



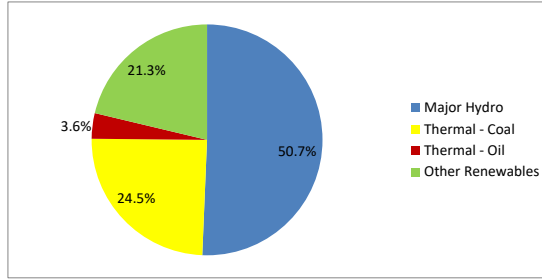
Daily Electricity Generation & Cost Estimation Report

11th December 2024



Daily Generation Mix - 11th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	24.54	50.7%
Thermal - Coal	11.86	24.5%
Thermal - Furnace Oil	1.73	3.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.76	3.6%
Wind - IPP	0.98	2.0%
Solar - IPP - Ground Mounted	0.56	1.2%
Solar - Roof Top	2.82	5.8%
Mini Hydro	3.83	7.9%
Municipal Solid Waste	0.35	0.7%
Total	48.43	



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

Estimated Generation Cost : 11th 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	1.56	1.56
Thermal - Coal	231.7	27.5	45.0	304.2	19.53	2.31	3.80	25.64
Thermal - Furnace Oil	79.2	9.4	51.7	140.3	45.72	5.41	29.82	80.95
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
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	11.84	11.84
Wind - IPP	14.9	0.0	0.0	14.9	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	10.8	0.0	0.0	10.8	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	51.6	0.0	0.0	51.6	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.8	0.0	0.0	13.8	39.15	0.00	0.00	39.15
Total	472.3	40.2	178.8	691.4	9.75	0.83	3.69	14.27

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 :

14.27 LKR/kWh

Total Generation Cost for the day:

691.35 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 - 11th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.8	61%
Thermal - Coal	10.9	25%
Thermal - Furnace Oil	0.3	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.1	0%
Wind - CEB	1.5	3%
Wind - IPP		
BMP	0.3	1%
Solar	0.5	1%
Mini Hydro	3.9	9%
Total	44.24	

Actual Generation Mix - 11th Dec 2024 (Excluding generation from non telemetered power plants)

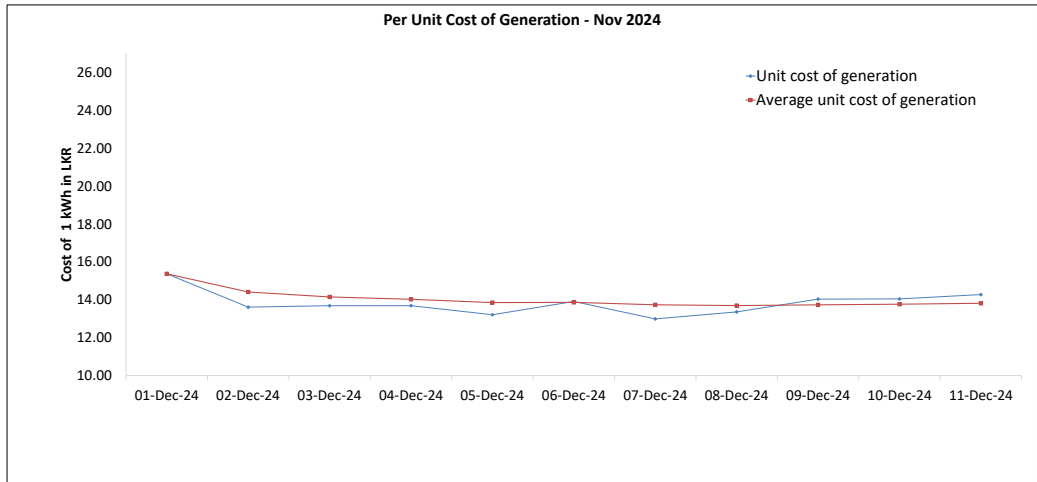
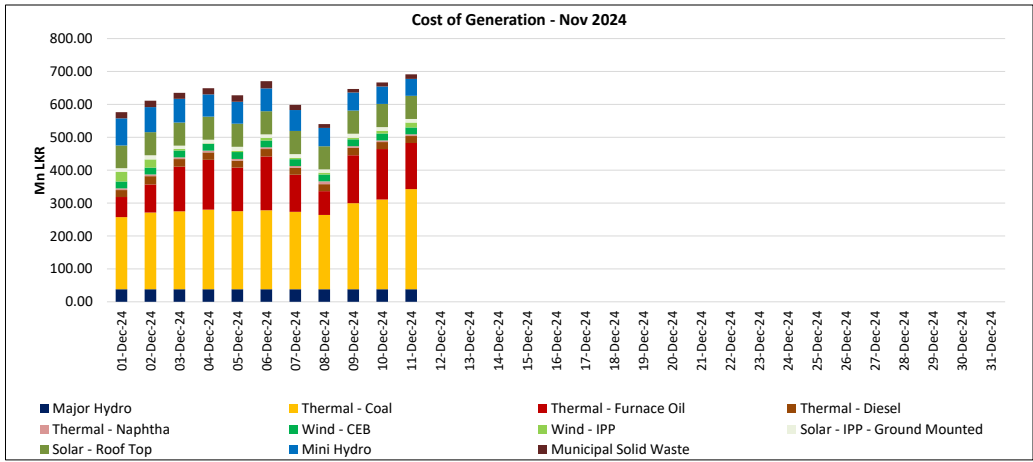
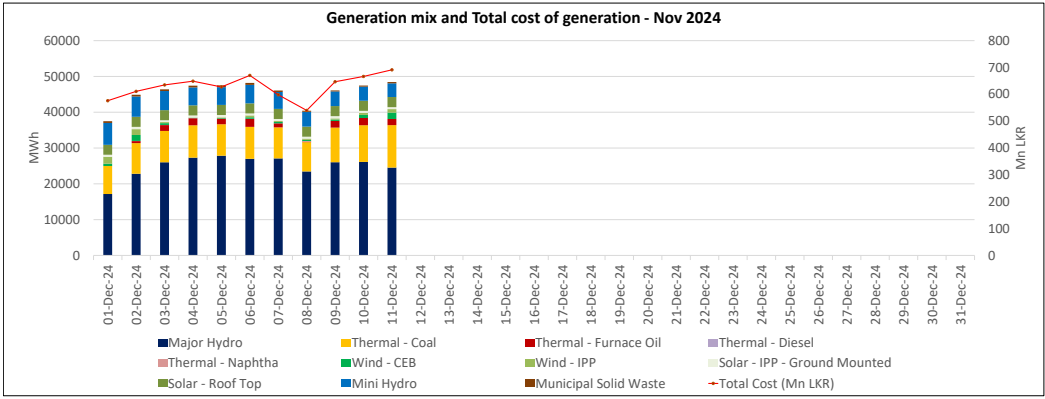
Plant Type	Generation (GWh)	Percentage
Major Hydro	24.5	54%
Thermal - Coal	11.9	26%
Thermal - Furnace Oil	1.7	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.8	4%
Wind - IPP	1.0	2%
BMP	0.4	0.8%
Solar	0.6	1%
Mini Hydro	3.6	8%
Total	45.40	

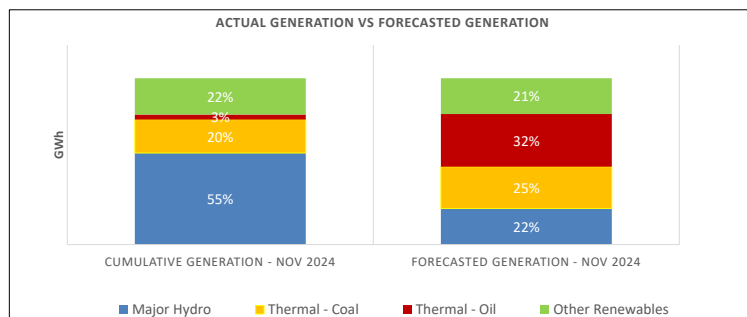
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

532 Mn LKR

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

618 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	275	303
Thermal - Coal	101	350
Thermal - Oil	15	442
Other Renewables	109	300
Total	500	1394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	420 Mn LKR
Thermal - Coal	2,707 Mn LKR
Thermal - Furnace Oil	1,354 Mn LKR
Thermal - Diesel	243 Mn LKR
Thermal - Naphtha	60 Mn LKR
Wind - CEB	230 Mn LKR
Wind - IPP	109 Mn LKR
Solar - IPP - Ground Mounted	124 Mn LKR
Solar - Roof Top	772 Mn LKR
Mini Hydro	713 Mn LKR
Municipal Solid Waste	181 Mn LKR
Total Generation Cost	6,913 Mn LKR

Generation Energy Cost (Nov)	4,504 Mn LKR
*Generation Capacity Cost (Nov)	1,967 Mn LKR
Other Cost (Nov)	442 Mn LKR
Average Unit Cost of Generation (Nov)	13.82 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.