



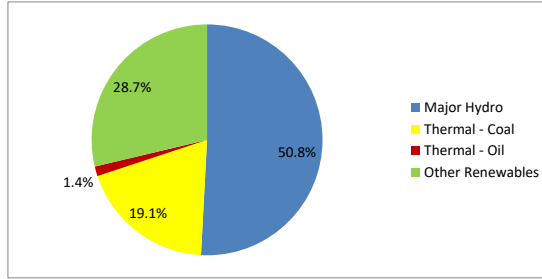
Daily Electricity Generation & Cost Estimation Report

2nd December 2024



Daily Generation Mix -2nd December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	22.82	50.8%
Thermal - Coal	8.57	19.1%
Thermal - Furnace Oil	0.56	1.2%
Thermal - Diesel	0.05	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.65	3.7%
Wind - IPP	1.62	3.6%
Solar - IPP - Ground Mounted	0.65	1.5%
Solar - Roof Top	2.82	6.3%
Mini Hydro	5.65	12.6%
Municipal Solid Waste	0.50	1.1%
Total	44.89	



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

Estimated Generation Cost : 2nd 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	1.67	1.67
Thermal - Coal	160.6	27.5	45.0	233.1	18.74	3.20	5.26	27.20
Thermal - Furnace Oil	24.3	9.4	51.7	85.4	43.68	16.84	92.78	153.30
Thermal - Diesel	4.0	1.5	19.8	25.2	75.43	27.40	372.77	475.59
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	12.62	12.62
Wind - IPP	24.8	0.0	0.0	24.8	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	12.6	0.0	0.0	12.6	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	76.1	0.0	0.0	76.1	13.47	0.00	0.00	13.47
Municipal Solid Waste	19.4	0.0	0.0	19.4	39.15	0.00	0.00	39.15
Total	392.0	40.2	178.8	611.1	8.73	0.90	3.98	13.61

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 :

13.61 LKR/kWh

Total Generation Cost for the day:

611.06 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 - 2nd Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	24.4	60%
Thermal - Coal	8.1	20%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.8	4%
Wind - IPP		
BMP	0.5	1%
Solar	0.2	0%
Mini Hydro	6.0	15%
Total	41.00	

Actual Generation Mix - 2nd Dec 2024 (Excluding generation from non telemetered power plants)

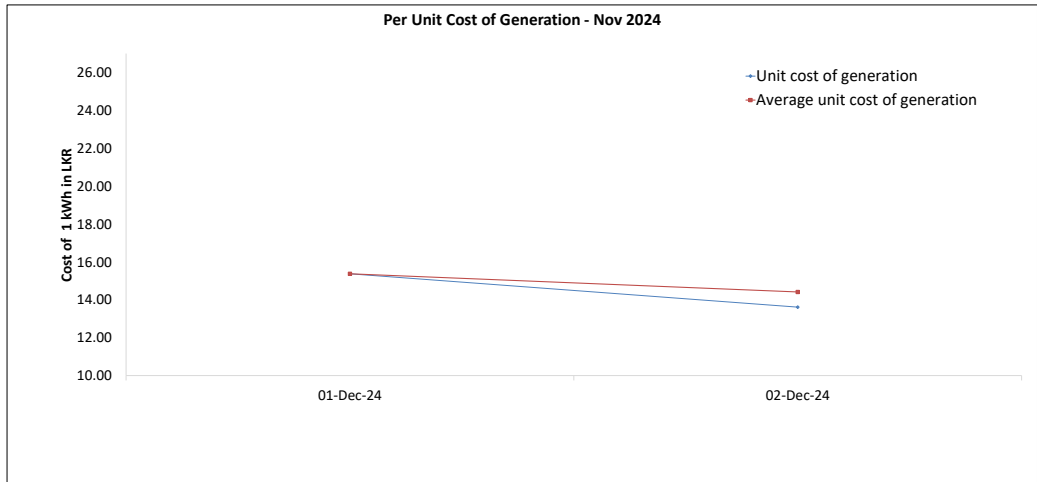
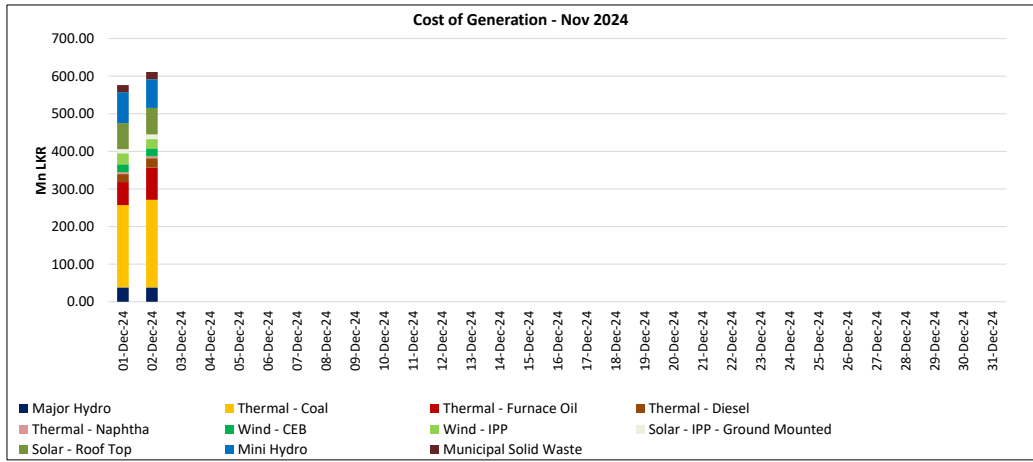
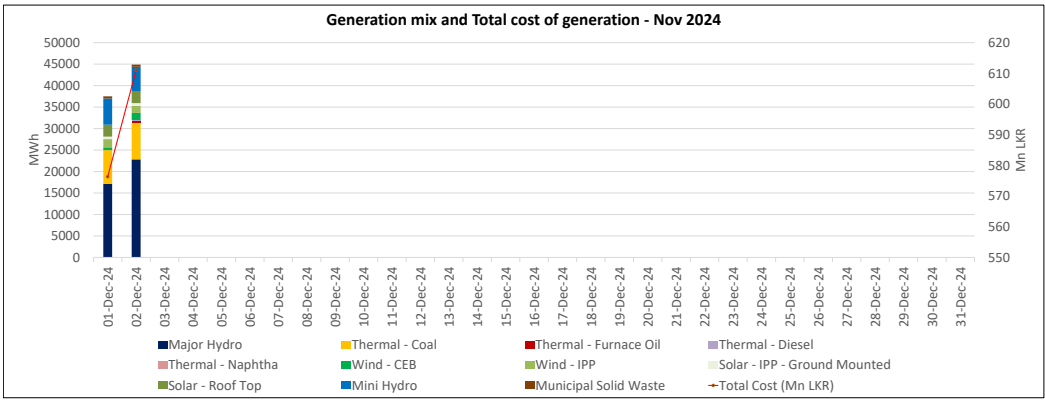
Plant Type	Generation (GWh)	Percentage
Major Hydro	22.8	55%
Thermal - Coal	8.6	21%
Thermal - Furnace Oil	0.6	1%
Thermal - Diesel	0.1	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.7	4%
Wind - IPP	1.6	4%
BMP	0.5	1.2%
Solar	0.7	2%
Mini Hydro	5.3	13%
Total	41.75	

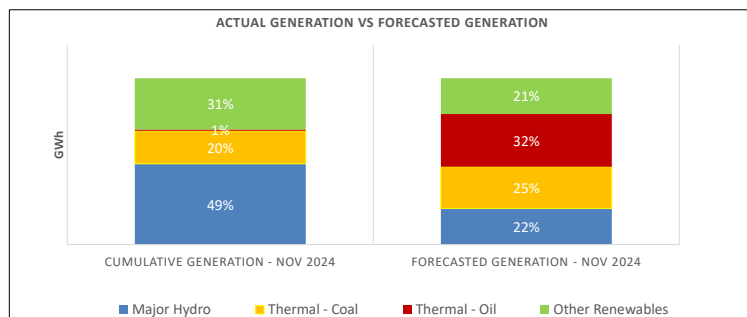
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

489 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	40	303
Thermal - Coal	16	350
Thermal - Oil	1	442
Other Renewables	25	300
Total	82	1394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	76 Mn LKR
Thermal - Coal	452 Mn LKR
Thermal - Furnace Oil	146 Mn LKR
Thermal - Diesel	46 Mn LKR
Thermal - Naphtha	10 Mn LKR
Wind - CEB	42 Mn LKR
Wind - IPP	54 Mn LKR
Solar - IPP - Ground Mounted	24 Mn LKR
Solar - Roof Top	139 Mn LKR
Mini Hydro	159 Mn LKR
Municipal Solid Waste	38 Mn LKR
Total Generation Cost	1,187 Mn LKR

Generation Energy Cost (Nov)	749 Mn LKR
*Generation Capacity Cost (Nov)	358 Mn LKR
Other Cost (Nov)	80 Mn LKR
Average Unit Cost of Generation (Nov)	14.41 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.