



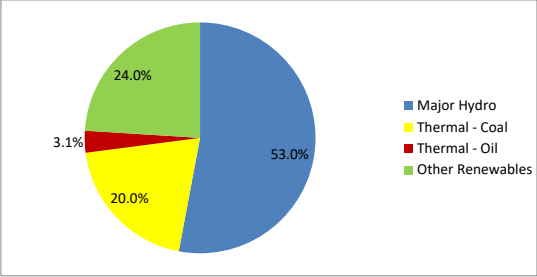
Daily Electricity Generation & Cost Estimation Report

16th December 2024



Daily Generation Mix - 16th December 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.08	53.0%
Thermal - Coal	9.46	20.0%
Thermal - Furnace Oil	1.45	3.1%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.62	3.4%
Wind - IPP	1.18	2.5%
Solar - IPP - Ground Mounted	0.41	0.9%
Solar - Roof Top	2.76	5.8%
Mini Hydro	5.06	10.7%
Municipal Solid Waste	0.35	0.7%
Total	47.35	



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

Estimated Generation Cost : 16th 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	1.52	1.52
Thermal - Coal	184.7	27.5	45.0	257.2	19.53	2.90	4.76	27.19
Thermal - Furnace Oil	65.5	9.4	51.7	126.6	45.17	6.47	35.64	87.28
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	12.93	12.93
Wind - IPP	18.0	0.0	0.0	18.0	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	8.0	0.0	0.0	8.0	19.28	0.00	0.00	19.28
Solar - Roof Top	68.8	0.0	0.0	68.8	24.92	0.00	0.00	24.92
Mini Hydro	68.1	0.0	0.0	68.1	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.5	0.0	0.0	13.5	39.15	0.00	0.00	39.15
Total	426.6	40.2	178.8	645.6	9.01	0.85	3.78	13.63

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 : 13.63 LKR/kWh
Total Generation Cost for the day: 645.61 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 - 16th Dec 2024 (Excluding generation from non telemetered power plants)

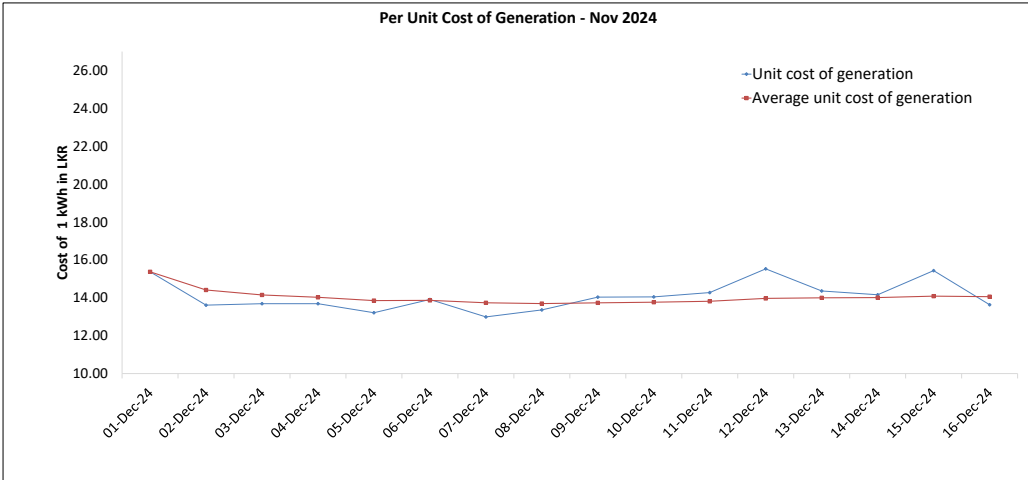
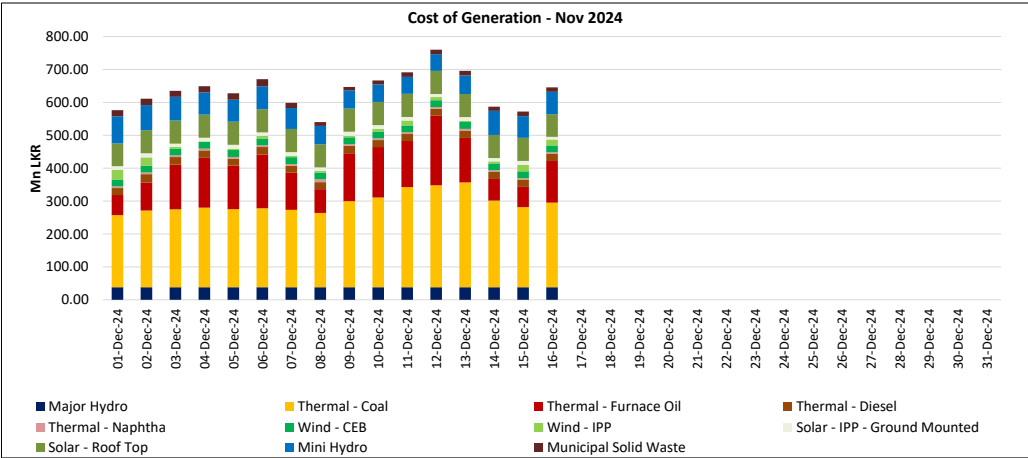
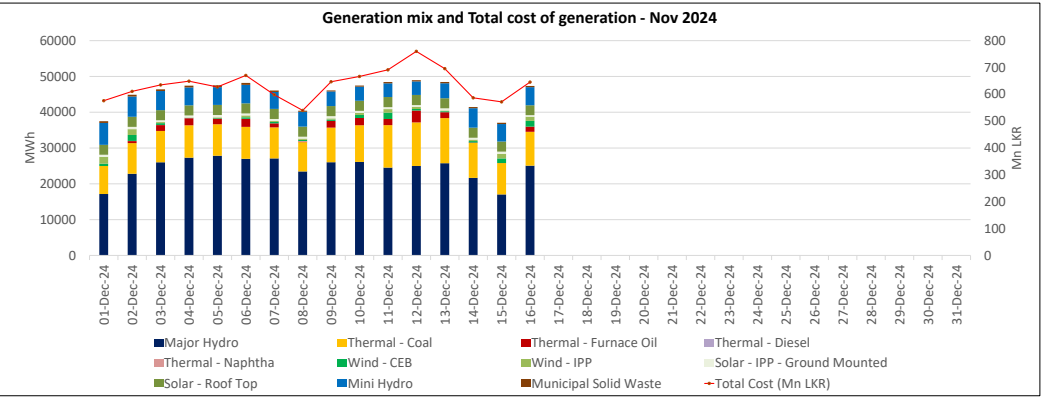
Plant Type	Generation (GWh)	Percentage
Major Hydro	25.0	61%
Thermal - Coal	8.6	21%
Thermal - Furnace Oil	0.3	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.1	0%
Wind - CEB	1.5	4%
Wind - IPP		
BMP	0.3	1%
Solar	0.4	1%
Mini Hydro	4.8	12%
Total	40.99	

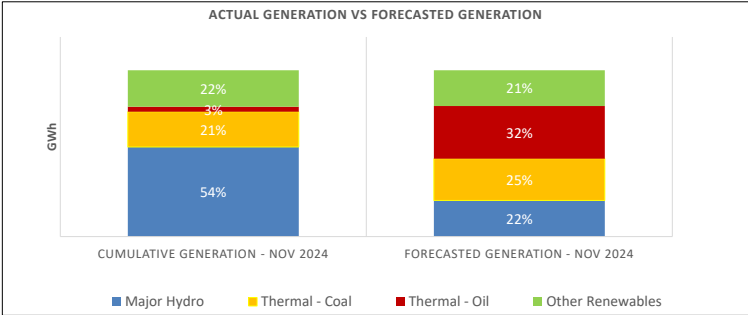
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 504 Mn LKR

Actual Generation Mix - 16th Dec 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.1	57%
Thermal - Coal	9.5	22%
Thermal - Furnace Oil	1.5	3%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.6	4%
Wind - IPP	1.2	3%
BMP	0.3	0.8%
Solar	0.4	1%
Mini Hydro	4.2	10%
Total	43.76	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 566 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	390	303
Thermal - Coal	153	350
Thermal - Oil	22	442
Other Renewables	159	300
Total	724	1,394

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	611	Mn LKR
Thermal - Coal	4,100	Mn LKR
Thermal - Furnace Oil	1,954	Mn LKR
Thermal - Diesel	350	Mn LKR
Thermal - Naphtha	86	Mn LKR
Wind - CEB	334	Mn LKR
Wind - IPP	166	Mn LKR
Solar - IPP - Ground Mounted	175	Mn LKR
Solar - Roof Top	1,122	Mn LKR
Mini Hydro	1,028	Mn LKR
Municipal Solid Waste	248	Mn LKR
Total Generation Cost	10,174	Mn LKR

Generation Energy Cost (Nov)	6,670	Mn LKR
*Generation Capacity Cost (Nov)	2,861	Mn LKR
Other Cost (Nov)	643	Mn LKR

Average Unit Cost of Generation (Nov)	14.06	LKR/kWh
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Note -

* Capacity cost is based on the approved BST submission.