



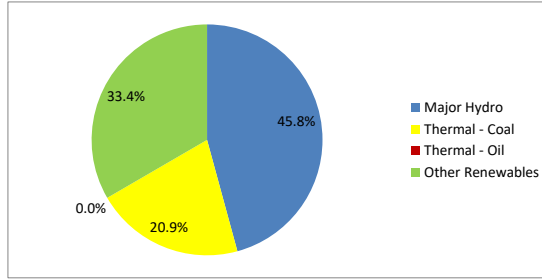
Daily Electricity Generation & Cost Estimation Report

1st December 2024



Daily Generation Mix -1st December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	17.16	45.8%
Thermal - Coal	7.82	20.9%
Thermal - Furnace Oil	0.00	0.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.66	1.7%
Wind - IPP	1.91	5.1%
Solar - IPP - Ground Mounted	0.58	1.6%
Solar - Roof Top	2.77	7.4%
Mini Hydro	6.11	16.3%
Municipal Solid Waste	0.48	1.3%
Total	37.49	



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

Estimated Generation Cost : 1st 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	2.23	2.23
Thermal - Coal	146.6	27.5	45.0	219.1	18.74	3.51	5.76	28.01
Thermal - Furnace Oil	0.0	9.4	51.7	61.1	0.00	0.00	0.00	0.00
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	31.83	31.83
Wind - IPP	29.3	0.0	0.0	29.3	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.2	0.0	0.0	11.2	19.28	0.00	0.00	19.28
Solar - Roof Top	69.0	0.0	0.0	69.0	24.92	0.00	0.00	24.92
Mini Hydro	82.4	0.0	0.0	82.4	13.47	0.00	0.00	13.47
Municipal Solid Waste	18.8	0.0	0.0	18.8	39.15	0.00	0.00	39.15
Total	357.3	40.2	178.8	576.3	9.53	1.07	4.77	15.37

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 :

15.37 LKR/kWh

Total Generation Cost for the day:

576.32 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 - 1st Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	22.1	61%
Thermal - Coal	7.8	22%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.6	4%
Wind - IPP		
BMP	0.2	1%
Solar	0.3	1%
Mini Hydro	4.2	12%
Total	36.15	

Actual Generation Mix - 1st Dec 2024 (Excluding generation from non telemetered power plants)

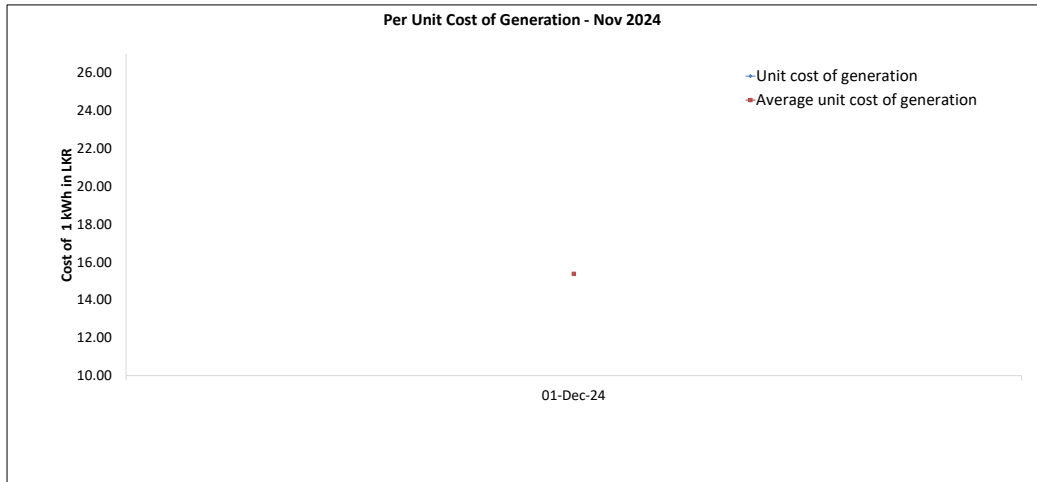
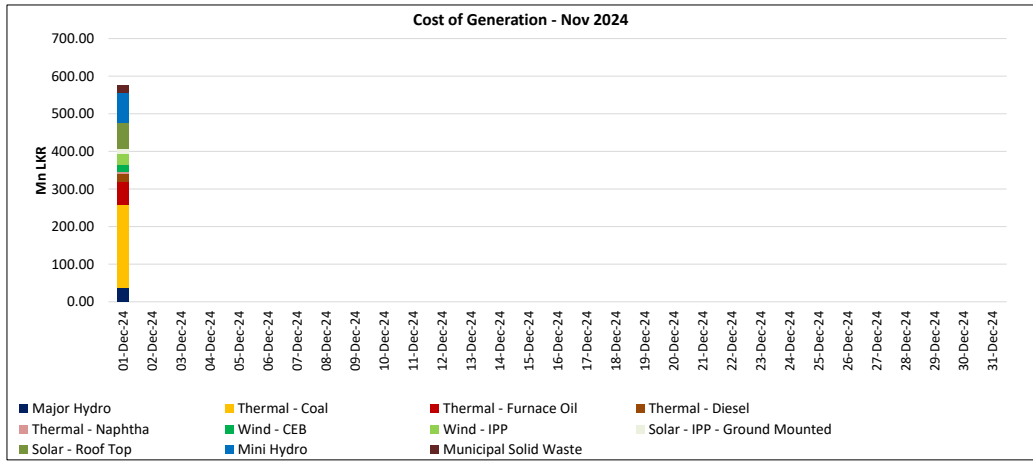
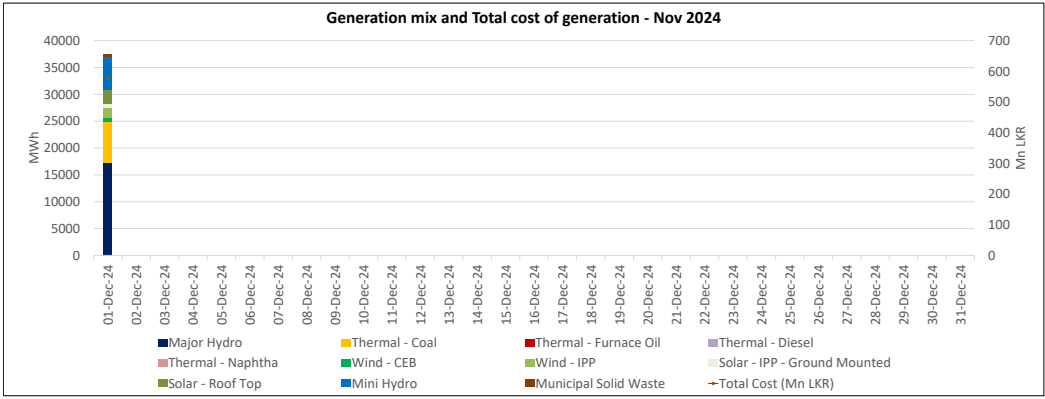
Plant Type	Generation (GWh)	Percentage
Major Hydro	17.2	50%
Thermal - Coal	7.8	23%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.7	2%
Wind - IPP	1.9	6%
BMP	0.5	1.4%
Solar	0.6	2%
Mini Hydro	5.8	17%
Total	34.38	

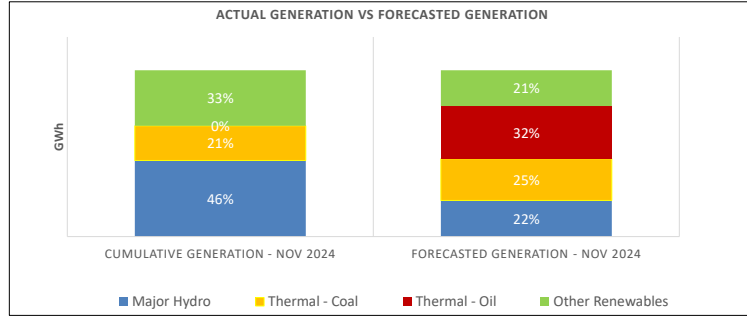
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

448 Mn LKR

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

503 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	17	303
Thermal - Coal	8	350
Thermal - Oil	0	442
Other Renewables	13	300
Total	37	1394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	38 Mn LKR
Thermal - Coal	219 Mn LKR
Thermal - Furnace Oil	61 Mn LKR
Thermal - Diesel	21 Mn LKR
Thermal - Naphtha	5 Mn LKR
Wind - CEB	21 Mn LKR
Wind - IPP	29 Mn LKR
Solar - IPP - Ground Mounted	11 Mn LKR
Solar - Roof Top	69 Mn LKR
Mini Hydro	82 Mn LKR
Municipal Solid Waste	19 Mn LKR
Total Generation Cost	576 Mn LKR

Generation Energy Cost (Nov)	357 Mn LKR
*Generation Capacity Cost (Nov)	179 Mn LKR
Other Cost (Nov)	40 Mn LKR
Average Unit Cost of Generation (Nov)	15.37 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.