



# Daily Electricity Generation & Cost Estimation Report

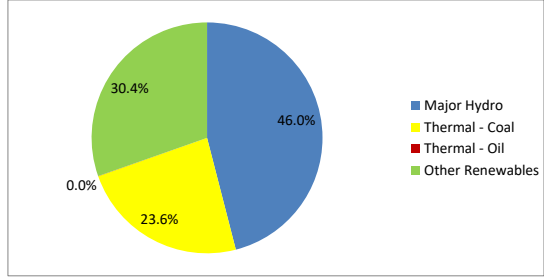
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15th December 2024



**Daily Generation Mix - 15th December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	17.05	46.0%
Thermal - Coal	8.75	23.6%
Thermal - Furnace Oil	0.01	0.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.29	3.5%
Wind - IPP	1.27	3.4%
Solar - IPP - Ground Mounted	0.63	1.7%
Solar - Roof Top	2.82	7.6%
Mini Hydro	4.89	13.2%
Municipal Solid Waste	0.36	1.0%
<b>Total</b>	<b>37.06</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 : 15th 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	2.24	2.24
Thermal - Coal	170.9	27.5	45.0	243.4	19.53	3.14	5.15	27.81
Thermal - Furnace Oil	0.4	9.4	51.7	61.4	41.36	1042.11	5741.89	6825.36
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	16.18	16.18
Wind - IPP	19.5	0.0	0.0	19.5	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	12.2	0.0	0.0	12.2	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	65.9	0.0	0.0	65.9	13.47	0.00	0.00	13.47
Municipal Solid Waste	13.9	0.0	0.0	13.9	39.15	0.00	0.00	39.15
<b>Total</b>	<b>353.0</b>	<b>40.2</b>	<b>178.8</b>	<b>572.0</b>	<b>9.52</b>	<b>1.08</b>	<b>4.82</b>	<b>15.43</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 :

15.43 LKR/kWh

Total Generation Cost for the day:

572.04 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 - 15th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	21.4	58%
Thermal - Coal	9.9	27%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.9	2%
Wind - IPP		
BMP	0.4	1%
Solar	0.4	1%
Mini Hydro	4.0	11%
<b>Total</b>	<b>36.98</b>	

**Actual Generation Mix - 15th Dec 2024 (Excluding generation from non telemetered power plants)**

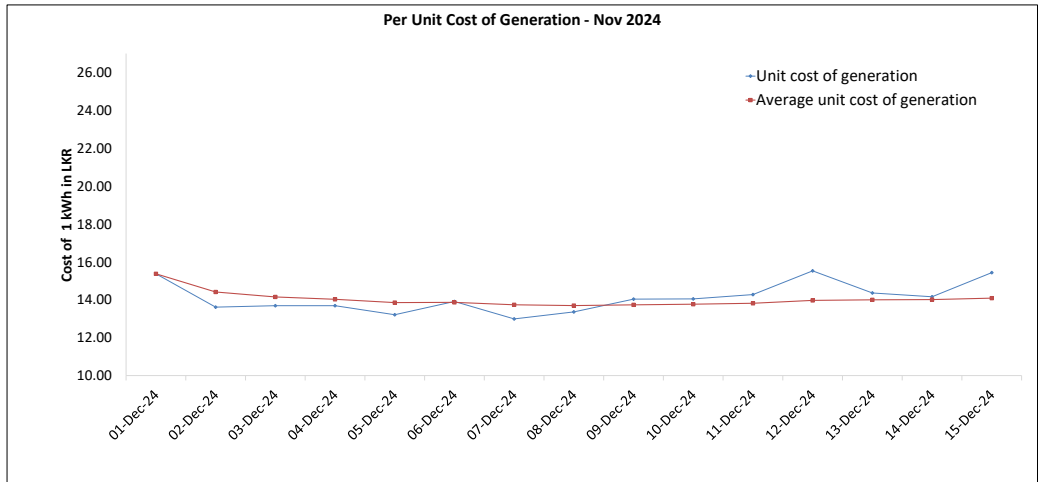
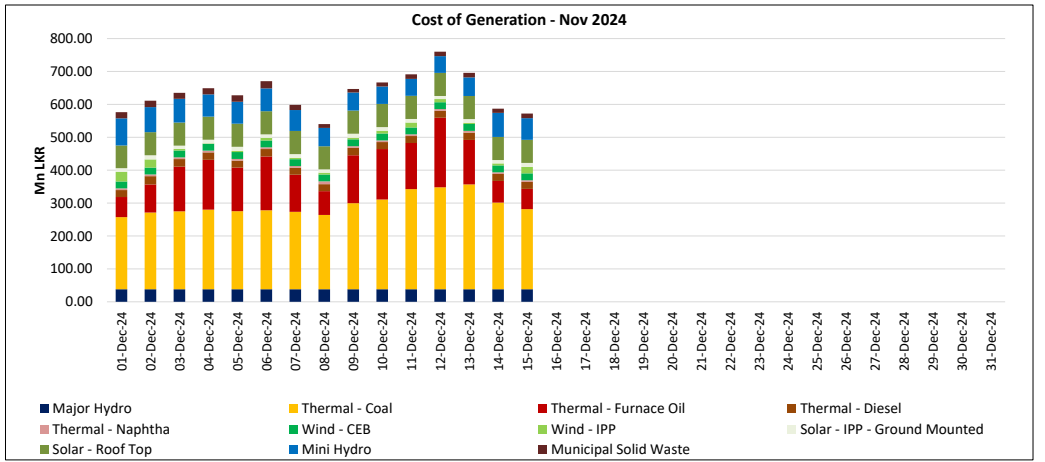
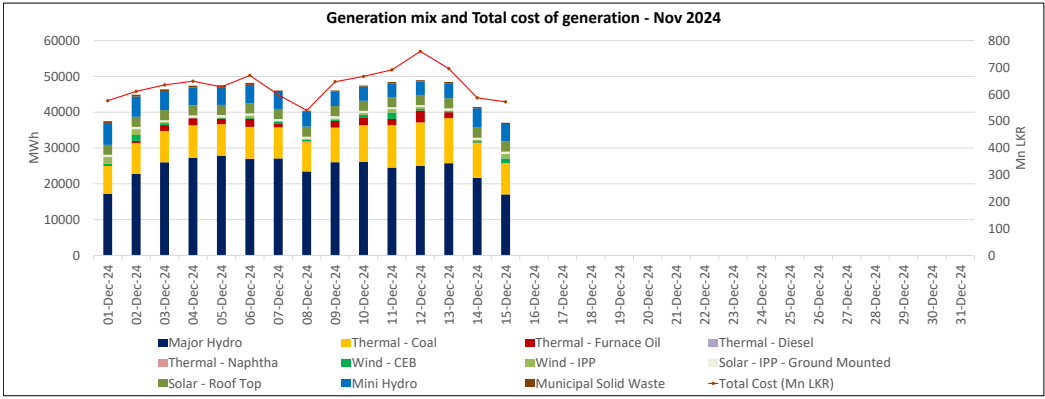
Plant Type	Generation (GWh)	Percentage
Major Hydro	17.0	50%
Thermal - Coal	8.8	26%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.3	4%
Wind - IPP	1.3	4%
BMP	0.4	1.0%
Solar	0.6	2%
Mini Hydro	4.6	14%
<b>Total</b>	<b>33.97</b>	

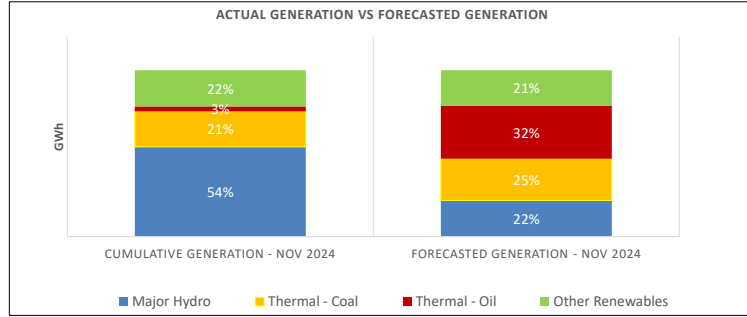
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

496 Mn LKR

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

498 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	365	303
Thermal - Coal	144	350
Thermal - Oil	20	442
Other Renewables	147	300
<b>Total</b>	<b>676</b>	<b>1394</b>

Forecasted Generation - SDDP Nov 2024

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

Major Hydro	573 Mn LKR
Thermal - Coal	3,842 Mn LKR
Thermal - Furnace Oil	1,827 Mn LKR
Thermal - Diesel	329 Mn LKR
Thermal - Naphtha	81 Mn LKR
Wind - CEB	313 Mn LKR
Wind - IPP	148 Mn LKR
Solar - IPP - Ground Mounted	167 Mn LKR
Solar - Roof Top	1,053 Mn LKR
Mini Hydro	960 Mn LKR
Municipal Solid Waste	235 Mn LKR
<b>Total Generation Cost</b>	<b>9,528 Mn LKR</b>

Generation Energy Cost (Nov)	6,243 Mn LKR
*Generation Capacity Cost (Nov)	2,682 Mn LKR
Other Cost (Nov)	603 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>14.09 LKR/kWh</b>

Note -

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