



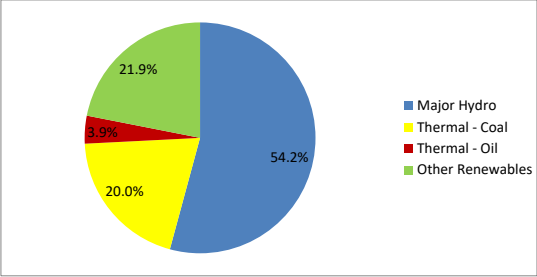
Daily Electricity Generation & Cost Estimation Report

17th December 2024



Daily Generation Mix - 17th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.32	54.2%
Thermal - Coal	9.70	20.0%
Thermal - Furnace Oil	1.87	3.8%
Thermal - Diesel	0.03	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.78	1.6%
Wind - IPP	0.52	1.1%
Solar - IPP - Ground Mounted	0.53	1.1%
Solar - Roof Top	2.76	5.7%
Mini Hydro	5.72	11.8%
Municipal Solid Waste	0.33	0.7%
Total	48.55	



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

Estimated Generation Cost : 17th 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	1.45	1.45
Thermal - Coal	189.5	27.5	45.0	262.0	19.53	2.83	4.64	27.00
Thermal - Furnace Oil	84.8	9.4	51.7	145.8	45.44	5.03	27.71	78.18
Thermal - Diesel	1.9	1.5	19.8	23.1	74.44	55.85	759.88	890.17
Thermal - Naphtha	0.0	1.9	3.3	5.2	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	26.77	26.77
Wind - IPP	8.0	0.0	0.0	8.0	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	10.2	0.0	0.0	10.2	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	77.0	0.0	0.0	77.0	13.47	0.00	0.00	13.47
Municipal Solid Waste	12.9	0.0	0.0	12.9	39.15	0.00	0.00	39.15
Total	453.1	40.2	178.8	672.1	9.33	0.83	3.68	13.84

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 : 13.84 LKR/kWh
Total Generation Cost for the day: 672.11 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 - 17th Dec 2024 (Excluding generation from non telemetered power plants)

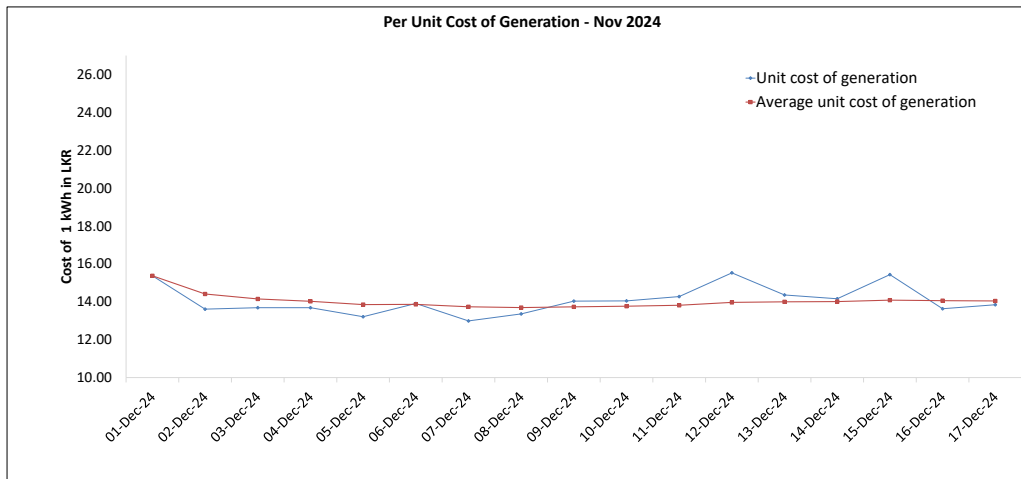
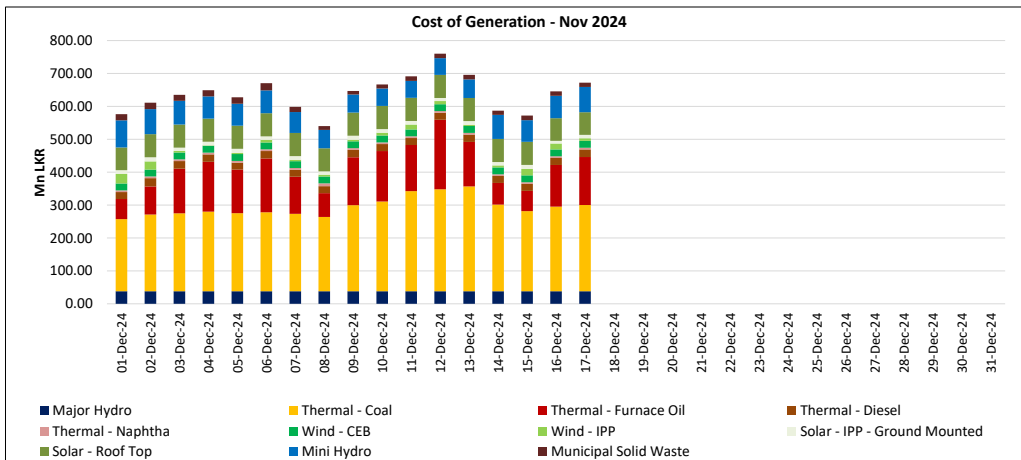
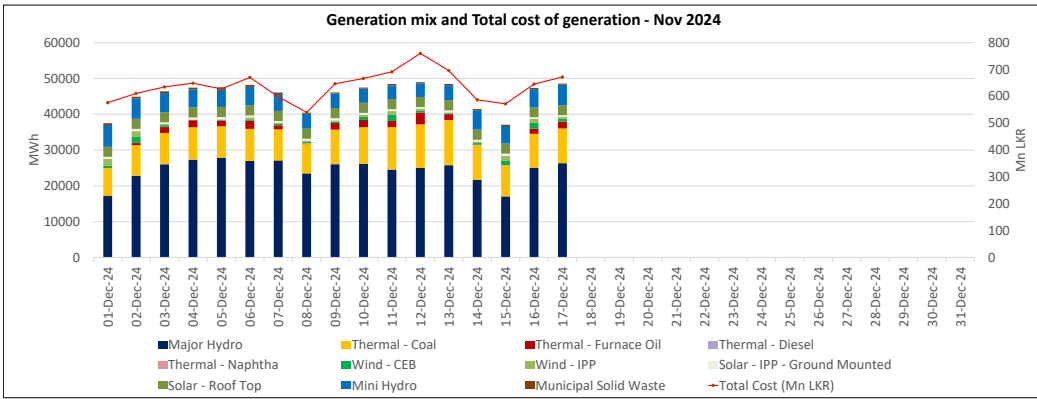
Plant Type	Generation (GWh)	Percentage
Major Hydro	27.0	62%
Thermal - Coal	8.9	20%
Thermal - Furnace Oil	1.1	3%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.4	3%
Wind - IPP		
BMP	0.3	1%
Solar	0.5	1%
Mini Hydro	4.6	11%
Total	43.83	

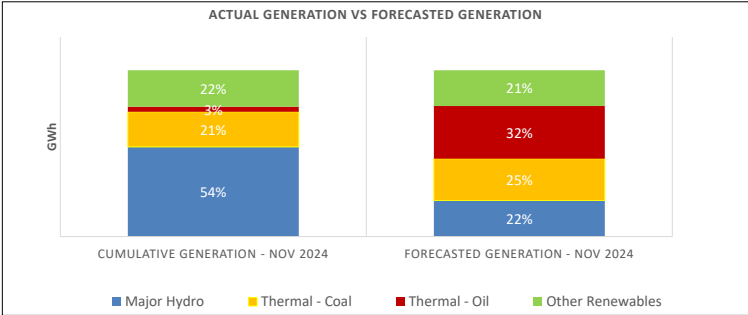
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 539 Mn LKR

Actual Generation Mix - 17th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.3	59%
Thermal - Coal	9.7	22%
Thermal - Furnace Oil	1.9	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.8	2%
Wind - IPP	0.5	1%
BMP	0.3	0.7%
Solar	0.5	1%
Mini Hydro	4.8	11%
Total	44.85	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 591 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	416	303
Thermal - Coal	163	350
Thermal - Oil	24	442
Other Renewables	169	300
Total	772	1,394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	649	Mn LKR
Thermal - Coal	4,362	Mn LKR
Thermal - Furnace Oil	2,100	Mn LKR
Thermal - Diesel	374	Mn LKR
Thermal - Naphtha	92	Mn LKR
Wind - CEB	355	Mn LKR
Wind - IPP	174	Mn LKR
Solar - IPP - Ground Mounted	185	Mn LKR
Solar - Roof Top	1,190	Mn LKR
Mini Hydro	1,105	Mn LKR
Municipal Solid Waste	261	Mn LKR
Total Generation Cost	10,846	Mn LKR

Generation Energy Cost (Nov)	7,123	Mn LKR
*Generation Capacity Cost (Nov)	3,040	Mn LKR
Other Cost (Nov)	683	Mn LKR
Average Unit Cost of Generation (Nov)	14.05	LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.