



# Daily Electricity Generation & Cost Estimation Report

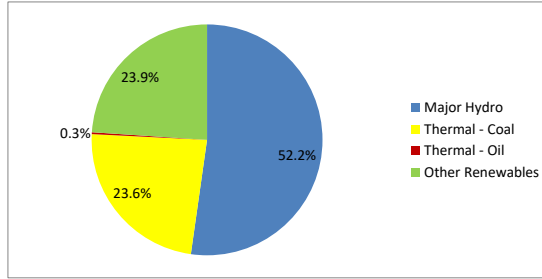
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14th December 2024



**Daily Generation Mix - 14th December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	21.66	52.2%
Thermal - Coal	9.76	23.6%
Thermal - Furnace Oil	0.11	0.3%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.42	1.0%
Wind - IPP	0.41	1.0%
Solar - IPP - Ground Mounted	0.52	1.3%
Solar - Roof Top	2.82	6.8%
Mini Hydro	5.43	13.1%
Municipal Solid Waste	0.33	0.8%
<b>Total</b>	<b>41.46</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 : 14th 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	1.76	1.76
Thermal - Coal	190.7	27.5	45.0	263.2	19.53	2.81	4.61	26.95
Thermal - Furnace Oil	4.8	9.4	51.7	65.8	44.29	86.84	478.49	609.62
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	49.48	49.48
Wind - IPP	6.3	0.0	0.0	6.3	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	10.1	0.0	0.0	10.1	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	73.1	0.0	0.0	73.1	13.47	0.00	0.00	13.47
Municipal Solid Waste	12.8	0.0	0.0	12.8	39.15	0.00	0.00	39.15
<b>Total</b>	<b>368.0</b>	<b>40.2</b>	<b>178.8</b>	<b>587.0</b>	<b>8.88</b>	<b>0.97</b>	<b>4.31</b>	<b>14.16</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 :

14.16 LKR/kWh

Total Generation Cost for the day:

587.00 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 - 14th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	23.5	63%
Thermal - Coal	9.0	24%
Thermal - Furnace Oil	0.1	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.6	2%
Wind - IPP		
BMP	0.3	1%
Solar	0.3	1%
Mini Hydro	3.6	9%
<b>Total</b>	<b>37.56</b>	

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

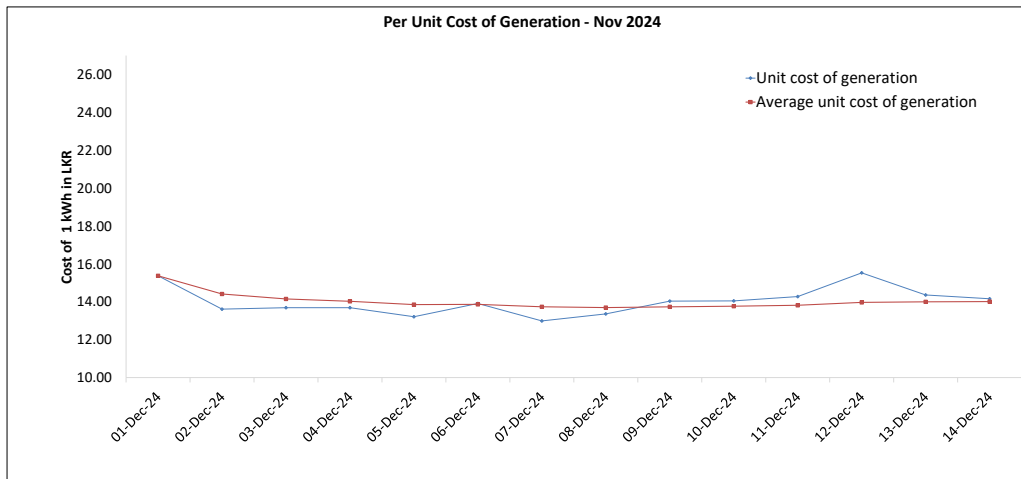
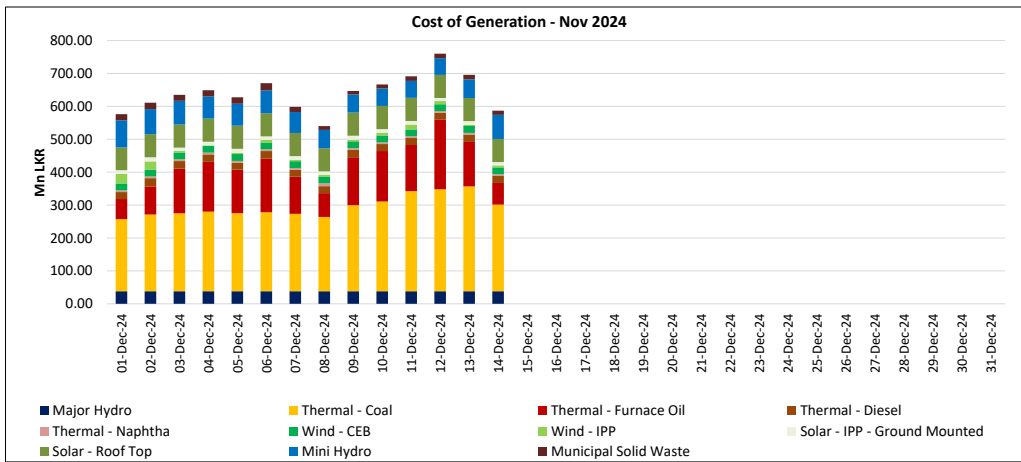
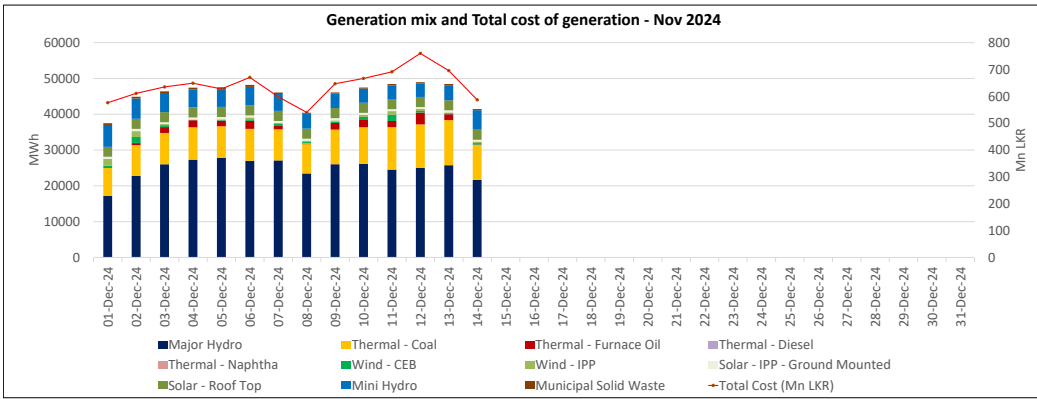
475 Mn LKR

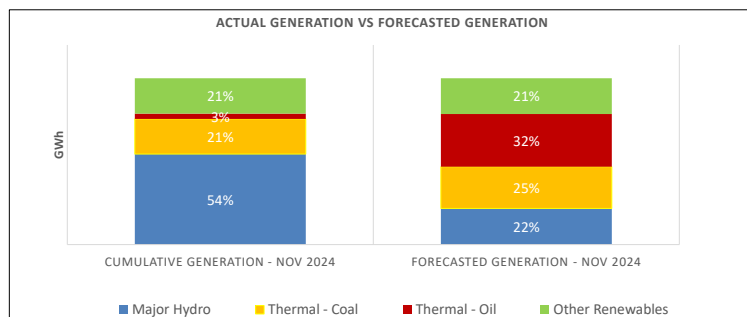
**Actual Generation Mix - 14th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	21.7	57%
Thermal - Coal	9.8	26%
Thermal - Furnace Oil	0.1	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.4	1%
Wind - IPP	0.4	1%
BMP	0.3	0.9%
Solar	0.5	1%
Mini Hydro	4.8	13%
<b>Total</b>	<b>38.01</b>	

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

508 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	348	303
Thermal - Coal	135	350
Thermal - Oil	20	442
Other Renewables	136	300
<b>Total</b>	<b>639</b>	<b>1394</b>

Forecasted Generation - SDDP Nov 2024

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

Major Hydro	535 Mn LKR
Thermal - Coal	3,599 Mn LKR
Thermal - Furnace Oil	1,766 Mn LKR
Thermal - Diesel	308 Mn LKR
Thermal - Naphtha	76 Mn LKR
Wind - CEB	292 Mn LKR
Wind - IPP	129 Mn LKR
Solar - IPP - Ground Mounted	154 Mn LKR
Solar - Roof Top	983 Mn LKR
Mini Hydro	894 Mn LKR
Municipal Solid Waste	221 Mn LKR
<b>Total Generation Cost</b>	<b>8,956 Mn LKR</b>

Generation Energy Cost (Nov)	5,890 Mn LKR
*Generation Capacity Cost (Nov)	2,503 Mn LKR
Other Cost (Nov)	563 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>14.01 LKR/kWh</b>

Note -

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