



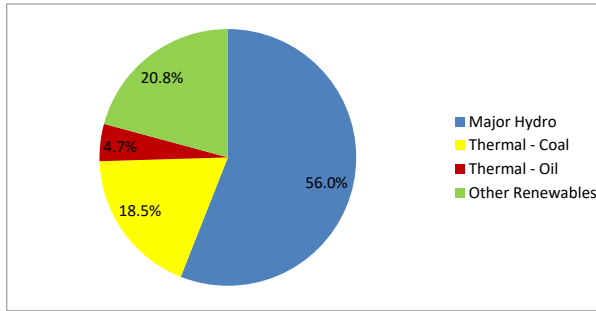
Daily Electricity Generation & Cost Estimation Report

06th December 2024



Daily Generation Mix - 06th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.98	56.0%
Thermal - Coal	8.94	18.5%
Thermal - Furnace Oil	2.24	4.6%
Thermal - Diesel	0.02	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.42	0.9%
Wind - IPP	0.52	1.1%
Solar - IPP - Ground Mounted	0.55	1.1%
Solar - Roof Top	2.82	5.9%
Mini Hydro	5.15	10.7%
Municipal Solid Waste	0.56	1.2%
Total	48.20	



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

Estimated Generation Cost : 06th 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	1.42	1.42
Thermal - Coal	167.5	27.5	45.0	240.0	18.74	3.07	5.04	26.85
Thermal - Furnace Oil	102.4	9.4	51.7	163.5	45.76	4.19	23.09	73.04
Thermal - Diesel	1.4	1.5	19.8	22.6	74.42	76.43	1039.83	1190.68
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	49.95	49.95
Wind - IPP	8.0	0.0	0.0	8.0	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	10.6	0.0	0.0	10.6	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	69.4	0.0	0.0	69.4	13.47	0.00	0.00	13.47
Municipal Solid Waste	21.8	0.0	0.0	21.8	39.15	0.00	0.00	39.15
Total	451.5	40.2	178.8	670.5	9.37	0.83	3.71	13.91

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 :

13.91 LKR/kWh

Total Generation Cost for the day:

670.50 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 - 06th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	27.4	62%
Thermal - Coal	9.1	21%
Thermal - Furnace Oil	1.6	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.3	1%
Wind - IPP		
BMP	0.5	1%
Solar	0.4	1%
Mini Hydro	4.7	11%
Total	44.06	

Actual Generation Mix - 06th Dec 2024 (Excluding generation from non telemetered power plants)

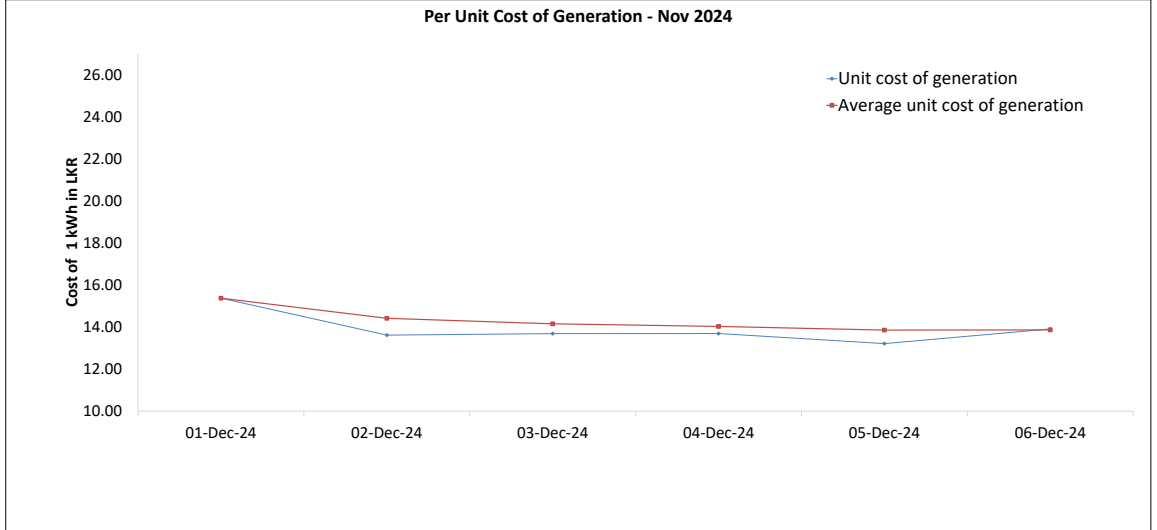
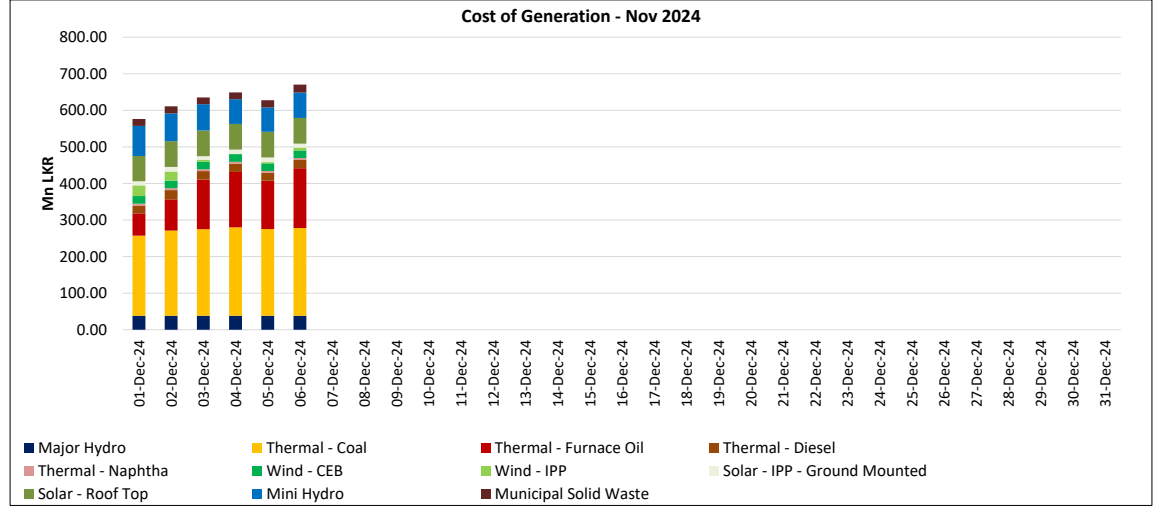
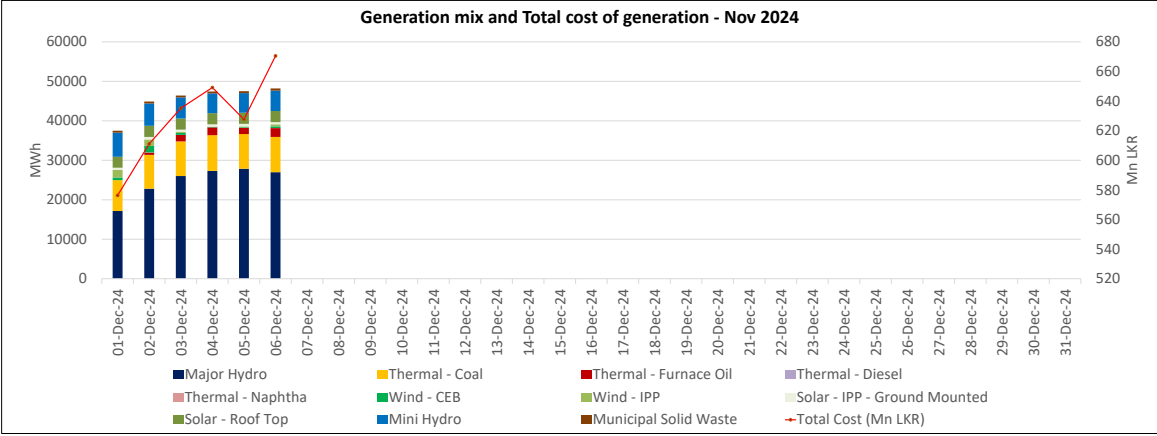
Plant Type	Generation (GWh)	Percentage
Major Hydro	27.0	60%
Thermal - Coal	8.9	20%
Thermal - Furnace Oil	2.2	5%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.4	1%
Wind - IPP	0.5	1%
BMP	0.6	1.2%
Solar	0.6	1%
Mini Hydro	4.5	10%
Total	44.70	

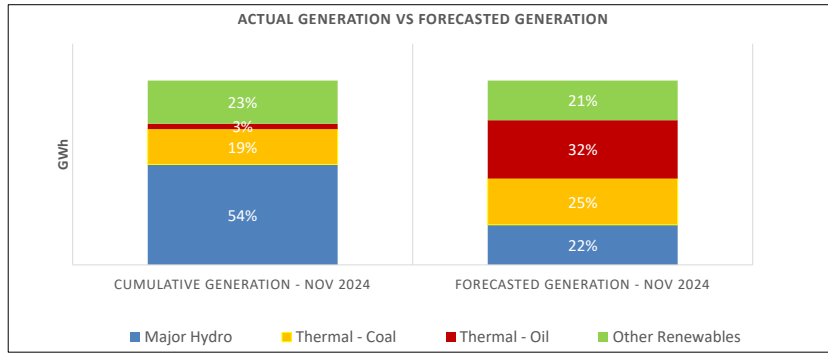
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

556 Mn LKR

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

591 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	148	303
Thermal - Coal	52	350
Thermal - Oil	8	442
Other Renewables	64	300
Total	272	1394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	229 Mn LKR
Thermal - Coal	1,408 Mn LKR
Thermal - Furnace Oil	730 Mn LKR
Thermal - Diesel	136 Mn LKR
Thermal - Naphtha	31 Mn LKR
Wind - CEB	125 Mn LKR
Wind - IPP	71 Mn LKR
Solar - IPP - Ground Mounted	68 Mn LKR
Solar - Roof Top	420 Mn LKR
Mini Hydro	434 Mn LKR
Municipal Solid Waste	117 Mn LKR
Total Generation Cost	3,770 Mn LKR

Generation Energy Cost (Nov)	2,456 Mn LKR
*Generation Capacity Cost (Nov)	1,073 Mn LKR
Other Cost (Nov)	241 Mn LKR
Average Unit Cost of Generation (Nov)	13.86 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.