



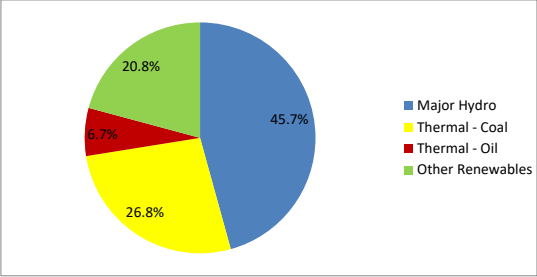
Daily Electricity Generation & Cost Estimation Report

20th January 2025



Daily Generation Mix - 20th January 2025

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.40	45.7%
Thermal - Coal	11.95	26.8%
Thermal - Furnace Oil	3.00	6.7%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.01	2.3%
Wind - IPP	0.95	2.1%
Solar - IPP - Ground Mounted	0.58	1.3%
Solar - Roof Top	2.73	6.1%
Mini Hydro	3.73	8.4%
Municipal Solid Waste	0.30	0.7%
Total	44.64	



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

Estimated Generation Cost : 20th 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	34.1	34.1	0.00	0.00	1.67	1.67
Thermal - Coal	233.7	10.6	34.9	279.2	19.57	0.88	2.92	23.37
Thermal - Furnace Oil	135.3	7.7	49.4	192.4	45.13	2.55	16.50	64.19
Thermal - Diesel	0.0	1.6	7.5	9.1	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.0	3.3	4.3	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	17.8	17.8	0.00	0.00	17.62	17.62
Wind - IPP	14.7	0.0	0.0	14.7	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	11.3	0.0	0.0	11.3	19.47	0.00	0.00	19.47
Solar - Roof Top	72.3	0.0	0.0	72.3	26.47	0.00	0.00	26.47
Mini Hydro	51.3	0.0	0.0	51.3	13.76	0.00	0.00	13.76
Municipal Solid Waste	11.6	0.0	0.0	11.6	39.48	0.00	0.00	39.48
Total	530.2	20.8	147.1	698.1	11.88	0.47	3.29	15.64

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission 2025

Unit Cost of Generation for the day : 15.64 LKR/kWh
Total Generation Cost for the day: 698.09 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 - 20th Jan 2025 (Excluding generation from non telemetered power plants)

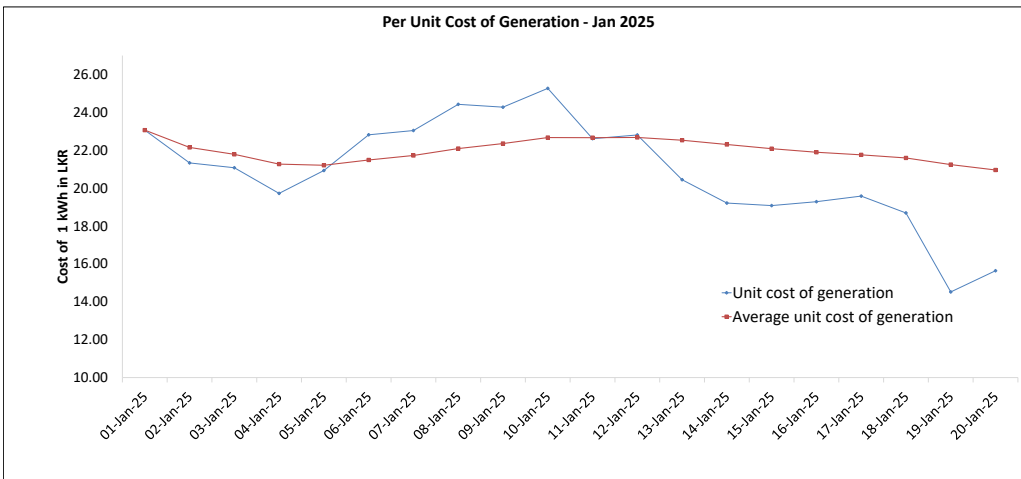
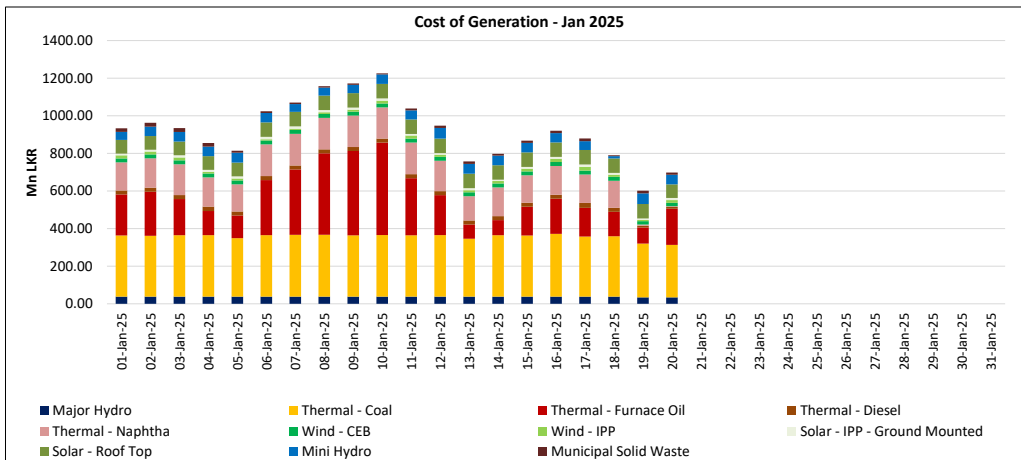
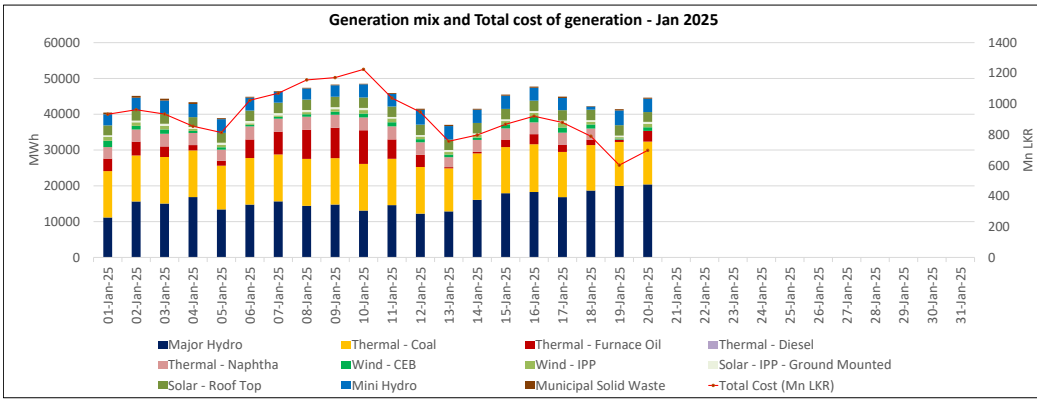
Plant Type	Generation (GWh)	Percentage
Major Hydro	21.5	50%
Thermal - Coal	12.2	29%
Thermal - Furnace Oil	1.9	4%
Thermal - Diesel	0.2	0%
Thermal - Naphtha	1.3	3%
Wind - CEB	1.5	3%
Wind - IPP		
BMP	0.4	1%
Solar	0.2	0%
Mini Hydro	3.6	8%
Total	42.68	

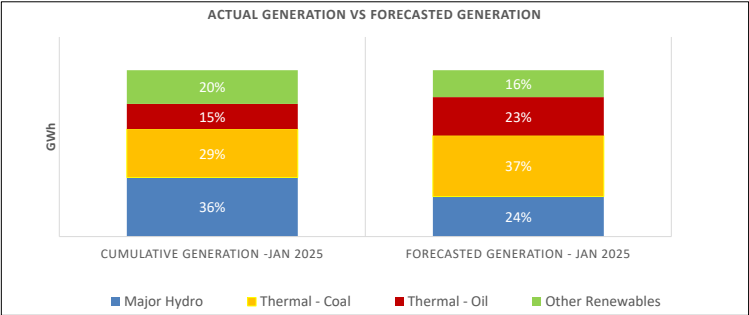
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 647 Mn LKR

Actual Generation Mix - 20th Jan 2025 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.4	49%
Thermal - Coal	11.9	29%
Thermal - Furnace Oil	3.0	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.0	2%
Wind - IPP	0.9	2%
BMP	0.3	0.7%
Solar	0.6	1%
Mini Hydro	3.5	8%
Total	41.70	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 623 Mn LKR





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	313	341
Thermal - Coal	256	519
Thermal - Oil	133	328
Other Renewables	178	229
Total	880	1,417

Forecasted Generation - SDDP Dec 2024

Estimated Cost of Generation - Jan 2025 (Mn LKR)

Major Hydro	756	Mn LKR
Thermal - Coal	6,403	Mn LKR
Thermal - Furnace Oil	4,482	Mn LKR
Thermal - Diesel	407	Mn LKR
Thermal - Naphtha	2,822	Mn LKR
Wind - CEB	411	Mn LKR
Wind - IPP	251	Mn LKR
Solar - IPP - Ground Mounted	208	Mn LKR
Solar - Roof Top	1,516	Mn LKR
Mini Hydro	952	Mn LKR
Municipal Solid Waste	241	Mn LKR
Total Generation Cost	18,448	Mn LKR

Generation Energy Cost (Jan)	14,170	Mn LKR
*Generation Capacity Cost (Jan)	3,513	Mn LKR
Other Cost (Jan)	765	Mn LKR
Average Unit Cost of Generation (Jan)	20.96	LKR/kWh

Note -
* Capacity cost is based on the approved BST submission.