



# Daily Electricity Generation & Cost Estimation Report

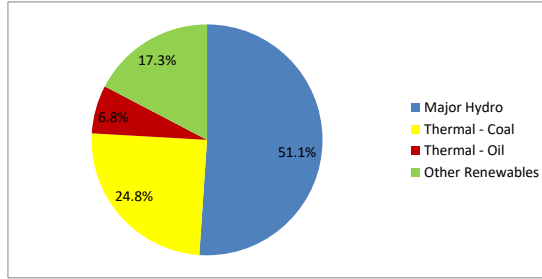
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12th December 2024



**Daily Generation Mix - 12th December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.00	51.1%
Thermal - Coal	12.16	24.8%
Thermal - Furnace Oil	3.31	6.8%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.43	0.9%
Wind - IPP	0.63	1.3%
Solar - IPP - Ground Mounted	0.48	1.0%
Solar - Roof Top	2.82	5.8%
Mini Hydro	3.78	7.7%
Municipal Solid Waste	0.34	0.7%
<b>Total</b>	<b>48.95</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 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	1.53	1.53
Thermal - Coal	237.4	27.5	45.0	309.9	19.53	2.26	3.71	25.49
Thermal - Furnace Oil	150.2	9.4	51.7	211.3	45.34	2.83	15.60	63.77
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.9	3.3	5.2	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	48.11	48.11
Wind - IPP	9.6	0.0	0.0	9.6	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	9.3	0.0	0.0	9.3	19.28	0.00	0.00	19.28
Solar - Roof Top	70.3	0.0	0.0	70.3	24.92	0.00	0.00	24.92
Mini Hydro	51.0	0.0	0.0	51.0	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.4	0.0	0.0	13.4	39.15	0.00	0.00	39.15
<b>Total</b>	<b>541.1</b>	<b>40.2</b>	<b>178.8</b>	<b>760.1</b>	<b>11.05</b>	<b>0.82</b>	<b>3.65</b>	<b>15.53</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 :

15.53 LKR/kWh

Total Generation Cost for the day:

760.11 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 - 12th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.0	55%
Thermal - Coal	12.9	28%
Thermal - Furnace Oil	2.7	6%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.8	2%
Wind - IPP		
BMP	0.4	1%
Solar	0.5	1%
Mini Hydro	3.6	8%
<b>Total</b>	<b>45.89</b>	

**Actual Generation Mix - 12th Dec 2024 (Excluding generation from non telemetered power plants)**

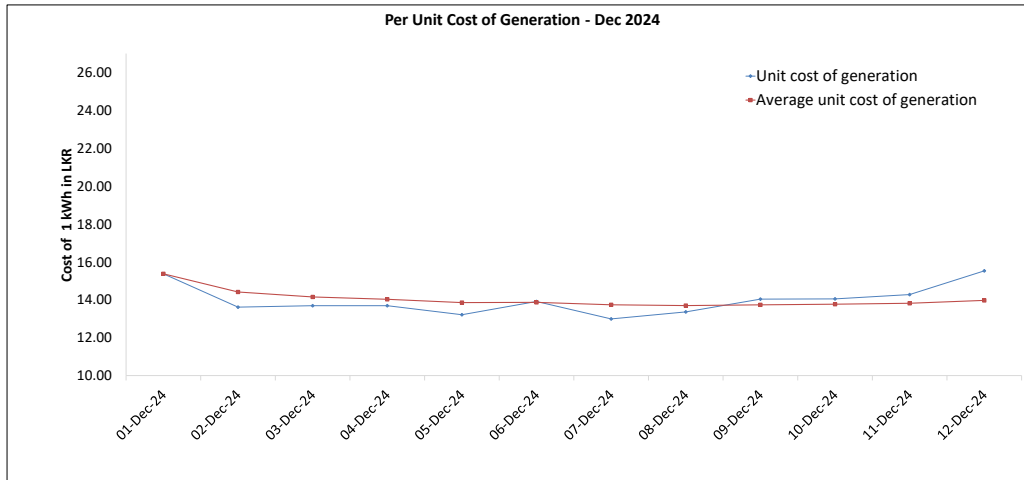
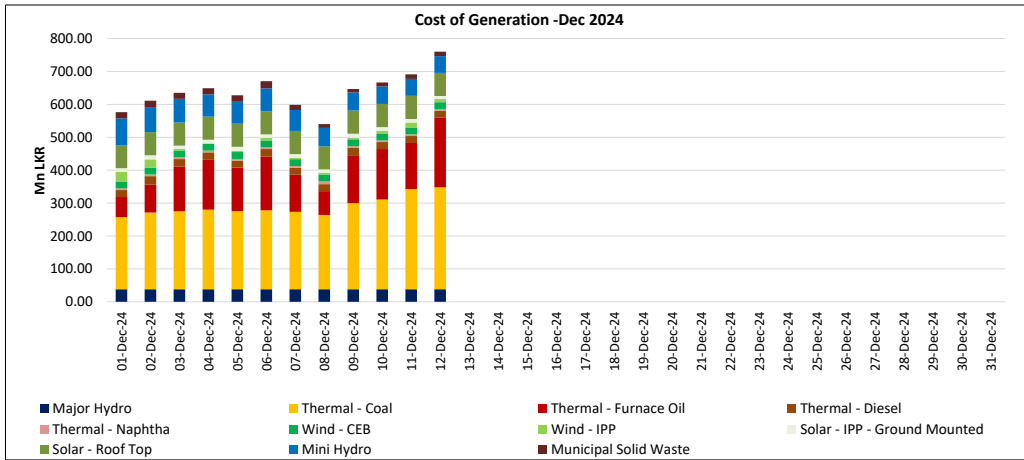
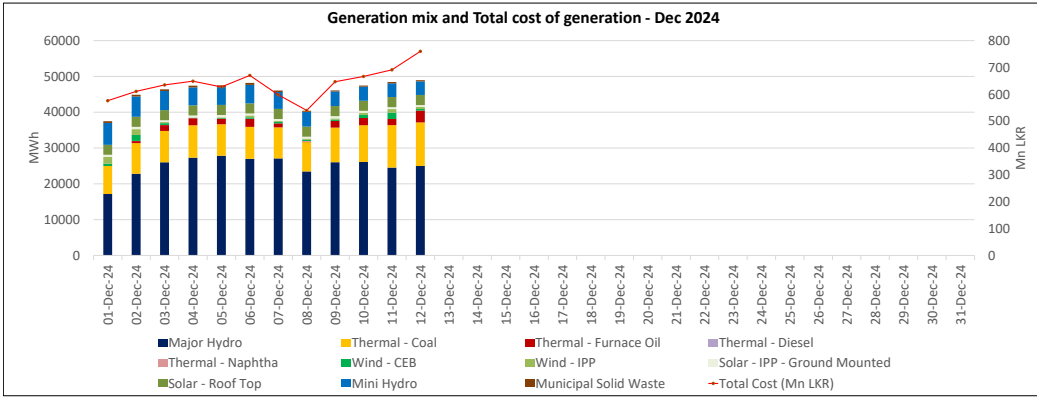
Plant Type	Generation (GWh)	Percentage
Major Hydro	25.0	54%
Thermal - Coal	12.2	26%
Thermal - Furnace Oil	3.3	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.4	1%
Wind - IPP	0.6	1%
BMP	0.3	0.7%
Solar	0.5	1%
Mini Hydro	3.6	8%
<b>Total</b>	<b>45.92</b>	

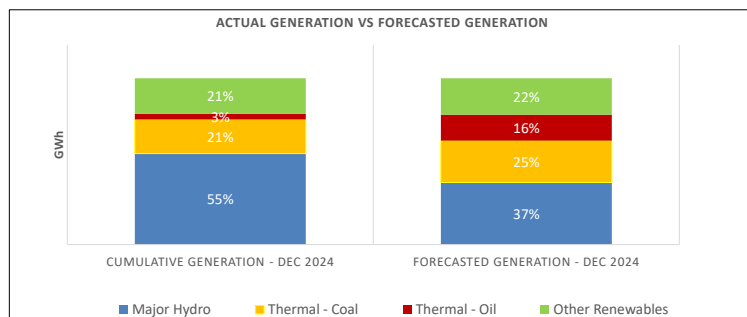
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

670 Mn LKR

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

687 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	300	520
Thermal - Coal	113	351
Thermal - Oil	18	218
Other Renewables	118	305
<b>Total</b>	<b>549</b>	<b>1394</b>

Forecasted Generation - SDOP Dec 2024

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

Major Hydro	458 Mn LKR
Thermal - Coal	3,017 Mn LKR
Thermal - Furnace Oil	1,565 Mn LKR
Thermal - Diesel	264 Mn LKR
Thermal - Naphtha	66 Mn LKR
Wind - CEB	251 Mn LKR
Wind - IPP	119 Mn LKR
Solar - IPP - Ground Mounted	133 Mn LKR
Solar - Roof Top	842 Mn LKR
Mini Hydro	764 Mn LKR
Municipal Solid Waste	194 Mn LKR
<b>Total Generation Cost</b>	<b>7,673 Mn LKR</b>

Generation Energy Cost (Dec)	5,045 Mn LKR
*Generation Capacity Cost (Dec)	2,146 Mn LKR
Other Cost (Dec)	482 Mn LKR
<b>Average Unit Cost of Generation (Dec)</b>	<b>13.97 LKR/kWh</b>

Note -

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