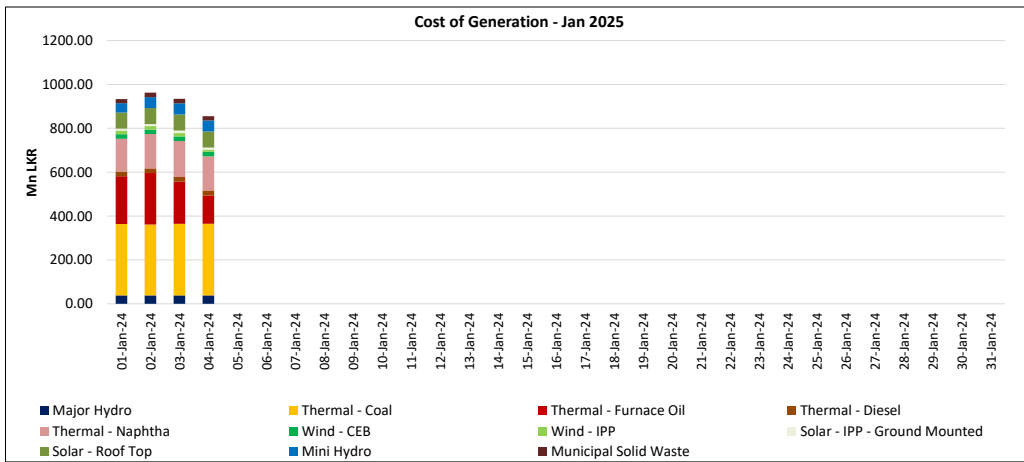
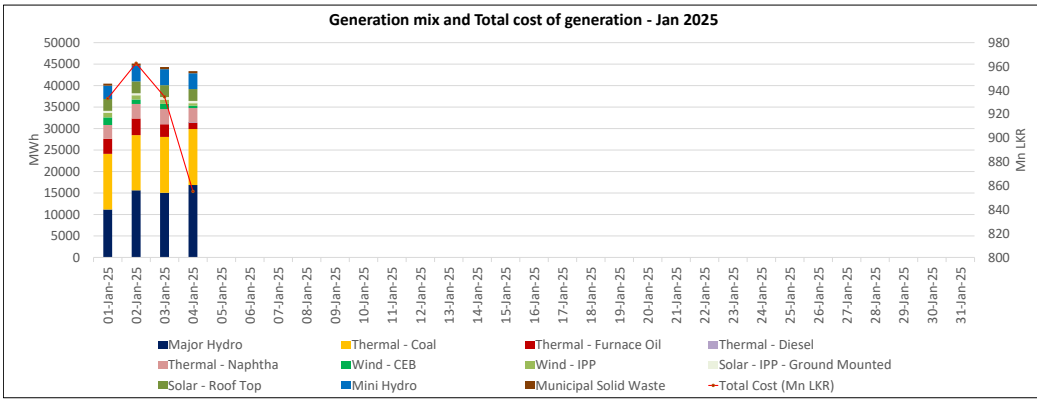
720 Mn LKR

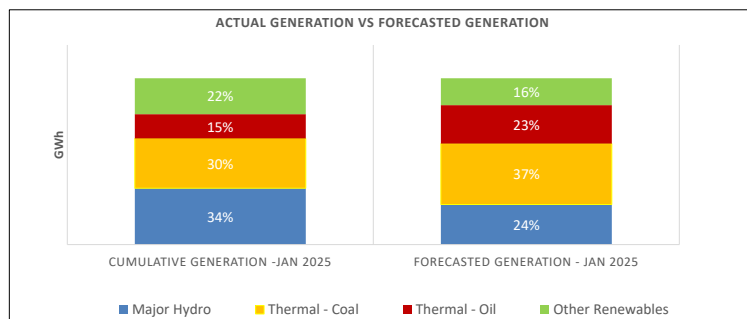
Actual Generation Mix - 4th Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.9	42%
Thermal - Coal	13.0	32%
Thermal - Furnace Oil	1.5	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.4	8%
Wind - CEB	0.6	1%
Wind - IPP	0.6	1%
BMP	0.5	1.2%
Solar	0.5	1%
Mini Hydro	3.5	9%
Total	40.40	

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

779 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	59	341
Thermal - Coal	52	519
Thermal - Oil	25	328
Other Renewables	37	229
Total	173	1,417

Forecasted Generation - SDOP Dec 2024

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	153 Mn LKR
Thermal - Coal	1,302 Mn LKR
Thermal - Furnace Oil	773 Mn LKR
Thermal - Diesel	87 Mn LKR
Thermal - Naphtha	625 Mn LKR
Wind - CEB	84 Mn LKR
Wind - IPP	56 Mn LKR
Solar - IPP - Ground Mounted	41 Mn LKR
Solar - Roof Top	292 Mn LKR
Mini Hydro	194 Mn LKR
Municipal Solid Waste	79 Mn LKR
Total Generation Cost	3,686 Mn LKR

Generation Energy Cost (Jan)	2,810 Mn LKR
*Generation Capacity Cost (Jan)	715 Mn LKR
Other Cost (Jan)	161 Mn LKR
Average Unit Cost of Generation (Jan)	21.27 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.