



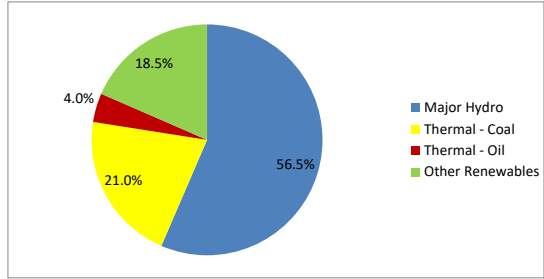
Daily Electricity Generation & Cost Estimation Report

09th December 2024



Daily Generation Mix - 09th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.04	56.5%
Thermal - Coal	9.68	21.0%
Thermal - Furnace Oil	1.85	4.0%
Thermal - Diesel	0.02	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.38	0.8%
Wind - IPP	0.31	0.7%
Solar - IPP - Ground Mounted	0.64	1.4%
Solar - Roof Top	2.82	6.1%
Mini Hydro	4.08	8.9%
Municipal Solid Waste	0.28	0.6%
Total	46.09	



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

Estimated Generation Cost : 09th 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	189.0	27.5	45.0	261.5	19.53	2.84	4.65	27.02
Thermal - Furnace Oil	84.6	9.4	51.7	145.6	45.72	5.07	27.93	78.72
Thermal - Diesel	1.2	1.5	19.8	22.4	74.37	90.76	1234.80	1399.93
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	54.37	54.37
Wind - IPP	4.8	0.0	0.0	4.8	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	70.3	0.0	0.0	70.3	24.92	0.00	0.00	24.92
Mini Hydro	55.0	0.0	0.0	55.0	13.47	0.00	0.00	13.47
Municipal Solid Waste	10.8	0.0	0.0	10.8	39.15	0.00	0.00	39.15
Total	427.9	40.2	178.8	646.9	9.28	0.87	3.88	14.04

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 :

14.04 LKR/kWh

Total Generation Cost for the day:

646.94 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 - 09th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.1	62%
Thermal - Coal	9.2	22%
Thermal - Furnace Oil	1.2	3%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.1	0%
Wind - CEB		
Wind - IPP	0.5	1%
BMP	0.4	1%
Solar	0.4	1%
Mini Hydro	4.1	10%
Total	41.93	

Actual Generation Mix - 09th Dec 2024 (Excluding generation from non telemetered power plants)

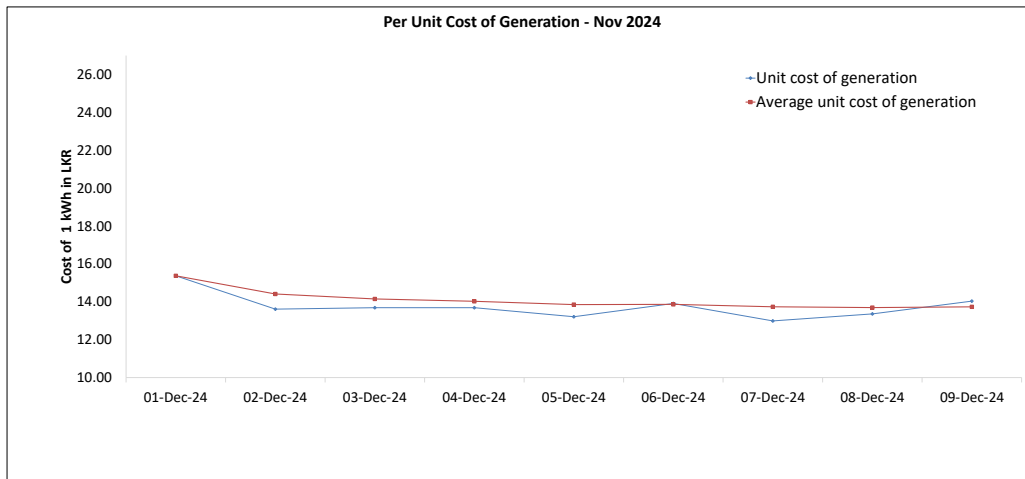
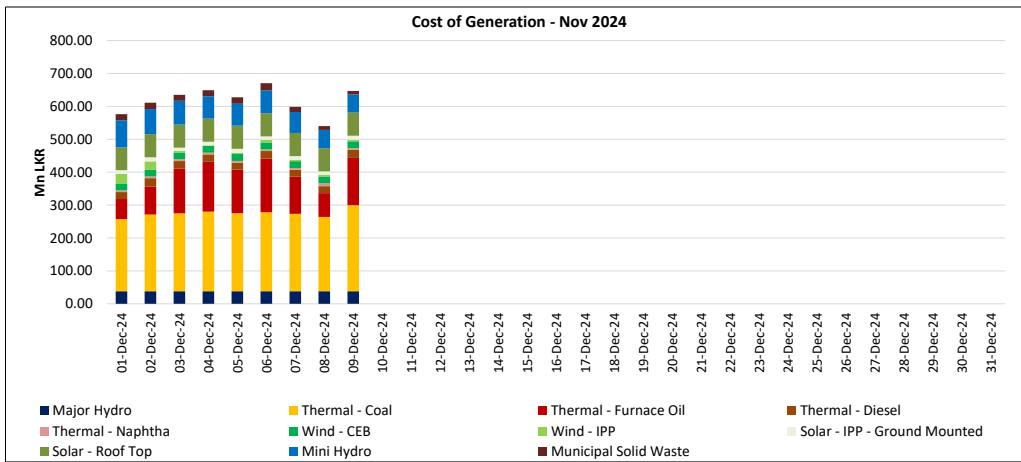
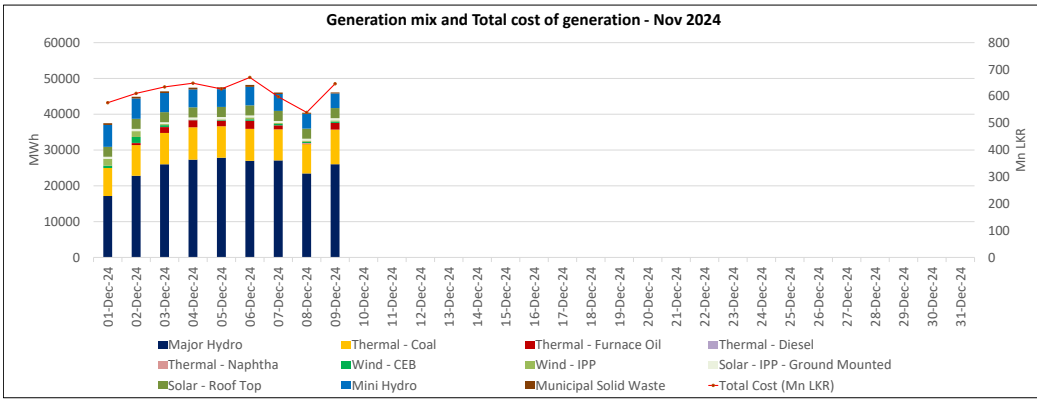
Plant Type	Generation (GWh)	Percentage
Major Hydro	26.0	60%
Thermal - Coal	9.7	22%
Thermal - Furnace Oil	1.9	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.4	1%
Wind - IPP	0.3	1%
BMP	0.3	0.6%
Solar	0.6	1%
Mini Hydro	3.9	9%
Total	43.04	

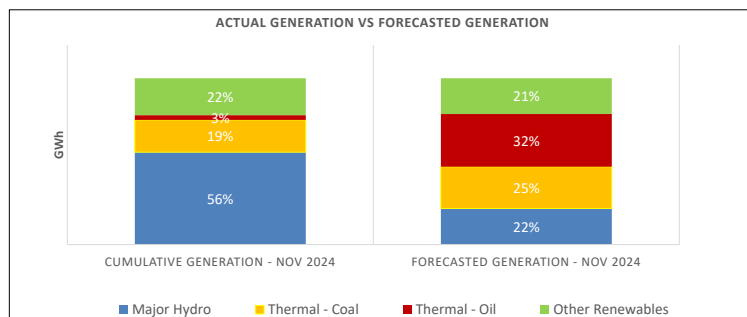
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

539 Mn LKR

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

574 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	225	303
Thermal - Coal	78	350
Thermal - Oil	11	442
Other Renewables	90	300
Total	404	1394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	344 Mn LKR
Thermal - Coal	2,131 Mn LKR
Thermal - Furnace Oil	1,060 Mn LKR
Thermal - Diesel	201 Mn LKR
Thermal - Naphtha	50 Mn LKR
Wind - CEB	188 Mn LKR
Wind - IPP	86 Mn LKR
Solar - IPP - Ground Mounted	102 Mn LKR
Solar - Roof Top	631 Mn LKR
Mini Hydro	609 Mn LKR
Municipal Solid Waste	155 Mn LKR
Total Generation Cost	5,555 Mn LKR

Generation Energy Cost (Nov)	3,584 Mn LKR
*Generation Capacity Cost (Nov)	1,609 Mn LKR
Other Cost (Nov)	362 Mn LKR
Average Unit Cost of Generation (Nov)	13.73 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.