



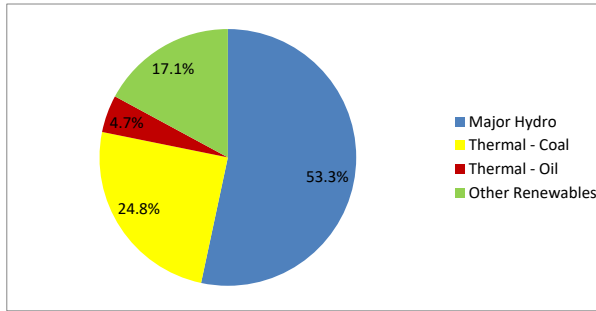
Daily Electricity Generation & Cost Estimation Report

19th December 2024



Daily Generation Mix - 19th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.05	53.3%
Thermal - Coal	12.12	24.8%
Thermal - Furnace Oil	2.27	4.7%
Thermal - Diesel	0.03	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.07	0.1%
Wind - IPP	0.09	0.2%
Solar - IPP - Ground Mounted	0.56	1.1%
Solar - Roof Top	2.76	5.7%
Mini Hydro	4.60	9.4%
Municipal Solid Waste	0.28	0.6%
Total	48.83	



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

Estimated Generation Cost : 19th 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	1.47	1.47
Thermal - Coal	236.8	27.5	45.0	309.3	19.53	2.26	3.72	25.51
Thermal - Furnace Oil	103.9	9.4	51.7	165.0	45.75	4.13	22.76	72.64
Thermal - Diesel	2.1	1.5	19.8	23.3	74.45	51.86	705.60	831.91
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	321.21	321.21
Wind - IPP	1.4	0.0	0.0	1.4	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	10.7	0.0	0.0	10.7	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	61.9	0.0	0.0	61.9	13.47	0.00	0.00	13.47
Municipal Solid Waste	11.1	0.0	0.0	11.1	39.15	0.00	0.00	39.15
Total	496.7	40.2	178.8	715.7	10.17	0.82	3.66	14.66

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 :

14.66 LKR/kWh

Total Generation Cost for the day:

715.75 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 - 19th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.0	59%
Thermal - Coal	11.0	25%
Thermal - Furnace Oil	1.3	3%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.5	1%
Wind - IPP		
BMP	0.3	1%
Solar	0.4	1%
Mini Hydro	4.8	11%
Total	44.24	

Actual Generation Mix - 19th Dec 2024 (Excluding generation from non telemetered power plants)

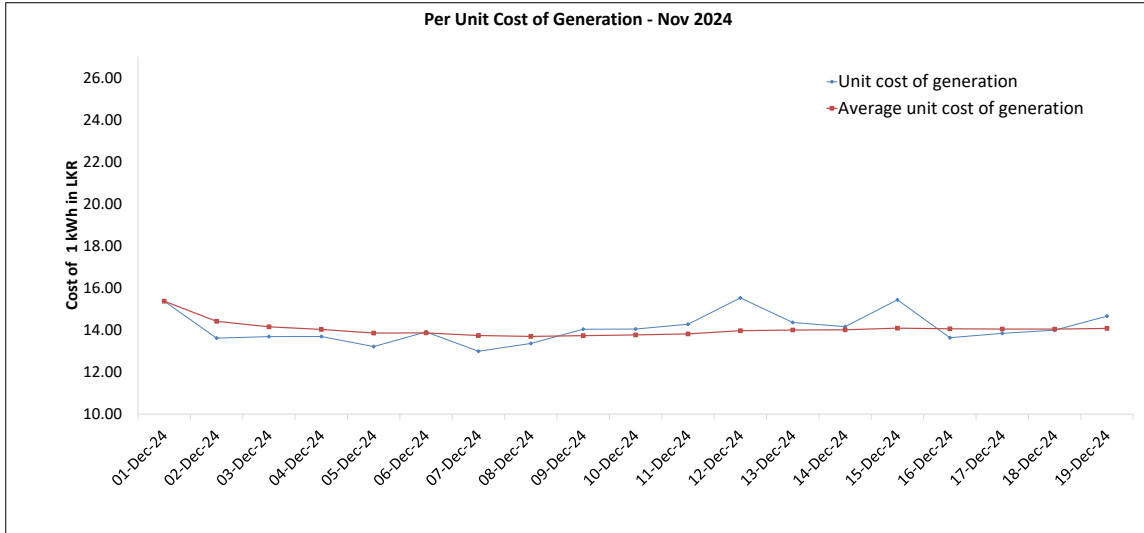
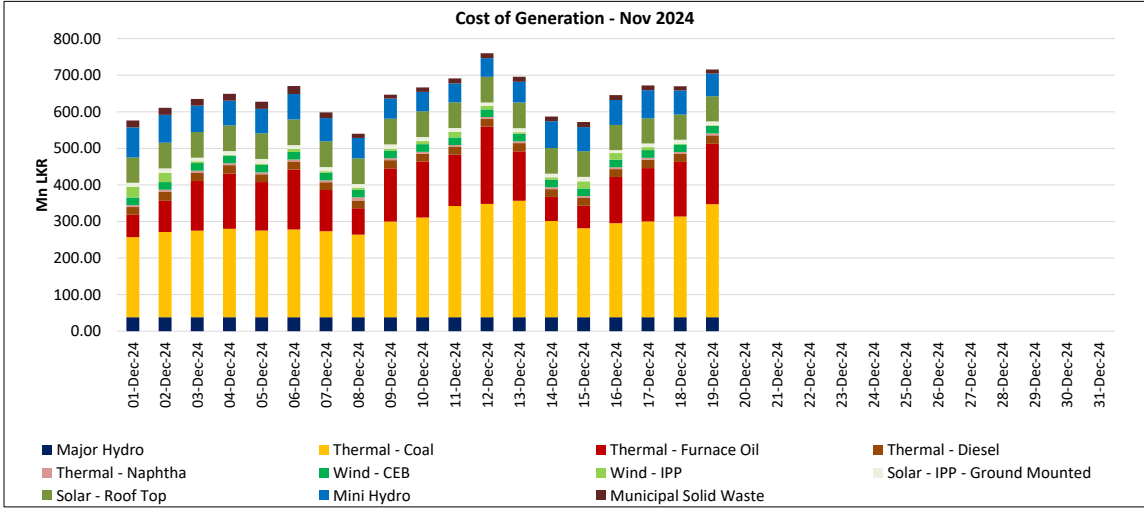
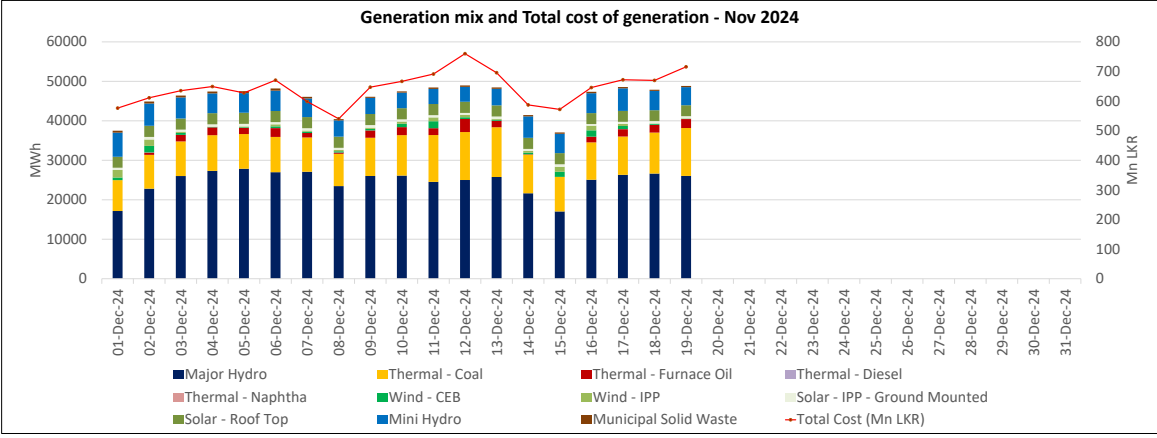
Plant Type	Generation (GWh)	Percentage
Major Hydro	26.0	57%
Thermal - Coal	12.1	27%
Thermal - Furnace Oil	2.3	5%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.3	0.6%
Solar	0.6	1%
Mini Hydro	3.8	8%
Total	45.31	

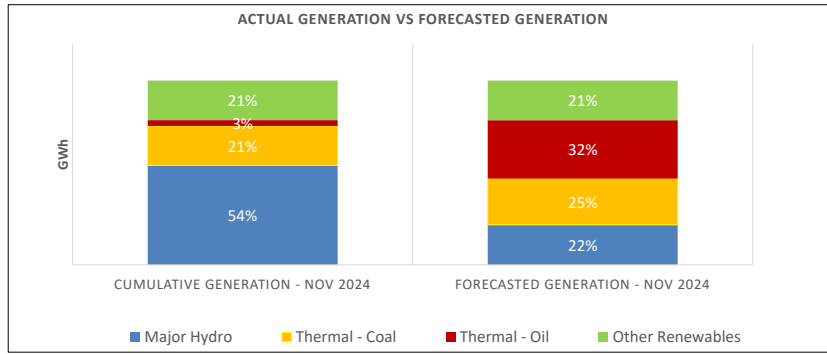
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

580 Mn LKR

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

637 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	469	303
Thermal - Coal	186	350
Thermal - Oil	28	442
Other Renewables	187	300
Total	869	1,394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	726 Mn LKR
Thermal - Coal	4,946 Mn LKR
Thermal - Furnace Oil	2,414 Mn LKR
Thermal - Diesel	419 Mn LKR
Thermal - Naphtha	102 Mn LKR
Wind - CEB	397 Mn LKR
Wind - IPP	177 Mn LKR
Solar - IPP - Ground Mounted	207 Mn LKR
Solar - Roof Top	1,328 Mn LKR
Mini Hydro	1,233 Mn LKR
Municipal Solid Waste	283 Mn LKR
Total Generation Cost	12,232 Mn LKR

Generation Energy Cost (Nov)	8,070 Mn LKR
*Generation Capacity Cost (Nov)	3,398 Mn LKR
Other Cost (Nov)	764 Mn LKR

Average Unit Cost of Generation (Nov) 14.08 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.