



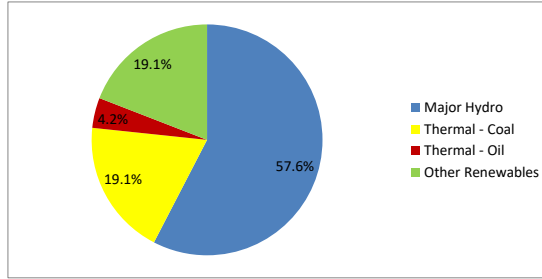
Daily Electricity Generation & Cost Estimation Report

4th December 2024



Daily Generation Mix -4th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	27.32	57.6%
Thermal - Coal	9.04	19.1%
Thermal - Furnace Oil	1.99	4.2%
Thermal - Diesel	0.02	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.09	0.2%
Wind - IPP	0.09	0.2%
Solar - IPP - Ground Mounted	0.57	1.2%
Solar - Roof Top	2.82	5.9%
Mini Hydro	5.01	10.6%
Municipal Solid Waste	0.48	1.0%
Total	47.42	



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

Estimated Generation Cost : 4th 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	1.40	1.40
Thermal - Coal	169.4	27.5	45.0	241.9	18.74	3.04	4.98	26.76
Thermal - Furnace Oil	90.4	9.4	51.7	151.4	45.52	4.72	26.03	76.28
Thermal - Diesel	1.4	1.5	19.8	22.6	74.43	76.43	1039.83	1190.69
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	239.98	239.98
Wind - IPP	1.4	0.0	0.0	1.4	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.1	0.0	0.0	11.1	19.28	0.00	0.00	19.28
Solar - Roof Top	70.3	0.0	0.0	70.3	24.92	0.00	0.00	24.92
Mini Hydro	67.5	0.0	0.0	67.5	13.47	0.00	0.00	13.47
Municipal Solid Waste	18.7	0.0	0.0	18.7	39.15	0.00	0.00	39.15
Total	430.1	40.2	178.8	649.1	9.07	0.85	3.77	13.69

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 :

13.69 LKR/kWh

Total Generation Cost for the day:

649.12 Mn LKR

Fuel Prices

(as at 1st Dec 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	45.65
Naphtha	166.00
Auto Diesel	286.00

Scheduled (Day Ahead) Generation Mix - 4th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.3	58%
Thermal - Coal	10.3	23%
Thermal - Furnace Oil	0.7	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.2	0%
Wind - CEB	1.3	3%
Wind - IPP		
BMP	0.5	1%
Solar	0.4	1%
Mini Hydro	5.3	12%
Total	45.04	

Actual Generation Mix - 4th Dec 2024 (Excluding generation from non telemetered power plants)

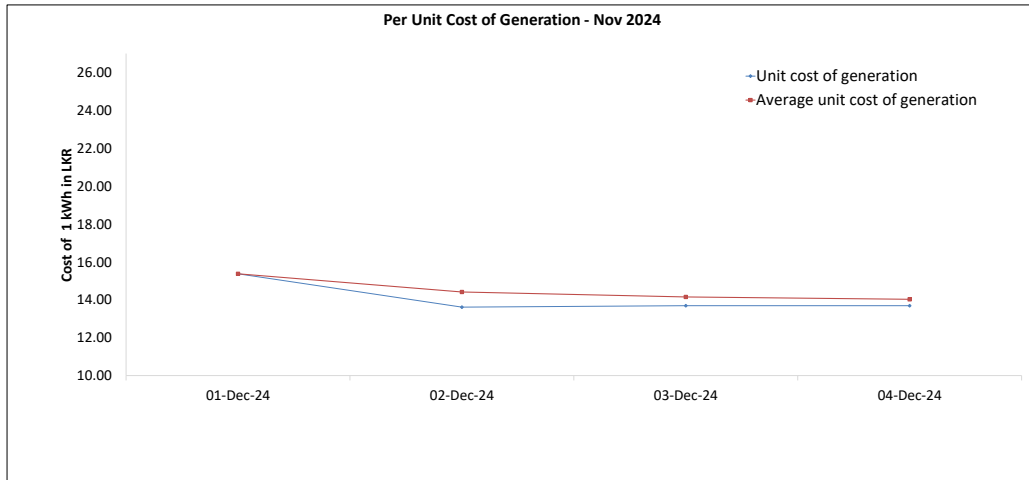
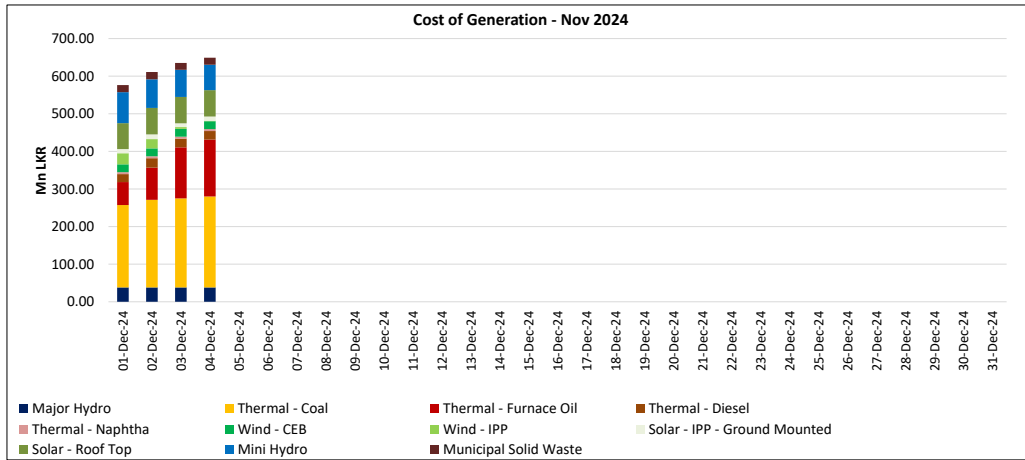
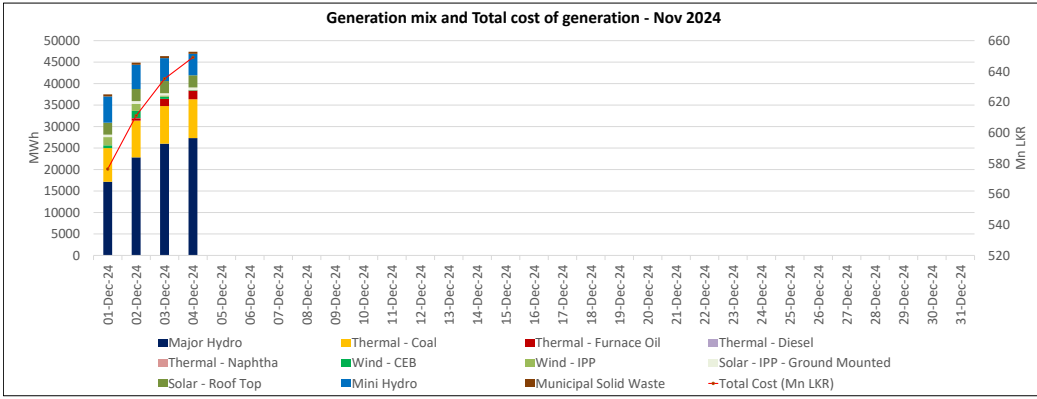
Plant Type	Generation (GWh)	Percentage
Major Hydro	27.3	62%
Thermal - Coal	9.0	20%
Thermal - Furnace Oil	2.0	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.5	1.1%
Solar	0.6	1%
Mini Hydro	4.7	11%
Total	44.32	

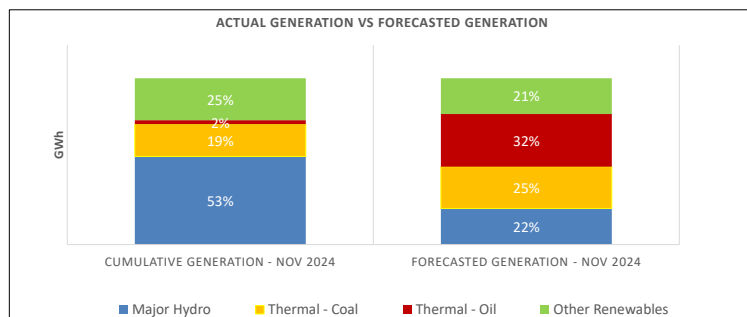
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

560 Mn LKR

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

575 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	93	303
Thermal - Coal	34	350
Thermal - Oil	4	442
Other Renewables	44	300
Total	176	1394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	153 Mn LKR
Thermal - Coal	931 Mn LKR
Thermal - Furnace Oil	434 Mn LKR
Thermal - Diesel	92 Mn LKR
Thermal - Naphtha	21 Mn LKR
Wind - CEB	84 Mn LKR
Wind - IPP	60 Mn LKR
Solar - IPP - Ground Mounted	45 Mn LKR
Solar - Roof Top	280 Mn LKR
Mini Hydro	298 Mn LKR
Municipal Solid Waste	75 Mn LKR
Total Generation Cost	2,472 Mn LKR

Generation Energy Cost (Nov) 1,596 Mn LKR

*Generation Capacity Cost (Nov) 715 Mn LKR

Other Cost (Nov) 161 Mn LKR

Average Unit Cost of Generation (Nov) 14.03 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.