



Daily Electricity Generation & Cost Estimation Report

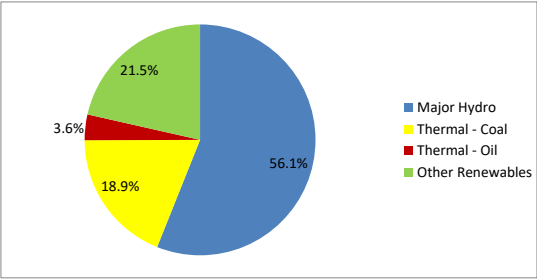


3rd December 2024



Daily Generation Mix -3rd December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.02	56.1%
Thermal - Coal	8.76	18.9%
Thermal - Furnace Oil	1.64	3.5%
Thermal - Diesel	0.03	0.1%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.50	1.1%
Wind - IPP	0.31	0.7%
Solar - IPP - Ground Mounted	0.51	1.1%
Solar - Roof Top	2.82	6.1%
Mini Hydro	5.35	11.5%
Municipal Solid Waste	0.47	1.0%
Total	46.40	



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

Estimated Generation Cost : 3rd 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	1.47	1.47
Thermal - Coal	164.2	27.5	45.0	236.7	18.74	3.13	5.14	27.01
Thermal - Furnace Oil	74.7	9.4	51.7	135.7	45.56	5.72	31.53	82.81
Thermal - Diesel	1.9	1.5	19.8	23.1	74.41	55.85	759.88	890.13
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	41.92	41.92
Wind - IPP	4.8	0.0	0.0	4.8	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	9.9	0.0	0.0	9.9	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	72.0	0.0	0.0	72.0	13.47	0.00	0.00	13.47
Municipal Solid Waste	18.3	0.0	0.0	18.3	39.15	0.00	0.00	39.15
Total	416.1	40.2	178.8	635.2	8.97	0.87	3.85	13.69

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 : 13.69 LKR/kWh
Total Generation Cost for the day: 635.16 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 - 3rd Dec 2024 (Excluding generation from non telemetered power plants)

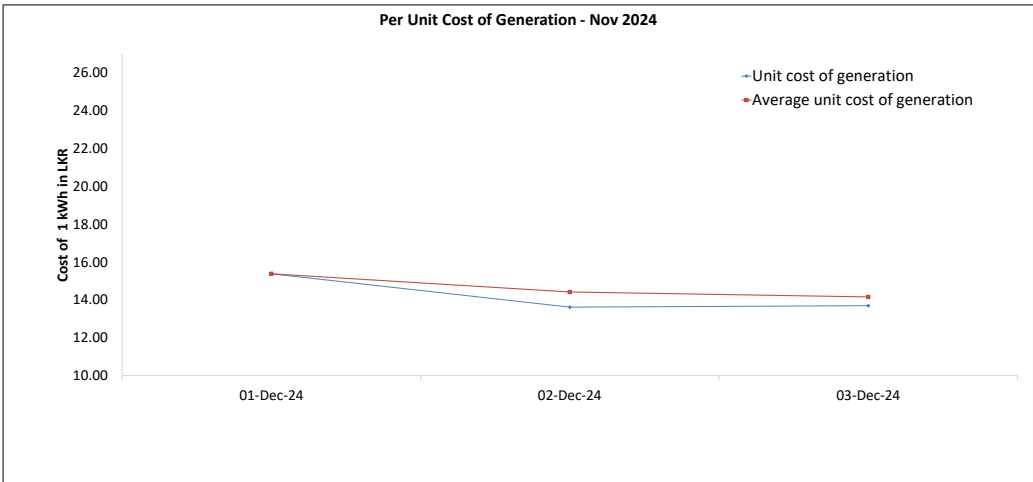
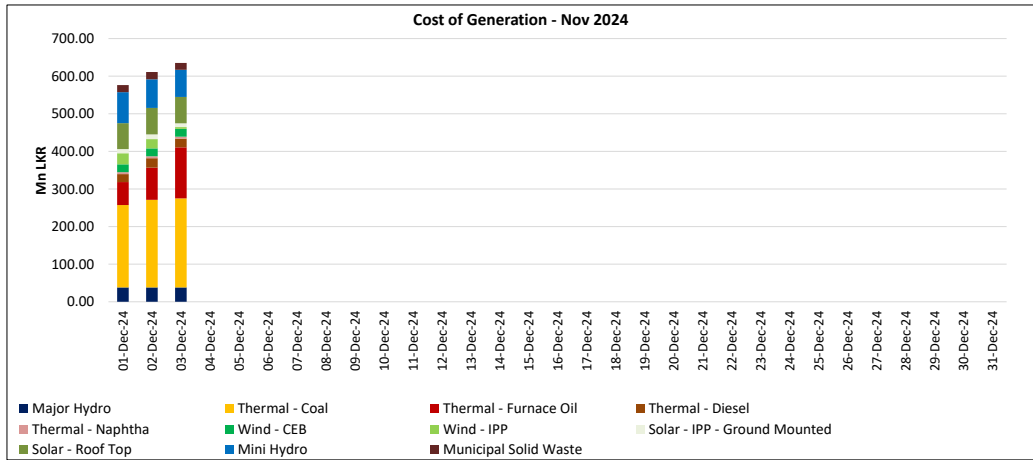
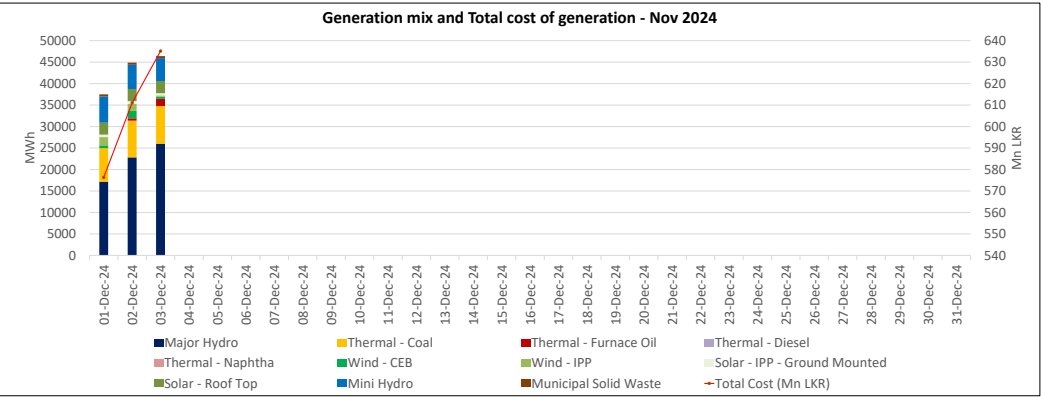
Plant Type	Generation (GWh)	Percentage
Major Hydro	14.3	40%
Thermal - Coal	12.6	36%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	2.8	8%
Wind - CEB	0.1	0%
Wind - IPP		
BMP	0.3	1%
Solar	0.2	1%
Mini Hydro	5.0	14%
Total	35.29	

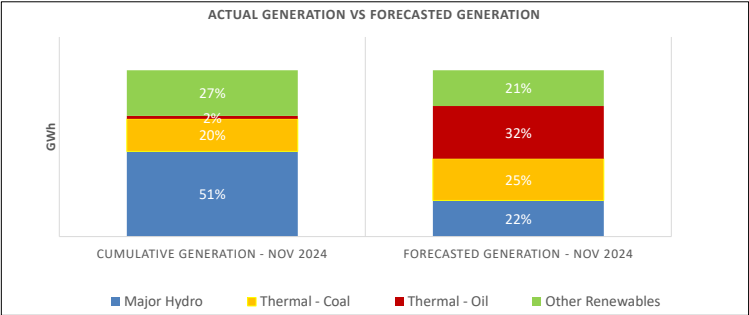
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 666 Mn LKR

Actual Generation Mix - 3rd Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	26.0	60%
Thermal - Coal	8.8	20%
Thermal - Furnace Oil	1.6	4%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.5	1%
Wind - IPP	0.3	1%
BMP	0.5	1.1%
Solar	0.5	1%
Mini Hydro	5.0	12%
Total	43.28	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 561 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	66	303
Thermal - Coal	25	350
Thermal - Oil	2	442
Other Renewables	35	300
Total	129	1394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	115 Mn LKR
Thermal - Coal	689 Mn LKR
Thermal - Furnace Oil	282 Mn LKR
Thermal - Diesel	70 Mn LKR
Thermal - Naphtha	16 Mn LKR
Wind - CEB	63 Mn LKR
Wind - IPP	59 Mn LKR
Solar - IPP - Ground Mounted	34 Mn LKR
Solar - Roof Top	210 Mn LKR
Mini Hydro	231 Mn LKR
Municipal Solid Waste	56 Mn LKR
Total Generation Cost	1,823 Mn LKR

Generation Energy Cost (Nov)	1,165 Mn LKR
*Generation Capacity Cost (Nov)	536 Mn LKR
Other Cost (Nov)	121 Mn LKR

Average Unit Cost of Generation (Nov)	14.15 LKR/kWh
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Note -
* Capacity cost is based on the approved BST submission.