



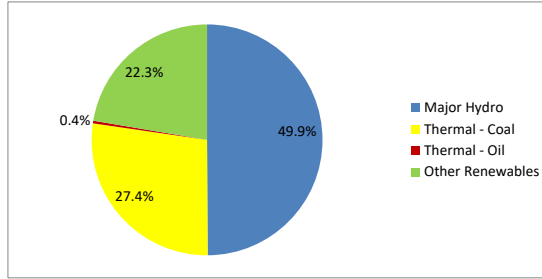
Daily Electricity Generation & Cost Estimation Report

22nd December 2024



Daily Generation Mix - 22nd December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.58	49.9%
Thermal - Coal	11.28	27.4%
Thermal - Furnace Oil	0.14	0.3%
Thermal - Diesel	0.01	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.44	1.1%
Wind - IPP	0.35	0.8%
Solar - IPP - Ground Mounted	0.62	1.5%
Solar - Roof Top	2.76	6.7%
Mini Hydro	4.73	11.5%
Municipal Solid Waste	0.32	0.8%
Total	41.22	



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

Estimated Generation Cost : 22nd 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	1.86	1.86
Thermal - Coal	220.3	27.5	45.0	292.8	19.53	2.43	3.99	25.96
Thermal - Furnace Oil	6.2	9.4	51.7	67.3	44.29	66.99	369.12	480.40
Thermal - Diesel	0.9	1.5	19.8	22.1	74.45	121.01	1646.40	1841.86
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	47.78	47.78
Wind - IPP	5.3	0.0	0.0	5.3	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.9	0.0	0.0	11.9	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	63.7	0.0	0.0	63.7	13.47	0.00	0.00	13.47
Municipal Solid Waste	12.5	0.0	0.0	12.5	39.15	0.00	0.00	39.15
Total	389.6	40.2	178.8	608.7	9.45	0.98	4.34	14.77

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 :

14.77 LKR/kWh

Total Generation Cost for the day:

608.65 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 - 22nd Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	21.9	58%
Thermal - Coal	10.8	29%
Thermal - Furnace Oil	0.1	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.0	0%
Wind - IPP	0.0	0%
BMP	0.3	1%
Solar	0.5	1%
Mini Hydro	3.9	10%
Total	37.64	

Actual Generation Mix - 22nd Dec 2024 (Excluding generation from non telemetered power plants)

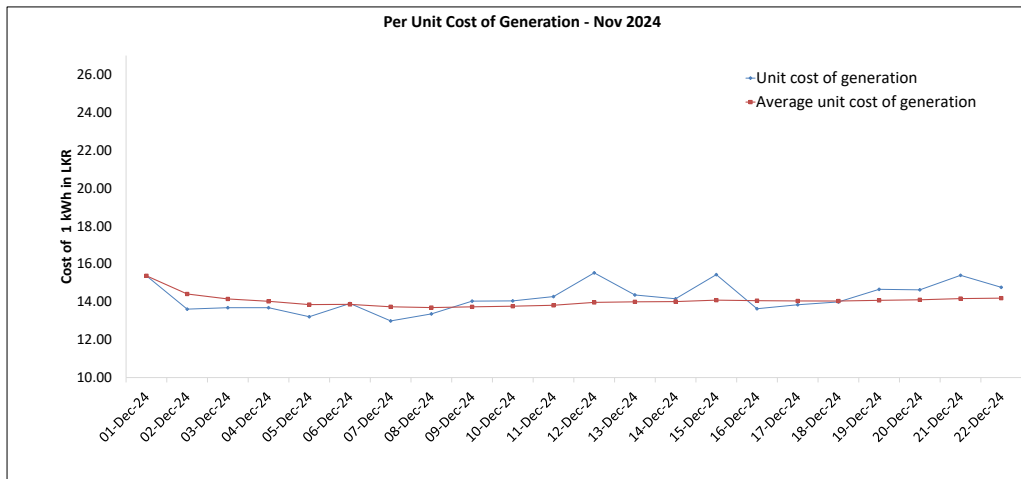
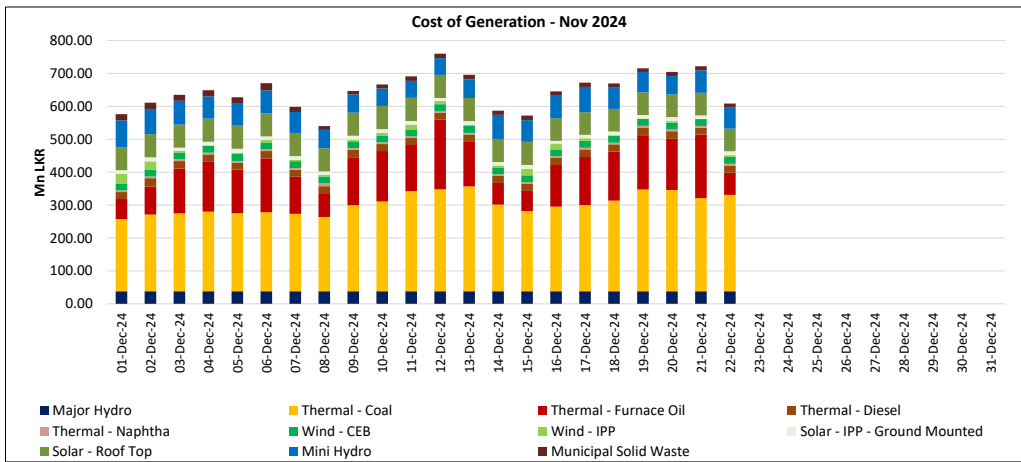
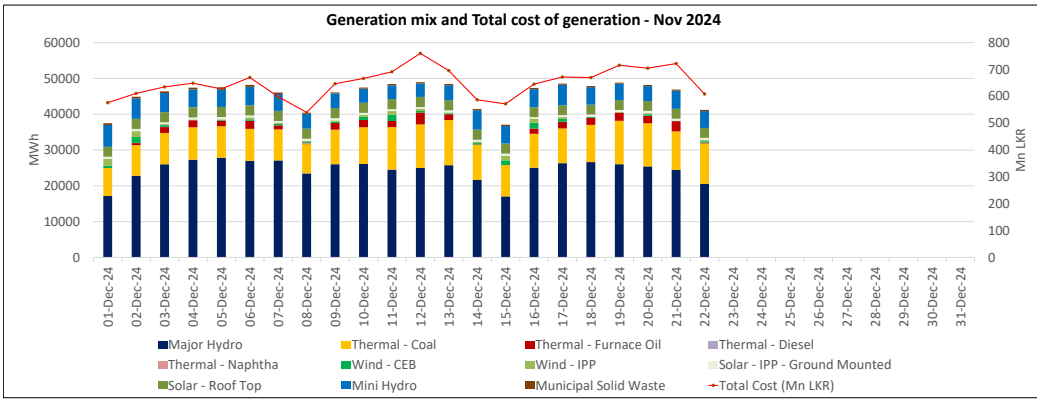
Plant Type	Generation (GWh)	Percentage
Major Hydro	20.6	54%
Thermal - Coal	11.3	30%
Thermal - Furnace Oil	0.1	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.4	1%
Wind - IPP	0.3	1%
BMP	0.3	0.8%
Solar	0.6	2%
Mini Hydro	4.5	12%
Total	38.19	

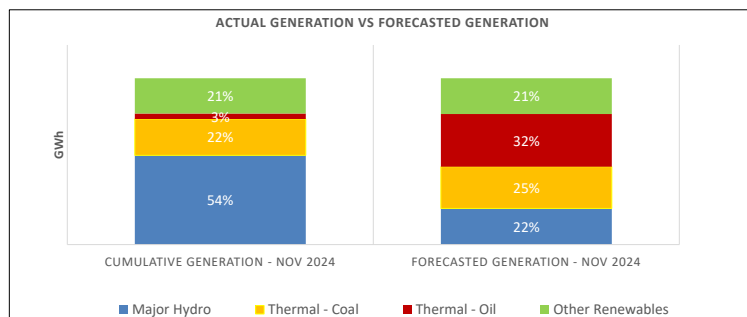
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

510 Mn LKR

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

536 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	539	303
Thermal - Coal	220	350
Thermal - Oil	33	442
Other Renewables	213	300
Total	1,005	1,394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	840 Mn LKR
Thermal - Coal	5,830 Mn LKR
Thermal - Furnace Oil	2,830 Mn LKR
Thermal - Diesel	485 Mn LKR
Thermal - Naphtha	117 Mn LKR
Wind - CEB	459 Mn LKR
Wind - IPP	188 Mn LKR
Solar - IPP - Ground Mounted	241 Mn LKR
Solar - Roof Top	1,534 Mn LKR
Mini Hydro	1,421 Mn LKR
Municipal Solid Waste	321 Mn LKR
Total Generation Cost	14,267 Mn LKR

Generation Energy Cost (Nov)	9,449 Mn LKR
*Generation Capacity Cost (Nov)	3,934 Mn LKR
Other Cost (Nov)	884 Mn LKR
Average Unit Cost of Generation (Nov)	14.19 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.