



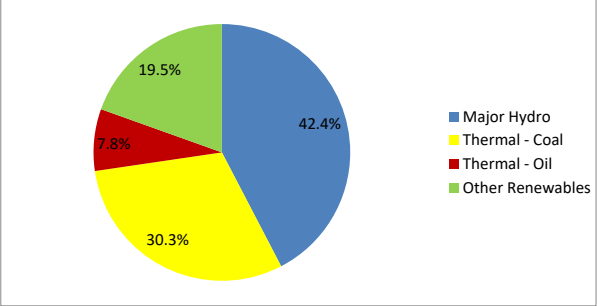
Daily Electricity Generation & Cost Estimation Report

25th December 2024



Daily Generation Mix - 25th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.06	42.4%
Thermal - Coal	11.49	30.3%
Thermal - Furnace Oil	0.00	0.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	2.95	7.8%
Wind - CEB	0.05	0.1%
Wind - IPP	0.09	0.2%
Solar - IPP - Ground Mounted	0.73	1.9%
Solar - Roof Top	2.76	7.3%
Mini Hydro	3.48	9.2%
Municipal Solid Waste	0.29	0.8%
Total	37.90	



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

Estimated Generation Cost : 25th December 2024

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	2.38	2.38
Thermal - Coal	224.4	27.5	45.0	296.9	19.53	2.39	3.92	25.84
Thermal - Furnace Oil	0.0	9.4	51.7	61.1	0.00	0.00	0.00	0.00
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	132.1	1.9	3.3	137.3	44.74	0.65	1.10	46.49
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	386.64	386.64
Wind - IPP	1.3	0.0	0.0	1.3	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	14.1	0.0	0.0	14.1	19.28	0.00	0.00	19.28
Solar - Roof Top	68.8	0.0	0.0	68.8	24.92	0.00	0.00	24.92
Mini Hydro	46.9	0.0	0.0	46.9	13.47	0.00	0.00	13.47
Municipal Solid Waste	11.5	0.0	0.0	11.5	39.15	0.00	0.00	39.15
Total	499.0	40.2	178.8	718.0	13.17	1.06	4.72	18.95

Note -
Start/Stop costs has been excluded in the calculation
Capacity cost is based on the approved BST submission.

Unit Cost of Generation for the day : 18.95 LKR/kWh
Total Generation Cost for the day: 718.05 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 - 25th Dec 2024 (Excluding generation from non telemetered power plants)

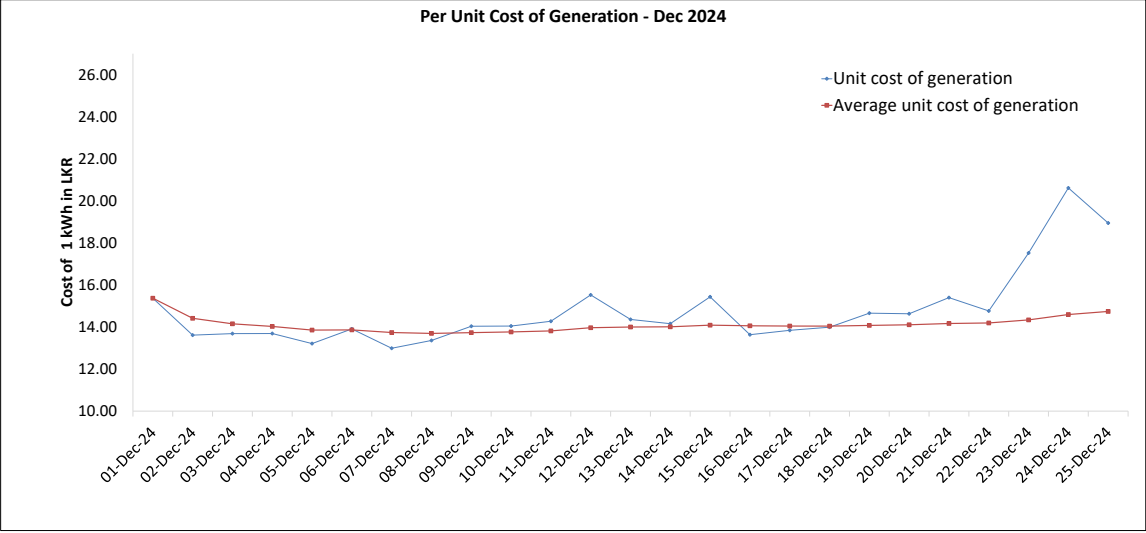
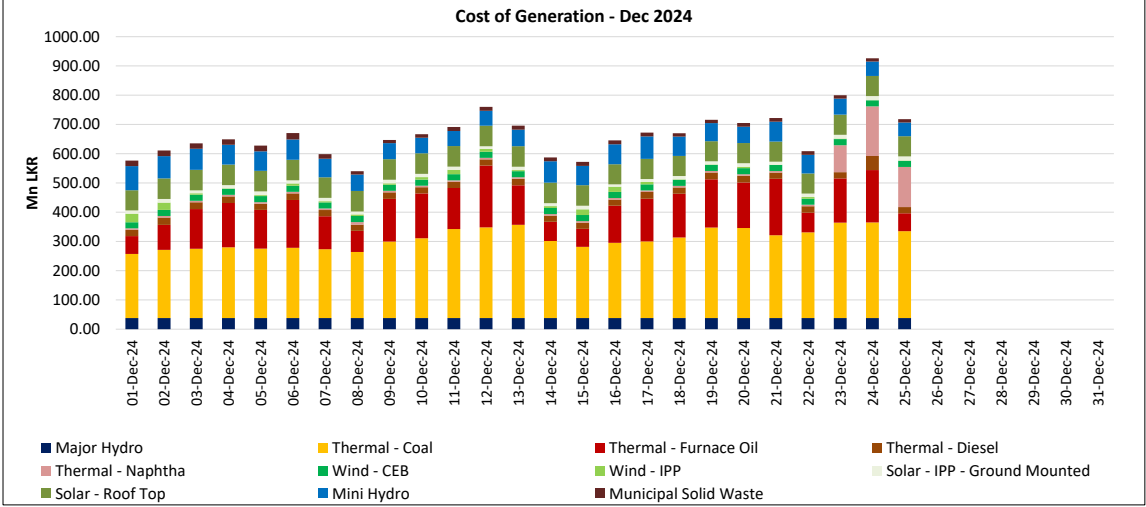
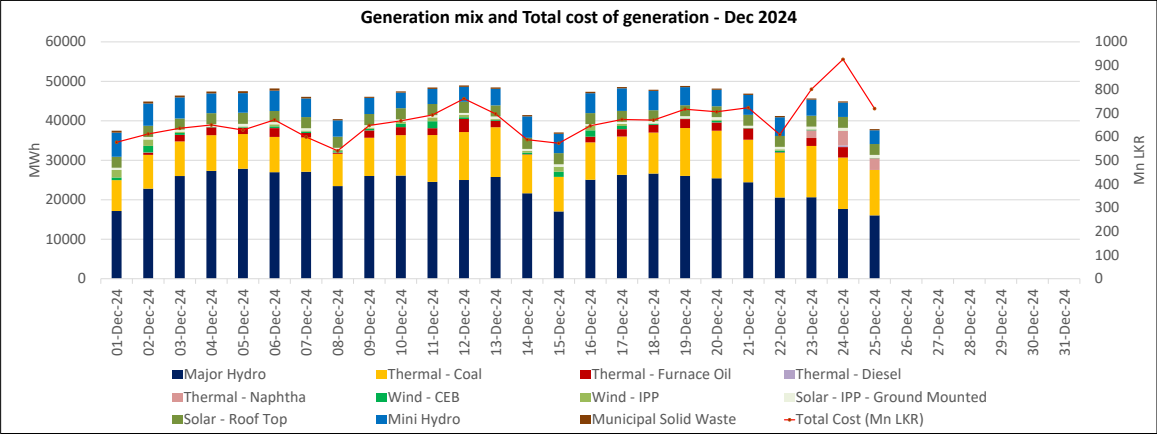
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.7	44%
Thermal - Coal	12.9	34%
Thermal - Furnace Oil	0.1	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.3	9%
Wind - CEB		
Wind - IPP	0.1	0%
BMP	0.3	1%
Solar	0.6	1%
Mini Hydro	3.8	10%
Total	37.76	

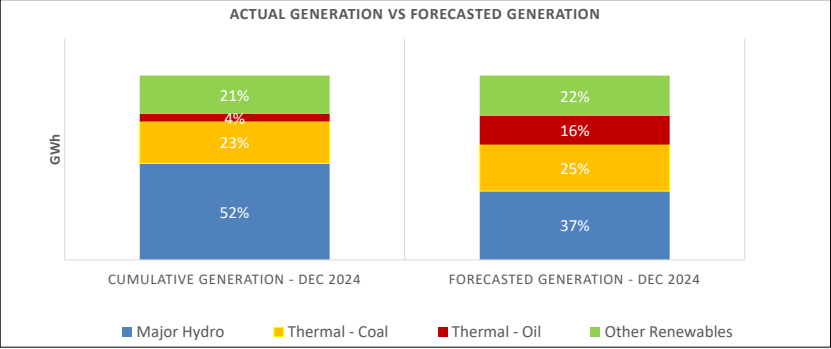
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 696 Mn LKR

Actual Generation Mix - 25th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.1	46%
Thermal - Coal	11.5	33%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.0	8%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.3	0.8%
Solar	0.7	2%
Mini Hydro	3.3	9%
Total	34.94	

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





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	594	520
Thermal - Coal	257	351
Thermal - Oil	47	218
Other Renewables	236	305
Total	1,134	1,394

Forecasted Generation - SDDP Dec 2024

Estimated Cost of Generation - Dec 2024 (Mn LKR)

Major Hydro	955	Mn LKR
Thermal - Coal	6,780	Mn LKR
Thermal - Furnace Oil	3,221	Mn LKR
Thermal - Diesel	576	Mn LKR
Thermal - Naphtha	516	Mn LKR
Wind - CEB	522	Mn LKR
Wind - IPP	192	Mn LKR
Solar - IPP - Ground Mounted	282	Mn LKR
Solar - Roof Top	1,740	Mn LKR
Mini Hydro	1,572	Mn LKR
Municipal Solid Waste	355	Mn LKR
Total Generation Cost	16,711	Mn LKR

Generation Energy Cost (Dec)	11,235	Mn LKR
*Generation Capacity Cost (Dec)	4,471	Mn LKR
Other Cost (Dec)	1,005	Mn LKR

Average Unit Cost of Generation (Dec)	14.74	LKR/kWh
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Note -
* Capacity cost is based on the approved BST submission.