



# Daily Electricity Generation & Cost Estimation Report

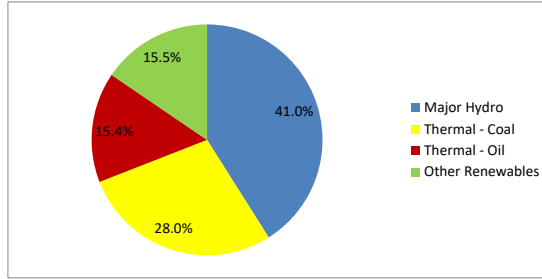
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27th December 2024



**Daily Generation Mix - 27th December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	19.04	41.0%
Thermal - Coal	13.01	28.0%
Thermal - Furnace Oil	3.52	7.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.65	7.9%
Wind - CEB	0.69	1.5%
Wind - IPP	0.26	0.6%
Solar - IPP - Ground Mounted	0.59	1.3%
Solar - Roof Top	2.76	5.9%
Mini Hydro	2.55	5.5%
Municipal Solid Waste	0.34	0.7%
<b>Total</b>	<b>46.41</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 : 27th 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	2.01	2.01
Thermal - Coal	254.1	27.5	45.0	326.6	19.53	2.11	3.46	25.10
Thermal - Furnace Oil	157.7	9.4	51.7	218.7	44.85	2.67	14.70	62.21
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	163.4	1.9	3.3	168.6	44.74	0.53	0.89	46.16
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	30.48	30.48
Wind - IPP	4.0	0.0	0.0	4.0	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.4	0.0	0.0	11.4	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	34.4	0.0	0.0	34.4	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.2	0.0	0.0	13.2	39.15	0.00	0.00	39.15
<b>Total</b>	<b>706.9</b>	<b>40.2</b>	<b>178.8</b>	<b>926.0</b>	<b>15.23</b>	<b>0.87</b>	<b>3.85</b>	<b>19.95</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 :

19.95 LKR/kWh

Total Generation Cost for the day:

925.97 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 - 27th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.8	40%
Thermal - Coal	13.0	33%
Thermal - Furnace Oil	2.8	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB	0.2	1%
Wind - IPP		
BMP	0.3	1%
Solar	0.6	2%
Mini Hydro	3.3	8%
<b>Total</b>	<b>39.55</b>	

**Actual Generation Mix - 27th Dec 2024 (Excluding generation from non telemetered power plants)**

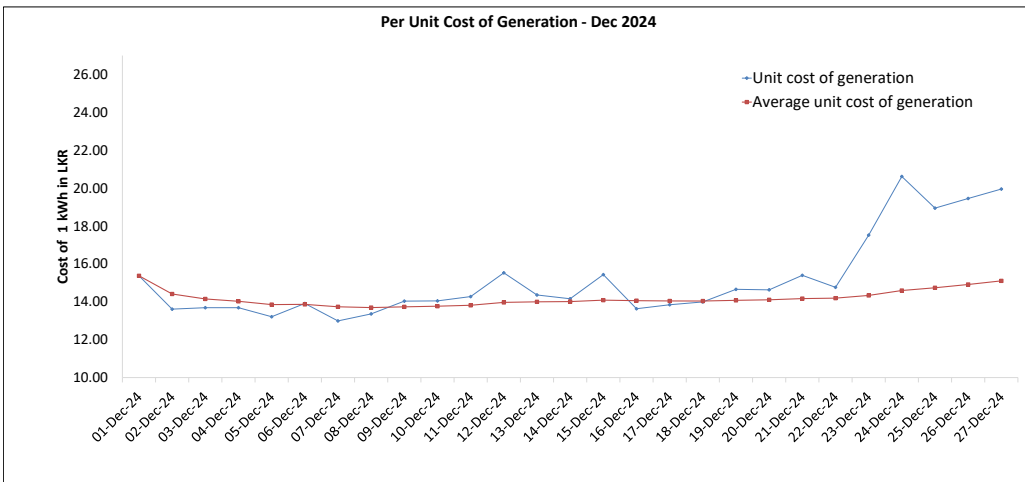
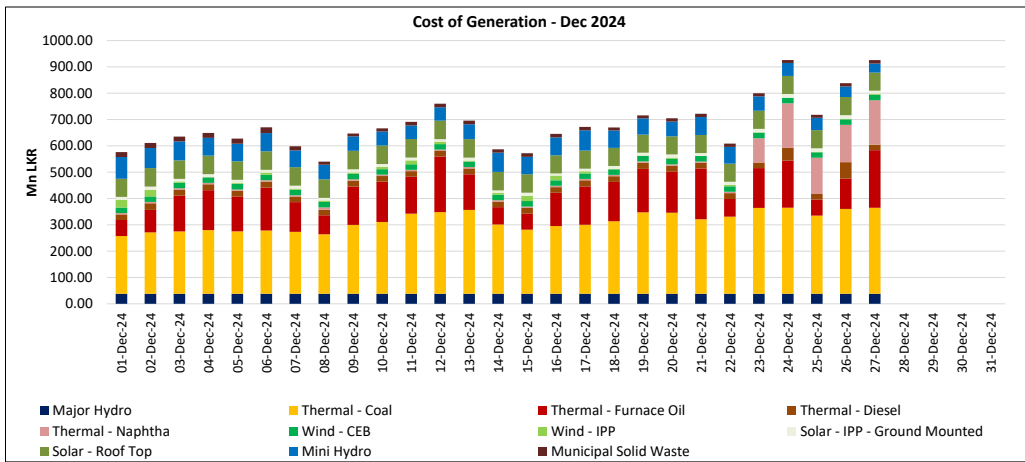
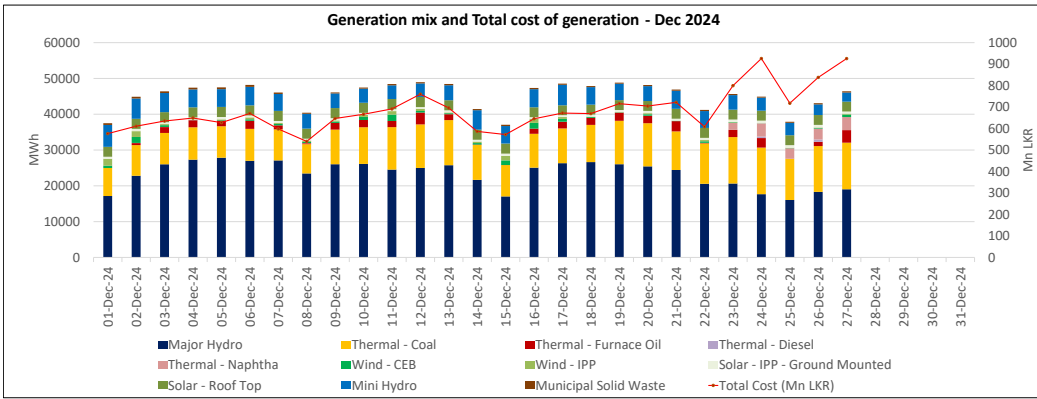
Plant Type	Generation (GWh)	Percentage
Major Hydro	19.0	44%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	3.5	8%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.7	8%
Wind - CEB	0.7	2%
Wind - IPP	0.3	1%
BMP	0.3	0.8%
Solar	0.6	1%
Mini Hydro	2.4	6%
<b>Total</b>	<b>43.50</b>	

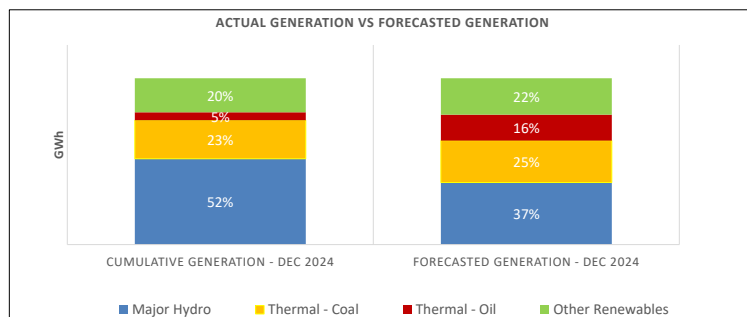
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

831 Mn LKR

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

855 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	631	520
Thermal - Coal	283	351
Thermal - Oil	59	218
Other Renewables	250	305
<b>Total</b>	<b>1,223</b>	<b>1,394</b>

Forecasted Generation - SDDP Dec 2024

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

Major Hydro	1,031 Mn LKR
Thermal - Coal	7,428 Mn LKR
Thermal - Furnace Oil	3,556 Mn LKR
Thermal - Diesel	659 Mn LKR
Thermal - Naphtha	827 Mn LKR
Wind - CEB	564 Mn LKR
Wind - IPP	198 Mn LKR
Solar - IPP - Ground Mounted	308 Mn LKR
Solar - Roof Top	1,878 Mn LKR
Mini Hydro	1,646 Mn LKR
Municipal Solid Waste	381 Mn LKR
<b>Total Generation Cost</b>	<b>18,475 Mn LKR</b>

Generation Energy Cost (Dec)	12,561 Mn LKR
*Generation Capacity Cost (Dec)	4,828 Mn LKR
Other Cost (Dec)	1,085 Mn LKR
<b>Average Unit Cost of Generation (Dec)</b>	<b>15.10 LKR/kWh</b>

Note -

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