



# Daily Electricity Generation & Cost Estimation Report

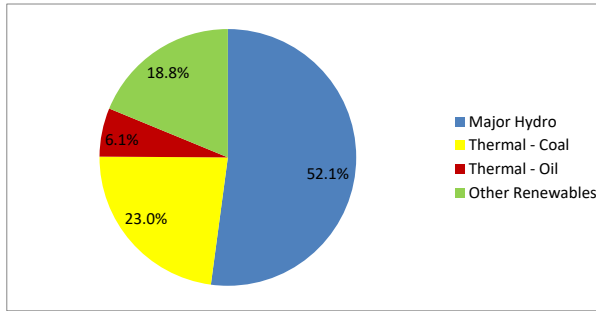
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21st December 2024



**Daily Generation Mix - 21st December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	24.44	52.1%
Thermal - Coal	10.78	23.0%
Thermal - Furnace Oil	2.87	6.1%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.09	0.2%
Wind - IPP	0.05	0.1%
Solar - IPP - Ground Mounted	0.53	1.1%
Solar - Roof Top	2.76	5.9%
Mini Hydro	5.06	10.8%
Municipal Solid Waste	0.32	0.7%
<b>Total</b>	<b>46.89</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 : 21st 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	1.56	1.56
Thermal - Coal	210.4	27.5	45.0	282.9	19.53	2.55	4.18	26.26
Thermal - Furnace Oil	132.0	9.4	51.7	193.1	46.00	3.27	18.01	67.28
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	245.63	245.63
Wind - IPP	0.8	0.0	0.0	0.8	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	10.3	0.0	0.0	10.3	19.28	0.00	0.00	19.28
Solar - Roof Top	68.8	0.0	0.0	68.8	24.92	0.00	0.00	24.92
Mini Hydro	68.1	0.0	0.0	68.1	13.47	0.00	0.00	13.47
Municipal Solid Waste	12.5	0.0	0.0	12.5	39.15	0.00	0.00	39.15
<b>Total</b>	<b>502.9</b>	<b>40.2</b>	<b>178.8</b>	<b>721.9</b>	<b>10.73</b>	<b>0.86</b>	<b>3.81</b>	<b>15.40</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 :

15.40 LKR/kWh

Total Generation Cost for the day:

721.95 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 - 21st Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.8	61%
Thermal - Coal	10.4	25%
Thermal - Furnace Oil	1.1	3%
Thermal - Diesel	0.4	1%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.1	0%
Wind - IPP		
BMP	0.3	1%
Solar	0.5	1%
Mini Hydro	3.8	9%
<b>Total</b>	<b>42.55</b>	

**Actual Generation Mix - 21st Dec 2024 (Excluding generation from non telemetered power plants)**

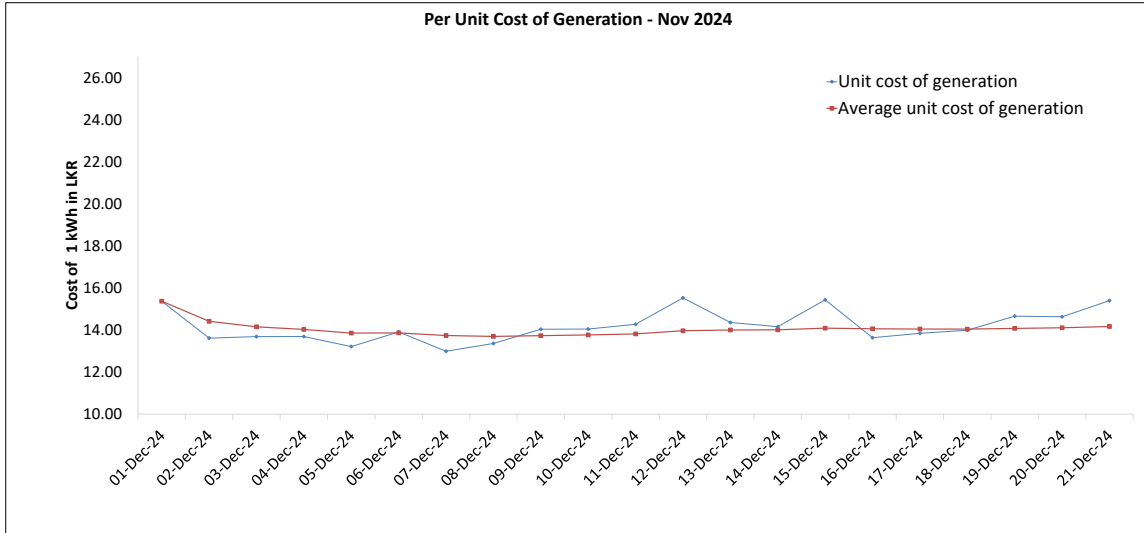
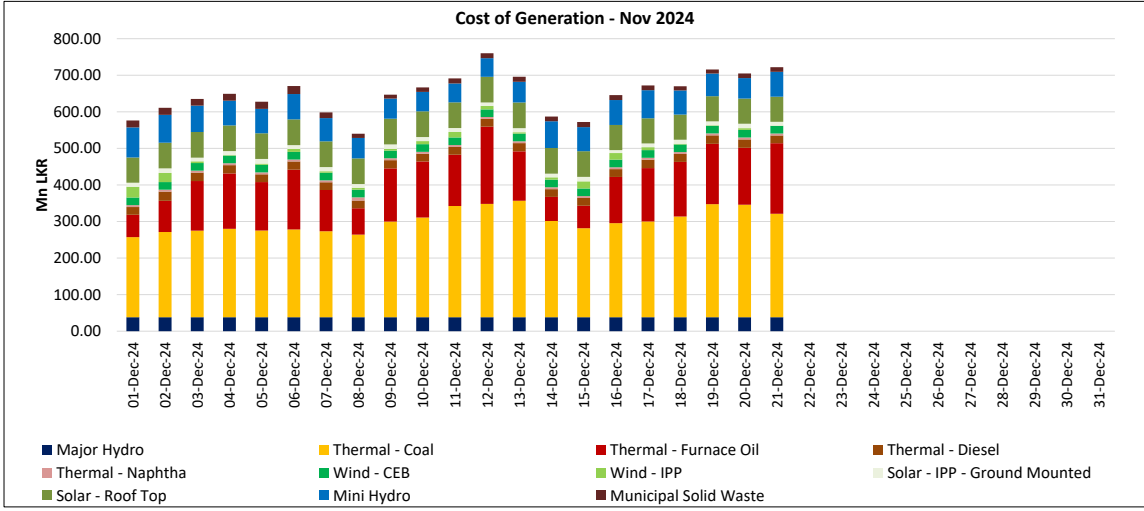
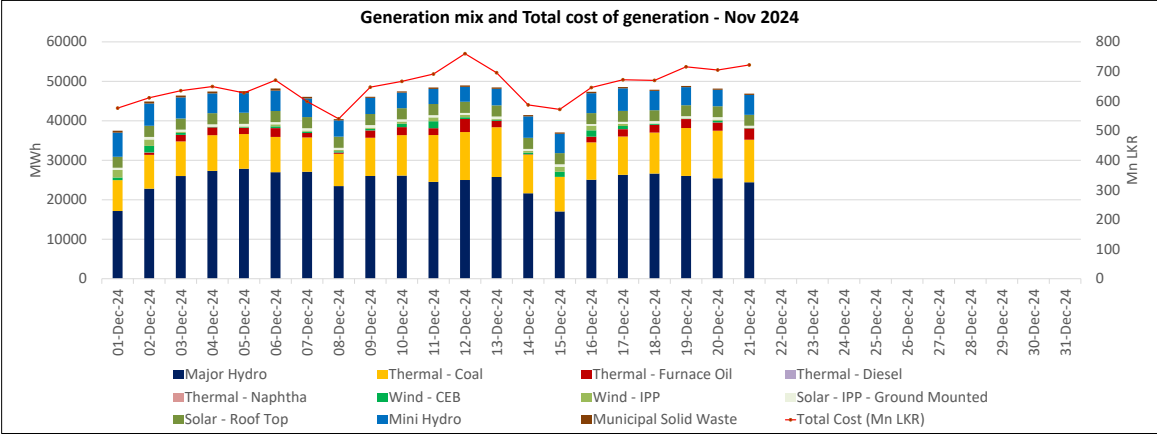
Plant Type	Generation (GWh)	Percentage
Major Hydro	24.4	56%
Thermal - Coal	10.8	25%
Thermal - Furnace Oil	2.9	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.3	0.7%
Solar	0.5	1%
Mini Hydro	4.4	10%
<b>Total</b>	<b>43.46</b>	

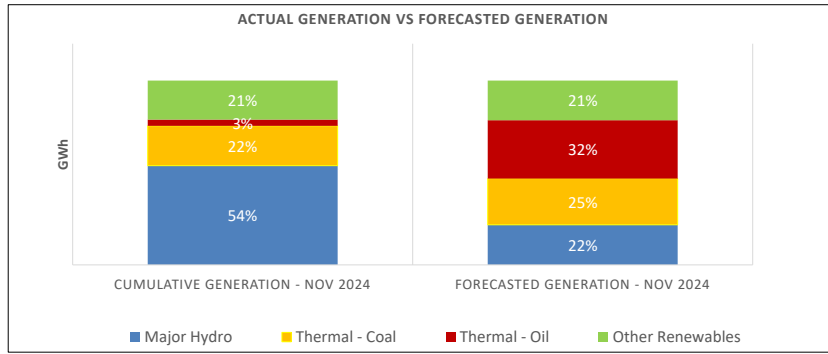
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

592 Mn LKR

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

644 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	519	303
Thermal - Coal	208	350
Thermal - Oil	33	442
Other Renewables	204	300
<b>Total</b>	<b>964</b>	<b>1,394</b>

Forecasted Generation - SDDP Nov 2024

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

Major Hydro	802 Mn LKR
Thermal - Coal	5,537 Mn LKR
Thermal - Furnace Oil	2,763 Mn LKR
Thermal - Diesel	463 Mn LKR
Thermal - Naphtha	112 Mn LKR
Wind - CEB	438 Mn LKR
Wind - IPP	183 Mn LKR
Solar - IPP - Ground Mounted	229 Mn LKR
Solar - Roof Top	1,465 Mn LKR
Mini Hydro	1,357 Mn LKR
Municipal Solid Waste	309 Mn LKR
<b>Total Generation Cost</b>	<b>13,658 Mn LKR</b>

Generation Energy Cost (Nov) 9,059 Mn LKR

\*Generation Capacity Cost (Nov) 3,755 Mn LKR

Other Cost (Nov) 844 Mn LKR

Average Unit Cost of Generation (Nov) 14.17 LKR/kWh

Note -

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