



# Daily Electricity Generation & Cost Estimation Report

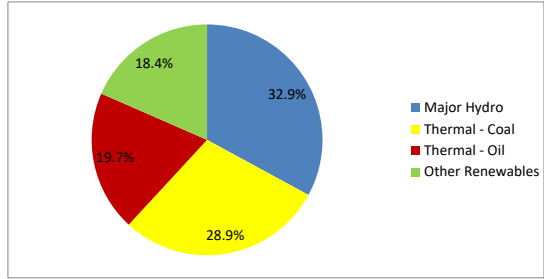
---

6th January 2025



**Daily Generation Mix - 6th January 2025**

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.78	32.9%
Thermal - Coal	12.99	28.9%
Thermal - Furnace Oil	5.19	11.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.65	8.1%
Wind - CEB	0.43	1.0%
Wind - IPP	0.43	0.9%
Solar - IPP - Ground Mounted	0.66	1.5%
Solar - Roof Top	2.91	6.5%
Mini Hydro	3.62	8.1%
Municipal Solid Waste	0.23	0.5%
<b>Total</b>	<b>44.88</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 : 6th 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	2.59	2.59
Thermal - Coal	254.2	27.5	45.0	326.7	19.57	2.11	3.47	25.15
Thermal - Furnace Oil	232.1	9.4	51.7	293.1	44.76	1.81	9.97	56.53
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	48.33	48.33
Wind - IPP	6.6	0.0	0.0	6.6	15.54	0.00	0.00	15.54
Solar - IPP - Ground Mounted	12.8	0.0	0.0	12.8	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	49.8	0.0	0.0	49.8	13.76	0.00	0.00	13.76
Municipal Solid Waste	9.2	0.0	0.0	9.2	39.48	0.00	0.00	39.48
<b>Total</b>	<b>805.0</b>	<b>40.2</b>	<b>178.8</b>	<b>1024.0</b>	<b>17.94</b>	<b>0.90</b>	<b>3.98</b>	<b>22.82</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 : **22.82 LKR/kWh**  
 Total Generation Cost for the day: **1024.02 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 - 6th Jan 2025 (Excluding generation from non telemetered power plants)**

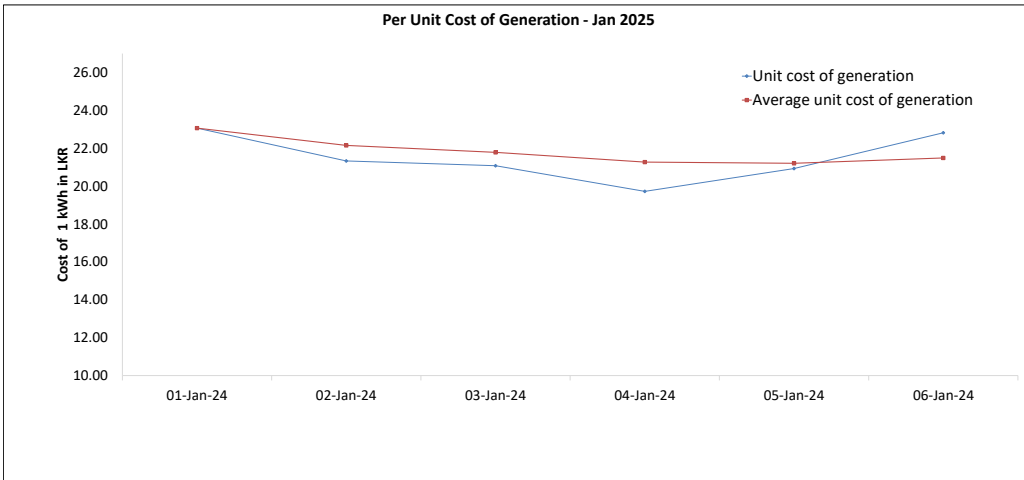
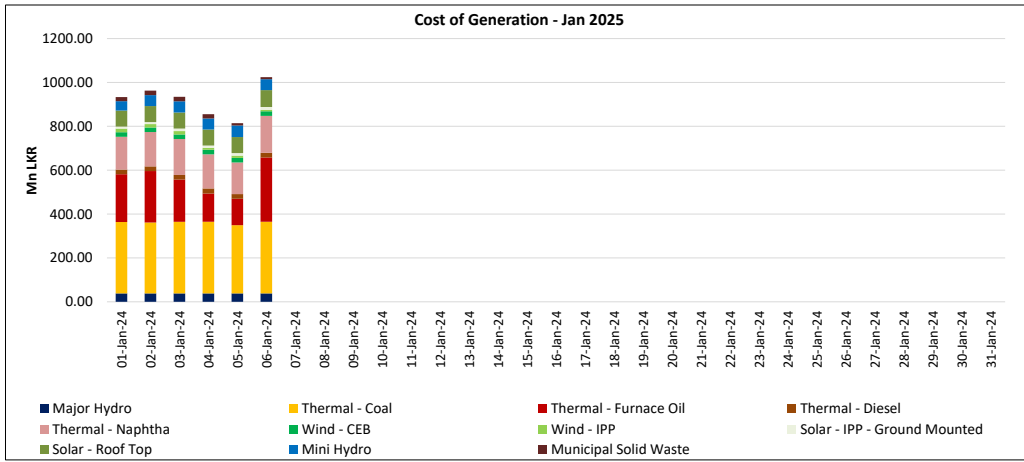
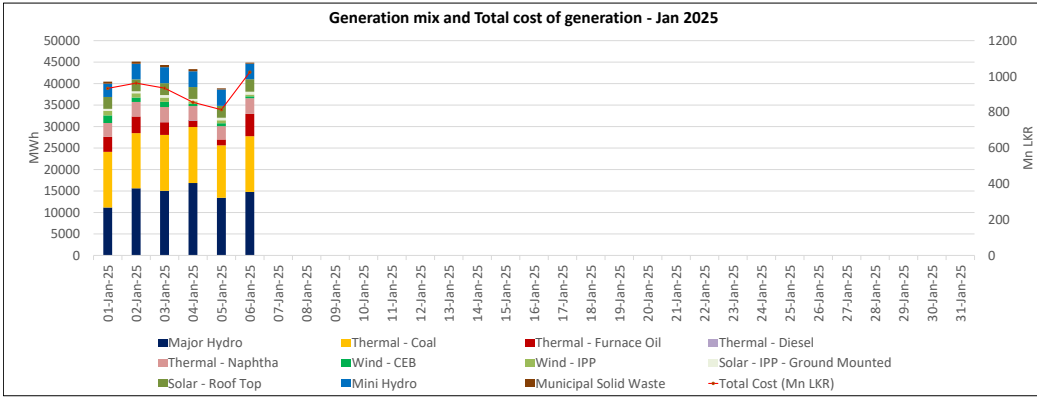
Plant Type	Generation (GWh)	Percentage
Major Hydro	14.5	35%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	5.1	12%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	9%
Wind - CEB	0.8	2%
Wind - IPP		
BMP	0.5	1%
Solar	0.5	1%
Mini Hydro	3.5	8%
<b>Total</b>	<b>41.46</b>	

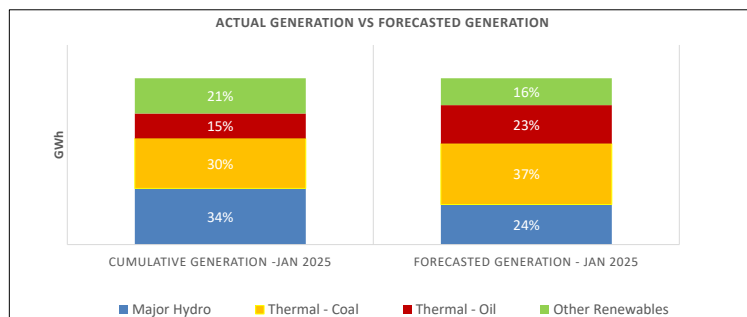
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **946 Mn LKR**

**Actual Generation Mix - 6th Jan 2025 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.8	35%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	5.2	12%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.7	9%
Wind - CEB	0.4	1%
Wind - IPP	0.4	1%
BMP	0.2	0.6%
Solar	0.7	2%
Mini Hydro	3.4	8%
<b>Total</b>	<b>41.76</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **944 Mn LKR**





	Cumulative Generation - Jan 2025	Forecasted Generation - Jan 2025
Major Hydro	87	341
Thermal - Coal	77	519
Thermal - Oil	39	328
Other Renewables	55	229
<b>Total</b>	<b>257</b>	<b>1,417</b>

Forecasted Generation - SDOP Dec 2024

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

Major Hydro	229 Mn LKR
Thermal - Coal	1,940 Mn LKR
Thermal - Furnace Oil	1,187 Mn LKR
Thermal - Diesel	129 Mn LKR
Thermal - Naphtha	937 Mn LKR
Wind - CEB	125 Mn LKR
Wind - IPP	73 Mn LKR
Solar - IPP - Ground Mounted	65 Mn LKR
Solar - Roof Top	442 Mn LKR
Mini Hydro	297 Mn LKR
Municipal Solid Waste	99 Mn LKR
<b>Total Generation Cost</b>	<b>5,524 Mn LKR</b>

Generation Energy Cost (Jan)	4,210 Mn LKR
*Generation Capacity Cost (Jan)	1,073 Mn LKR
Other Cost (Jan)	241 Mn LKR
<b>Average Unit Cost of Generation (Jan)</b>	<b>21.49 LKR/kWh</b>

Note -

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