



# Daily Electricity Generation & Cost Estimation Report

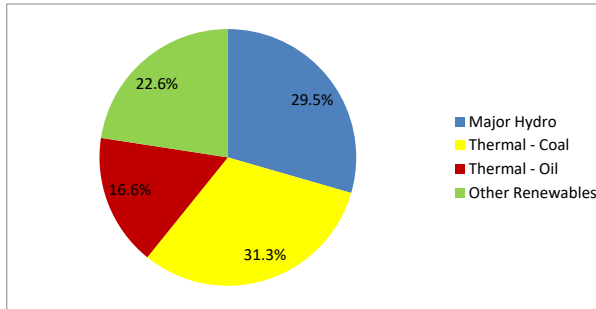
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12th January 2025



**Daily Generation Mix - 12th January 2025**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.24	29.5%
Thermal - Coal	13.02	31.3%
Thermal - Furnace Oil	3.41	8.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.50	8.4%
Wind - CEB	0.87	2.1%
Wind - IPP	0.73	1.8%
Solar - IPP - Ground Mounted	0.43	1.0%
Solar - Roof Top	2.91	7.0%
Mini Hydro	4.13	9.9%
Municipal Solid Waste	0.31	0.7%
<b>Total</b>	<b>41.54</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 : 12th January 2025**

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	3.12	3.12
Thermal - Coal	254.7	27.5	45.0	327.2	19.57	2.11	3.46	25.14
Thermal - Furnace Oil	151.4	9.4	51.7	212.4	44.41	2.75	15.16	62.32
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	156.6	1.9	3.3	161.8	44.74	0.55	0.93	46.22
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	24.11	24.11
Wind - IPP	11.3	0.0	0.0	11.3	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	8.3	0.0	0.0	8.3	19.47	0.00	0.00	19.47
Solar - Roof Top	77.0	0.0	0.0	77.0	26.47	0.00	0.00	26.47
Mini Hydro	56.8	0.0	0.0	56.8	13.76	0.00	0.00	13.76
Municipal Solid Waste	12.2	0.0	0.0	12.2	39.48	0.00	0.00	39.48
<b>Total</b>	<b>728.5</b>	<b>40.2</b>	<b>178.8</b>	<b>947.5</b>	<b>17.53</b>	<b>0.97</b>	<b>4.30</b>	<b>22.81</b>

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission 2024 (December figures)

Unit Cost of Generation for the day : **22.81 LKR/kWh**  
 Total Generation Cost for the day: **947.48 Mn LKR**

**Fuel Prices**

(as at 6th Jan 2025)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	47.66
Naphtha	166.00
Auto Diesel	286.00

**Scheduled (Day Ahead) Generation Mix - 12th Jan 2025 (Excluding generation from non telemetered power plants)**

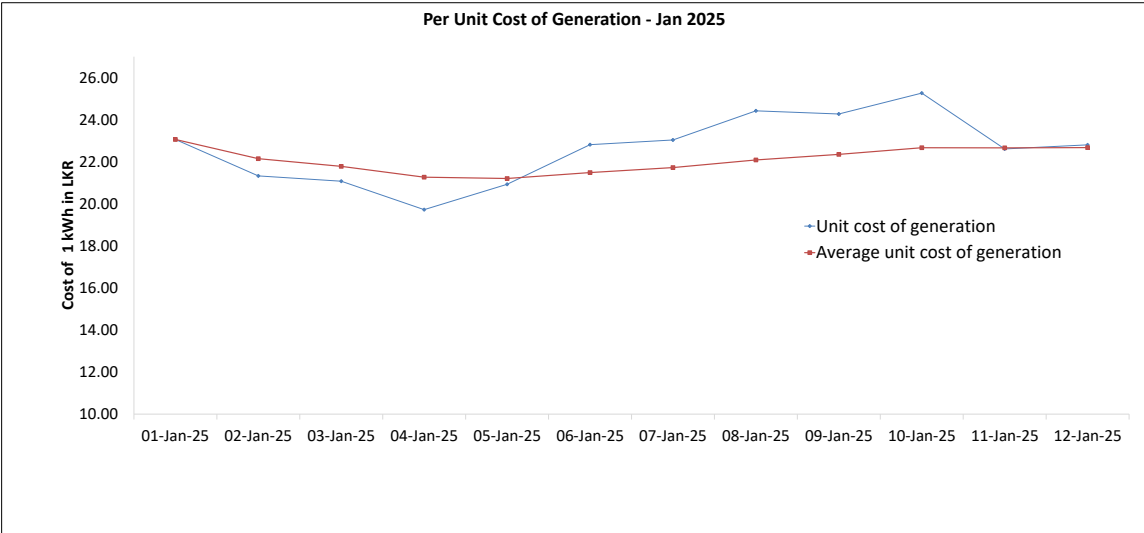
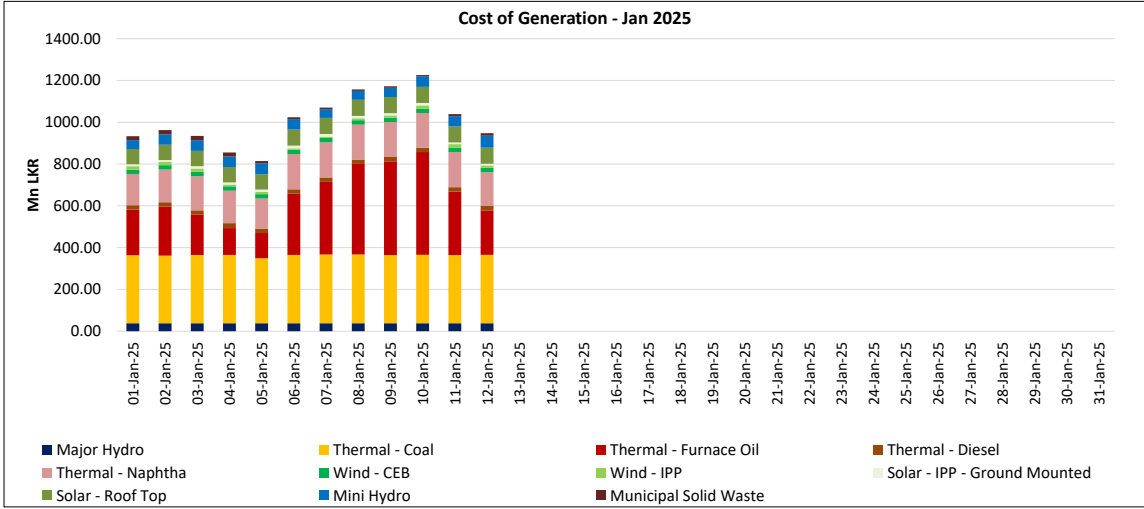
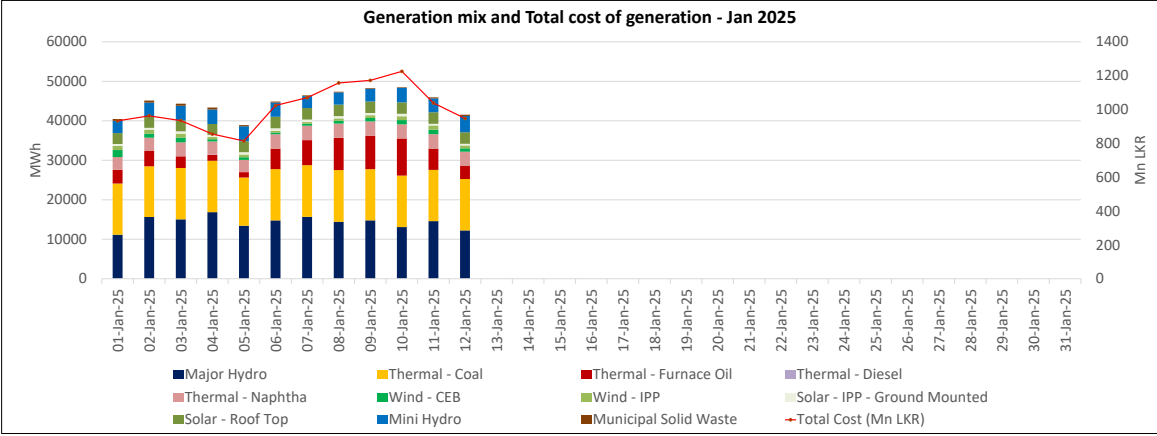
Plant Type	Generation (GWh)	Percentage
Major Hydro	9.6	25%
Thermal - Coal	12.9	34%
Thermal - Furnace Oil	6.5	17%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB		
Wind - IPP	0.9	2%
BMP	0.1	0%
Solar	0.5	1%
Mini Hydro	4.0	10%
<b>Total</b>	<b>38.08</b>	

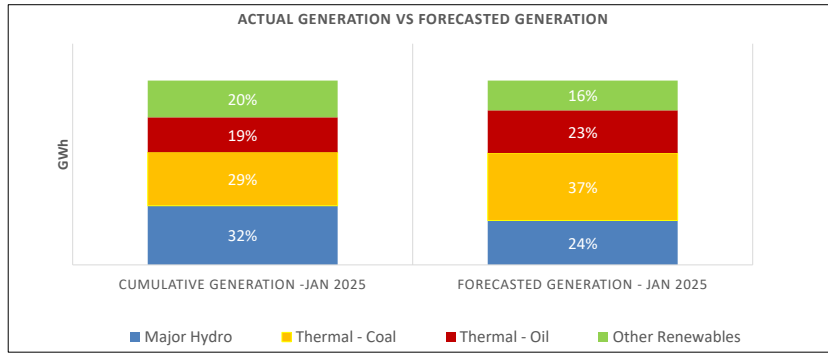
**Actual Generation Mix - 12th Jan 2025 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.2	32%
Thermal - Coal	13.0	34%
Thermal - Furnace Oil	3.4	9%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.5	9%
Wind - CEB	0.9	2%
Wind - IPP	0.7	2%
BMP	0.3	0.8%
Solar	0.4	1%
Mini Hydro	3.9	10%
<b>Total</b>	<b>38.40</b>	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1,000 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **867 Mn LKR**





	Cumulative Generation -Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	172	341
Thermal - Coal	155	519
Thermal - Oil	101	328
Other Renewables	107	229
<b>Total</b>	<b>535</b>	<b>1,417</b>

Forecasted Generation - SDDP Dec 2024

**Estimated Cost of Generation - Jan 2025 ( Mn LKR)**

Major Hydro	458 Mn LKR
Thermal - Coal	3,904 Mn LKR
Thermal - Furnace Oil	3,425 Mn LKR
Thermal - Diesel	257 Mn LKR
Thermal - Naphtha	1,936 Mn LKR
Wind - CEB	251 Mn LKR
Wind - IPP	143 Mn LKR
Solar - IPP - Ground Mounted	128 Mn LKR
Solar - Roof Top	904 Mn LKR
Mini Hydro	581 Mn LKR
Municipal Solid Waste	149 Mn LKR
<b>Total Generation Cost</b>	<b>12,136 Mn LKR</b>

Generation Energy Cost (Jan)	9,507 Mn LKR
*Generation Capacity Cost (Jan)	2,146 Mn LKR
Other Cost (Jan)	482 Mn LKR

Average Unit Cost of Generation (Jan)	22.68 LKR/kWh
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Note -

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