



# Daily Electricity Generation & Cost Estimation Report

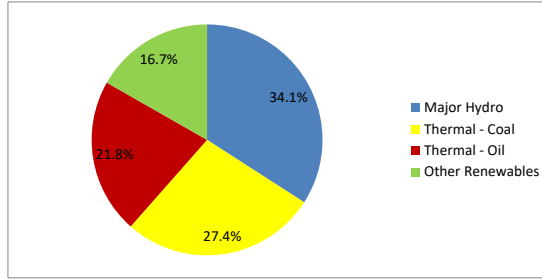
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30th December 2024



**Daily Generation Mix - 30th December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.15	34.1%
Thermal - Coal	12.98	27.4%
Thermal - Furnace Oil	6.65	14.1%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.65	7.7%
Wind - CEB	1.00	2.1%
Wind - IPP	0.63	1.3%
Solar - IPP - Ground Mounted	0.54	1.1%
Solar - Roof Top	2.76	5.8%
Mini Hydro	2.66	5.6%
Municipal Solid Waste	0.33	0.7%
<b>Total</b>	<b>47.36</b>	



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

**Estimated Generation Cost : 30th 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	2.37	2.37
Thermal - Coal	253.5	27.5	45.0	326.0	19.53	2.12	3.47	25.12
Thermal - Furnace Oil	301.3	9.4	51.7	362.4	45.28	1.41	7.77	54.46
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	163.2	1.9	3.3	168.4	44.74	0.53	0.89	46.16
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	20.92	20.92
Wind - IPP	9.7	0.0	0.0	9.7	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	10.5	0.0	0.0	10.5	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	35.9	0.0	0.0	35.9	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.0	0.0	0.0	13.0	39.15	0.00	0.00	39.15
<b>Total</b>	<b>855.8</b>	<b>40.2</b>	<b>178.8</b>	<b>1074.8</b>	<b>18.07</b>	<b>0.85</b>	<b>3.78</b>	<b>22.70</b>

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 :

22.70 LKR/kWh

Total Generation Cost for the day:

1074.85 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 - 30th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.2	36%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	6.2	15%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.2	3%
Wind - IPP		
BMP	0.3	1%
Solar	0.5	1%
Mini Hydro	2.6	6%
<b>Total</b>	<b>42.53</b>	

**Actual Generation Mix - 30th Dec 2024 (Excluding generation from non telemetered power plants)**

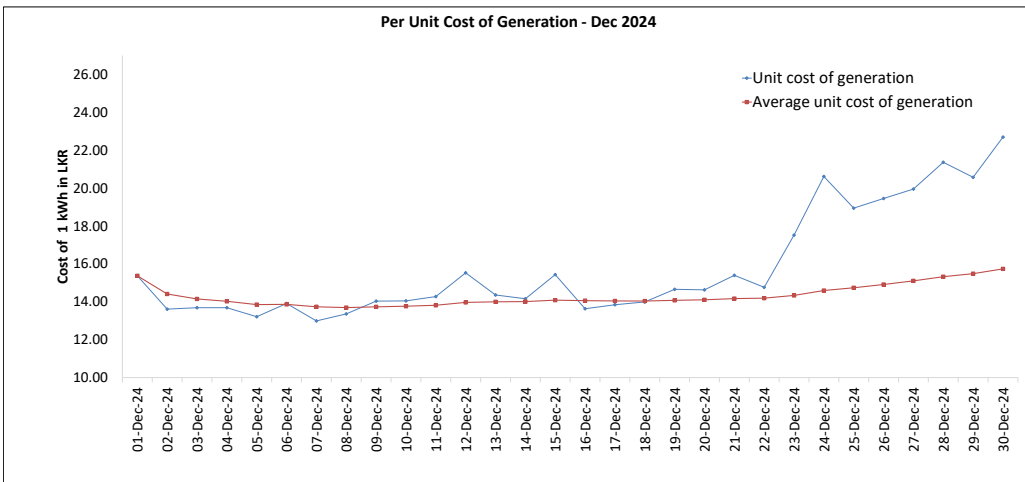
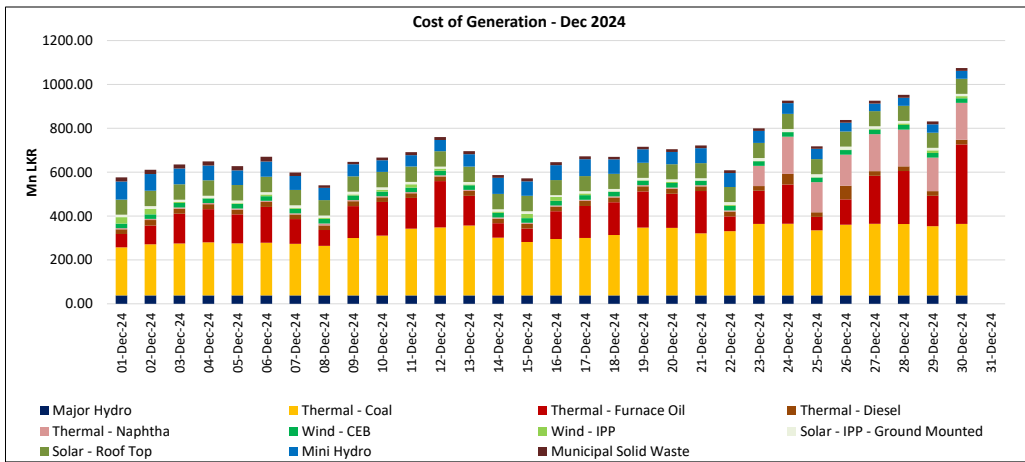
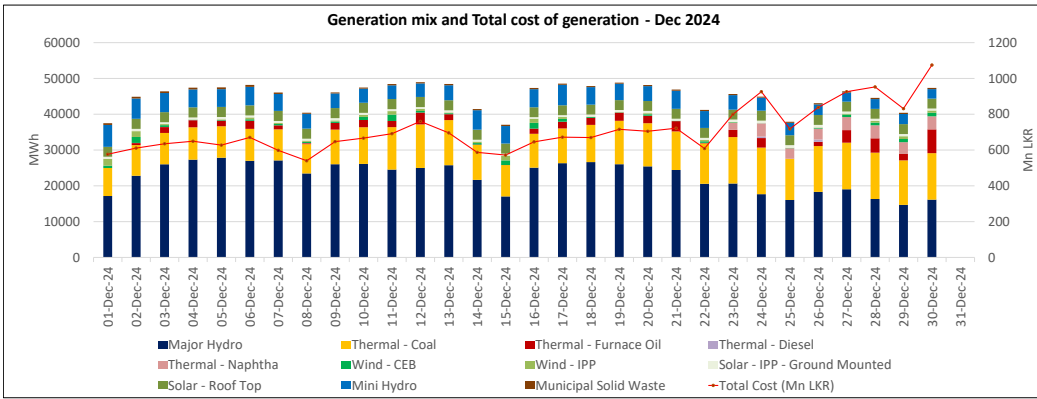
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.1	36%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	6.7	15%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.0	2%
Wind - IPP	0.6	1%
BMP	0.3	0.8%
Solar	0.5	1%
Mini Hydro	2.4	5%
<b>Total</b>	<b>44.29</b>	

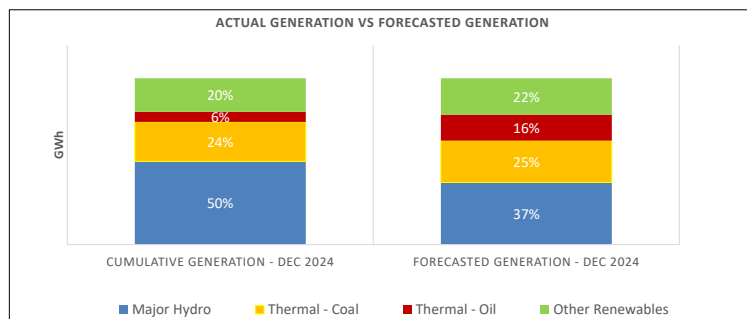
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

981 Mn LKR

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

1,002 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	678	520
Thermal - Coal	321	351
Thermal - Oil	82	218
Other Renewables	274	305
<b>Total</b>	<b>1,356</b>	<b>1,394</b>

Forecasted Generation - SDDP Dec 2024

**Estimated Cost of Generation - Dec 2024 ( Mn LKR)**

Major Hydro	1,146 Mn LKR
Thermal - Coal	8,395 Mn LKR
Thermal - Furnace Oil	4,298 Mn LKR
Thermal - Diesel	723 Mn LKR
Thermal - Naphtha	1,316 Mn LKR
Wind - CEB	626 Mn LKR
Wind - IPP	227 Mn LKR
Solar - IPP - Ground Mounted	341 Mn LKR
Solar - Roof Top	2,084 Mn LKR
Mini Hydro	1,757 Mn LKR
Municipal Solid Waste	420 Mn LKR
<b>Total Generation Cost</b>	<b>21,334 Mn LKR</b>

Generation Energy Cost (Dec) 14,763 Mn LKR

\*Generation Capacity Cost (Dec) 5,365 Mn LKR

Other Cost (Dec) 1,206 Mn LKR

Average Unit Cost of Generation (Dec) 15.74 LKR/kWh

Note -

\* Capacity cost is based on the approved BST submission.