



# Daily Electricity Generation & Cost Estimation Report

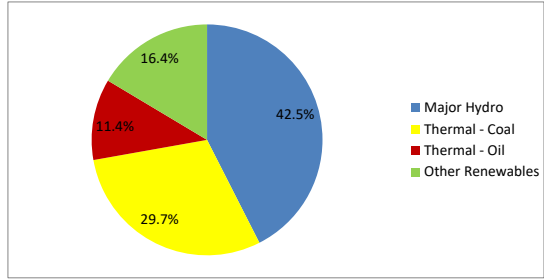
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26th December 2024



**Daily Generation Mix - 26th December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	18.31	42.5%
Thermal - Coal	12.79	29.7%
Thermal - Furnace Oil	1.20	2.8%
Thermal - Diesel	0.65	1.5%
Thermal - Naphtha	3.05	7.1%
Wind - CEB	0.17	0.4%
Wind - IPP	0.14	0.3%
Solar - IPP - Ground Mounted	0.72	1.7%
Solar - Roof Top	2.76	6.4%
Mini Hydro	2.97	6.9%
Municipal Solid Waste	0.32	0.7%
<b>Total</b>	<b>43.08</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 : 26th 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	2.09	2.09
Thermal - Coal	249.8	27.5	45.0	322.3	19.53	2.15	3.52	25.20
Thermal - Furnace Oil	54.4	9.4	51.7	115.5	45.26	7.80	42.96	96.01
Thermal - Diesel	41.0	1.5	19.8	62.2	63.58	2.25	30.63	96.46
Thermal - Naphtha	136.5	1.9	3.3	141.7	44.74	0.63	1.07	46.44
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	122.10	122.10
Wind - IPP	2.2	0.0	0.0	2.2	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	13.8	0.0	0.0	13.8	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	40.0	0.0	0.0	40.0	13.47	0.00	0.00	13.47
Municipal Solid Waste	12.6	0.0	0.0	12.6	39.15	0.00	0.00	39.15
<b>Total</b>	<b>619.0</b>	<b>40.2</b>	<b>178.8</b>	<b>838.0</b>	<b>14.37</b>	<b>0.93</b>	<b>4.15</b>	<b>19.45</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 :

19.45 LKR/kWh

Total Generation Cost for the day:

838.03 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 - 26th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	19.4	48%
Thermal - Coal	13.0	32%
Thermal - Furnace Oil	0.1	0%
Thermal - Diesel	0.4	1%
Thermal - Naphtha	3.2	8%
Wind - CEB	0.2	1%
Wind - IPP		
BMP	0.3	1%
Solar	0.6	2%
Mini Hydro	3.3	8%
<b>Total</b>	<b>40.49</b>	

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

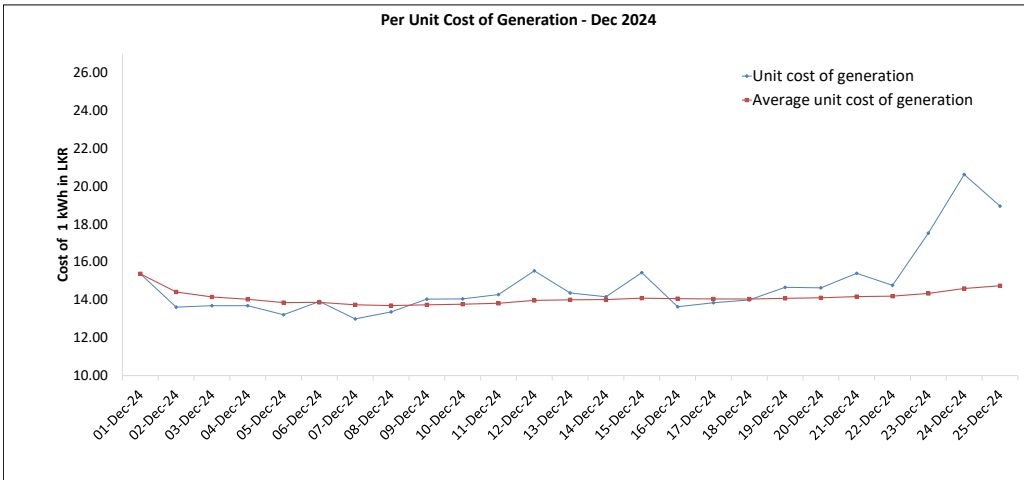
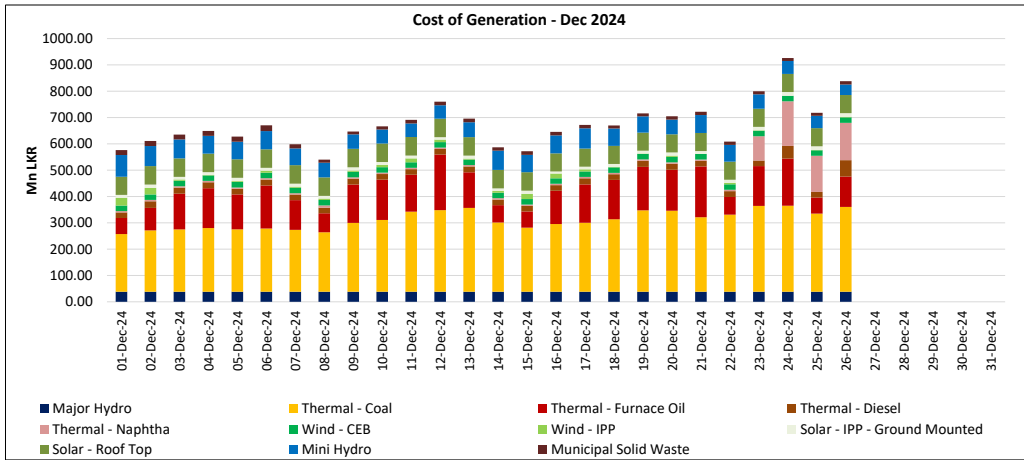
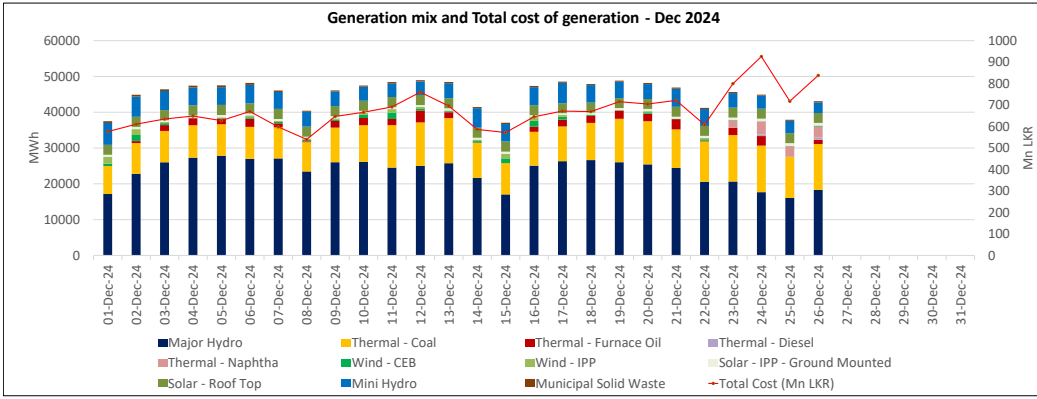
738 Mn LKR

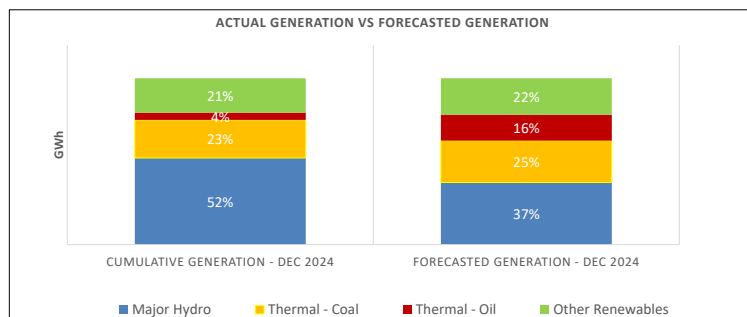
**Actual Generation Mix - 26th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	18.3	46%
Thermal - Coal	12.8	32%
Thermal - Furnace Oil	1.2	3%
Thermal - Diesel	0.6	2%
Thermal - Naphtha	3.1	8%
Wind - CEB	0.2	0%
Wind - IPP	0.1	0%
BMP	0.3	0.8%
Solar	0.7	2%
Mini Hydro	2.8	7%
<b>Total</b>	<b>40.15</b>	

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

767 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	612	520
Thermal - Coal	270	351
Thermal - Oil	52	218
Other Renewables	243	305
<b>Total</b>	<b>1,177</b>	<b>1,394</b>

Forecasted Generation - SDDP Dec 2024

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

Major Hydro	993 Mn LKR
Thermal - Coal	7,102 Mn LKR
Thermal - Furnace Oil	3,337 Mn LKR
Thermal - Diesel	638 Mn LKR
Thermal - Naphtha	658 Mn LKR
Wind - CEB	543 Mn LKR
Wind - IPP	194 Mn LKR
Solar - IPP - Ground Mounted	296 Mn LKR
Solar - Roof Top	1,809 Mn LKR
Mini Hydro	1,612 Mn LKR
Municipal Solid Waste	368 Mn LKR
<b>Total Generation Cost</b>	<b>17,549 Mn LKR</b>

Generation Energy Cost (Dec)	11,854 Mn LKR
*Generation Capacity Cost (Dec)	4,649 Mn LKR
Other Cost (Dec)	1,045 Mn LKR
<b>Average Unit Cost of Generation (Dec)</b>	<b>14.91 LKR/kWh</b>

Note -

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