



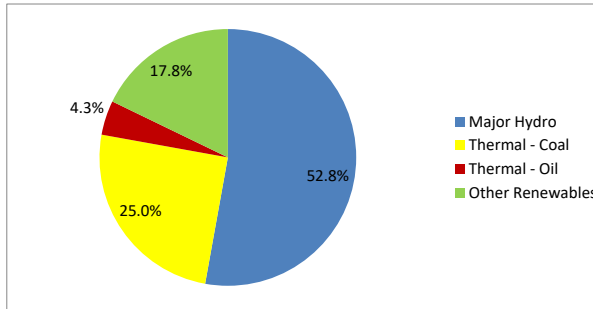
Daily Electricity Generation & Cost Estimation Report

20th December 2024



Daily Generation Mix - 20th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.45	52.8%
Thermal - Coal	12.05	25.0%
Thermal - Furnace Oil	2.07	4.3%
Thermal - Diesel	0.02	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.41	0.8%
Wind - IPP	0.31	0.6%
Solar - IPP - Ground Mounted	0.63	1.3%
Solar - Roof Top	2.76	5.7%
Mini Hydro	4.16	8.6%
Municipal Solid Waste	0.32	0.7%
Total	48.17	



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 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	1.50	1.50
Thermal - Coal	235.3	27.5	45.0	307.8	19.53	2.28	3.74	25.55
Thermal - Furnace Oil	94.5	9.4	51.7	155.6	45.77	4.54	25.03	75.34
Thermal - Diesel	1.8	1.5	19.8	23.0	74.46	60.50	823.20	958.16
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	51.05	51.05
Wind - IPP	4.7	0.0	0.0	4.7	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	12.2	0.0	0.0	12.2	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	56.0	0.0	0.0	56.0	13.47	0.00	0.00	13.47
Municipal Solid Waste	12.6	0.0	0.0	12.6	39.15	0.00	0.00	39.15
Total	485.8	40.2	178.8	704.8	10.08	0.83	3.71	14.63

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 :

14.63 LKR/kWh

Total Generation Cost for the day:

704.82 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 - 20th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.1	56%
Thermal - Coal	12.3	27%
Thermal - Furnace Oil	2.6	6%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.3	1%
Wind - IPP	0.3	1%
BMP	0.3	1%
Solar	0.4	1%
Mini Hydro	4.1	9%
Total	45.24	

Actual Generation Mix - 20th Dec 2024 (Excluding generation from non telemetered power plants)

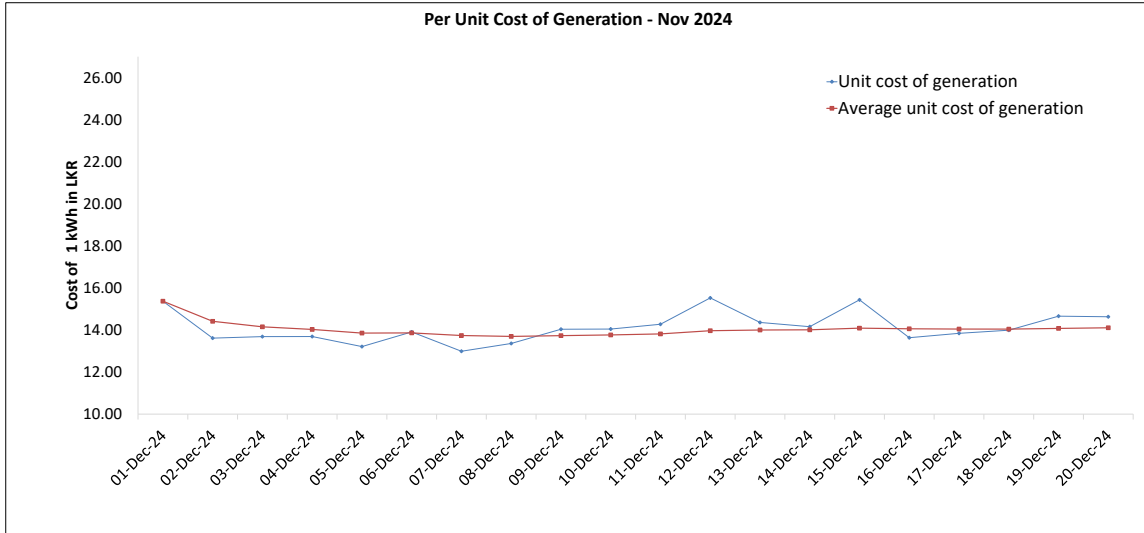
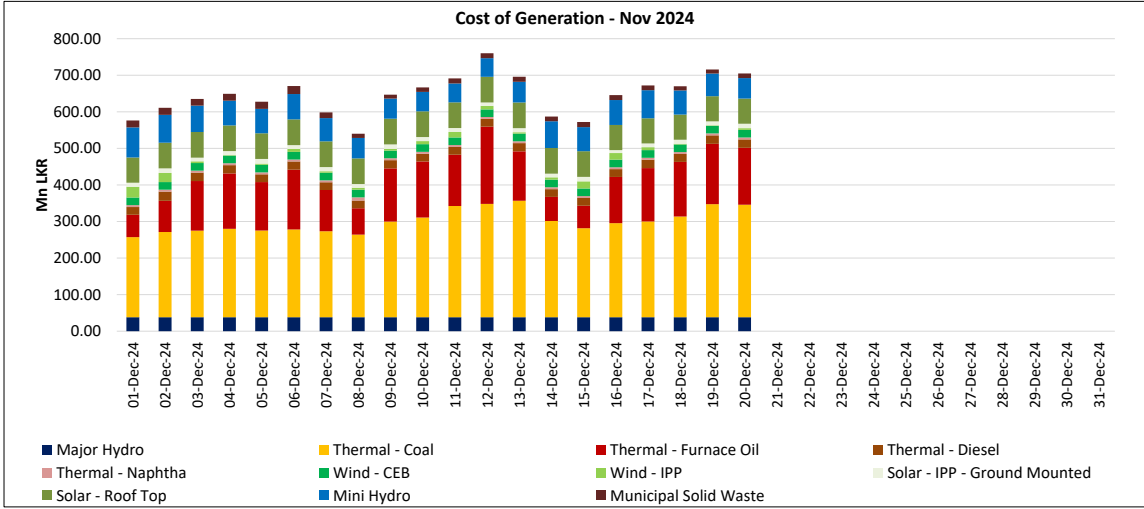
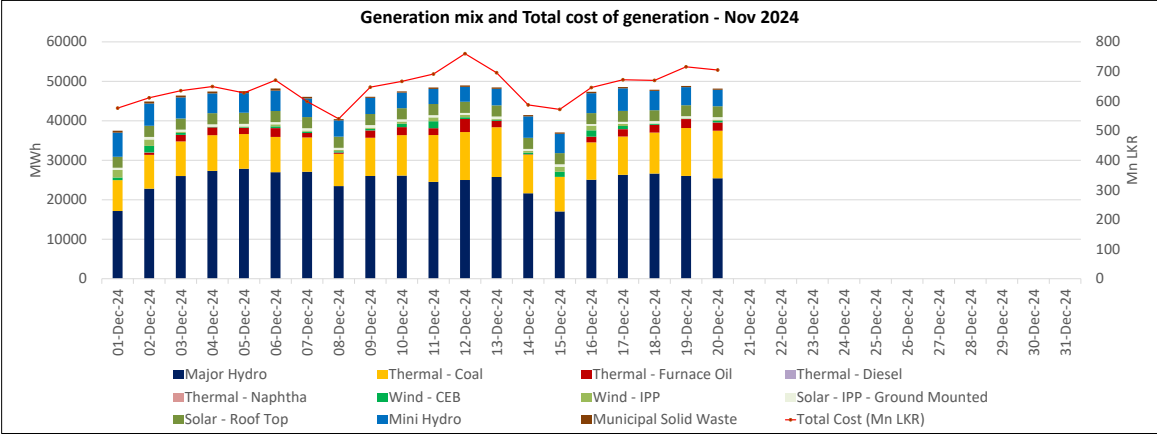
Plant Type	Generation (GWh)	Percentage
Major Hydro	25.5	56%
Thermal - Coal	12.0	27%
Thermal - Furnace Oil	2.1	5%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.4	1%
Wind - IPP	0.3	1%
BMP	0.3	0.7%
Solar	0.6	1%
Mini Hydro	3.9	9%
Total	45.18	

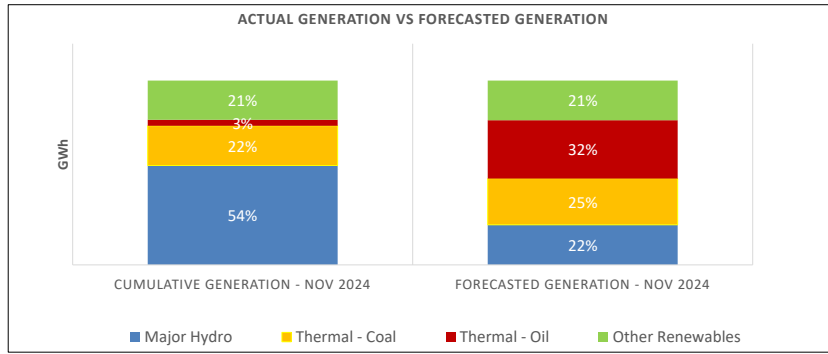
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

658 Mn LKR

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

633 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	494	303
Thermal - Coal	198	350
Thermal - Oil	30	442
Other Renewables	195	300
Total	917	1,394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	764 Mn LKR
Thermal - Coal	5,254 Mn LKR
Thermal - Furnace Oil	2,570 Mn LKR
Thermal - Diesel	441 Mn LKR
Thermal - Naphtha	107 Mn LKR
Wind - CEB	418 Mn LKR
Wind - IPP	182 Mn LKR
Solar - IPP - Ground Mounted	219 Mn LKR
Solar - Roof Top	1,397 Mn LKR
Mini Hydro	1,289 Mn LKR
Municipal Solid Waste	296 Mn LKR
Total Generation Cost	12,936 Mn LKR

Generation Energy Cost (Nov) 8,556 Mn LKR

*Generation Capacity Cost (Nov) 3,576 Mn LKR

Other Cost (Nov) 804 Mn LKR

Average Unit Cost of Generation (Nov) 14.11 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.