



# Daily Electricity Generation & Cost Estimation Report

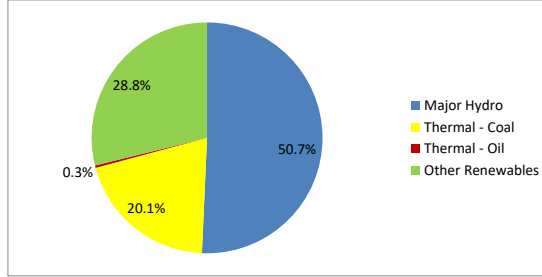
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27th November 2024



**Daily Generation Mix -27th Nov 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	22.47	50.7%
Thermal - Coal	8.91	20.1%
Thermal - Furnace Oil	0.14	0.3%
Thermal - Diesel	0.01	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.91	4.3%
Wind - IPP	1.94	4.4%
Solar - IPP - Ground Mounted	0.46	1.0%
Solar - Roof Top	2.77	6.3%
Mini Hydro	5.20	11.7%
Municipal Solid Waste	0.50	1.1%
<b>Total</b>	<b>44.31</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 : 27th Nov 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	39.1	39.1	0.00	0.00	1.74	1.74
Thermal - Coal	167.0	28.4	46.3	241.7	18.74	3.18	5.20	27.13
Thermal - Furnace Oil	6.0	9.7	51.9	67.7	44.29	71.26	381.92	497.47
Thermal - Diesel	1.0	1.5	20.0	22.5	73.66	107.18	1426.73	1607.56
Thermal - Naphtha	0.0	2.0	3.3	5.3	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	11.29	11.29
Wind - IPP	31.4	0.0	0.0	31.4	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	9.0	0.0	0.0	9.0	19.58	0.00	0.00	19.58
Solar - Roof Top	69.0	0.0	0.0	69.0	24.92	0.00	0.00	24.92
Mini Hydro	70.6	0.0	0.0	70.6	13.59	0.00	0.00	13.59
Municipal Solid Waste	19.6	0.0	0.0	19.6	39.00	0.00	0.00	39.00
<b>Total</b>	<b>373.7</b>	<b>41.5</b>	<b>182.2</b>	<b>597.4</b>	<b>8.43</b>	<b>0.94</b>	<b>4.11</b>	<b>13.48</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 :

13.48 LKR/kWh

Total Generation Cost for the day:

597.39 Mn LKR

**Fuel Prices**

( as at 11th Nov 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	45.65
Naphtha	166.00
Auto Diesel	283.00

**Scheduled (Day Ahead) Generation Mix - 27th Nov 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.6	58%
Thermal - Coal	9.3	21%
Thermal - Furnace Oil	0.4	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	3.2	7%
Wind - IPP		
BMP	0.4	1%
Solar	0.3	1%
Mini Hydro	5.0	11%
<b>Total</b>	<b>44.07</b>	

**Actual Generation Mix - 27th Nov 2024 (Excluding generation from non telemetered power plants)**

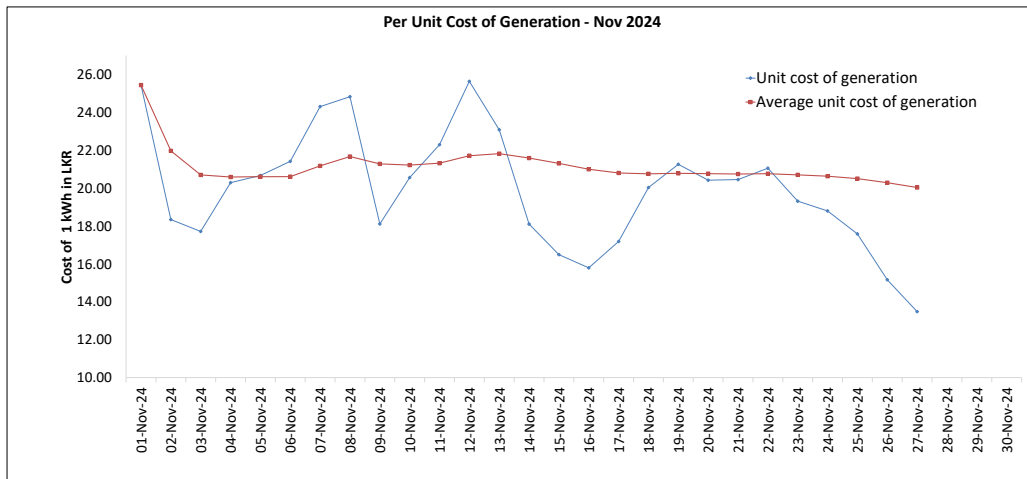
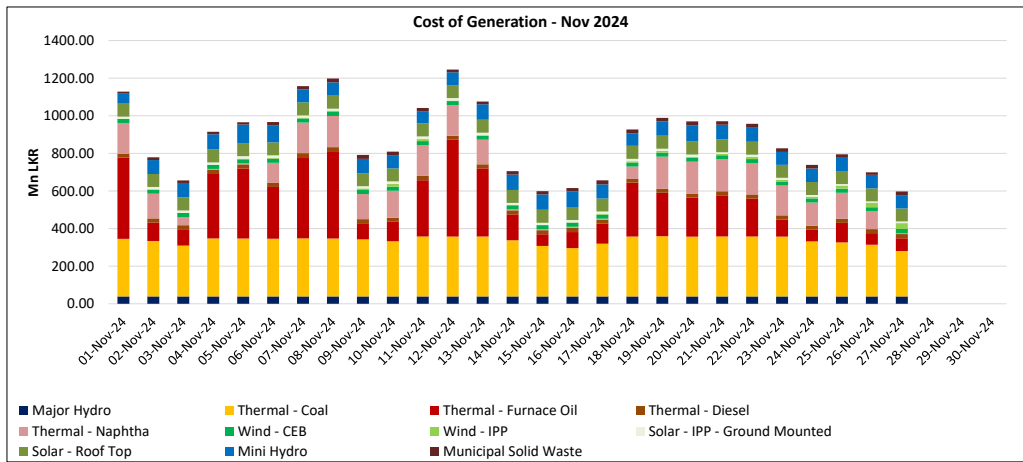
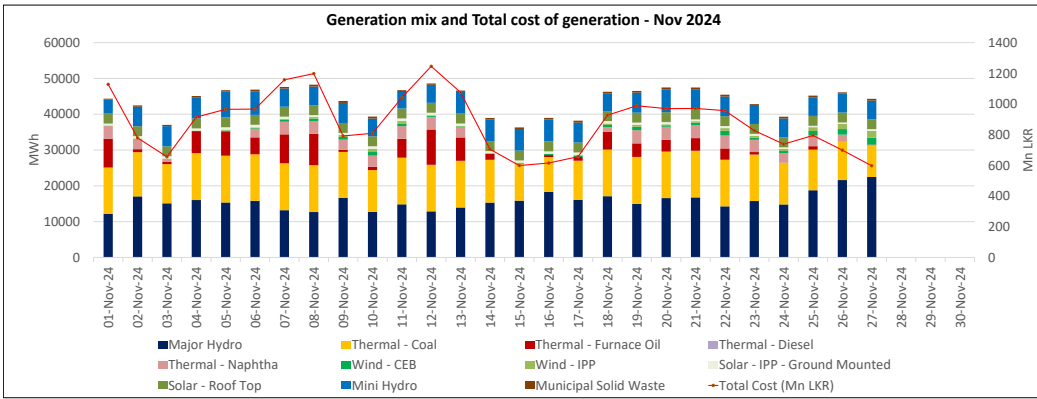
Plant Type	Generation (GWh)	Percentage
Major Hydro	22.5	54%
Thermal - Coal	8.9	22%
Thermal - Furnace Oil	0.1	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.9	5%
Wind - IPP	1.9	5%
BMP	0.5	1.2%
Solar	0.5	1%
Mini Hydro	4.9	12%
<b>Total</b>	<b>41.25</b>	

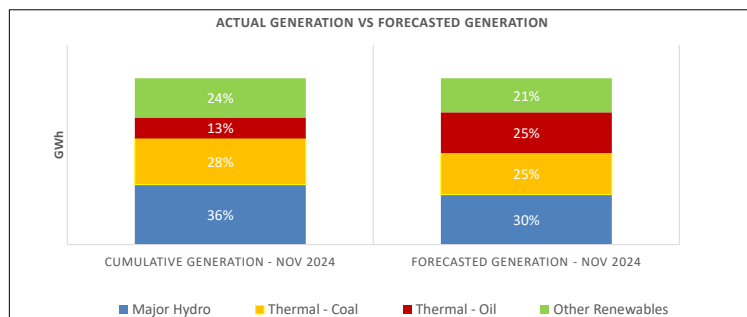
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

529 Mn LKR

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

524 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	427	408
Thermal - Coal	329	338
Thermal - Oil	150	333
Other Renewables	280	278
<b>Total</b>	<b>1187</b>	<b>1357</b>

Forecasted Generation - SDDP Nov 2024

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

Major Hydro	1,055 Mn LKR
Thermal - Coal	8,079 Mn LKR
Thermal - Furnace Oil	5,796 Mn LKR
Thermal - Diesel	584 Mn LKR
Thermal - Naphtha	2,801 Mn LKR
Wind - CEB	582 Mn LKR
Wind - IPP	202 Mn LKR
Solar - IPP - Ground Mounted	313 Mn LKR
Solar - Roof Top	1,864 Mn LKR
Mini Hydro	2,027 Mn LKR
Municipal Solid Waste	476 Mn LKR
<b>Total Generation Cost</b>	<b>23,778 Mn LKR</b>

Generation Energy Cost (Nov) 17,661 Mn LKR

\*Generation Capacity Cost (Nov) 4,919 Mn LKR

Other Cost (Nov) 1,122 Mn LKR

Average Unit Cost of Generation (Nov) 20.03 LKR/kWh

Note -

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