



# Daily Electricity Generation & Cost Estimation Report

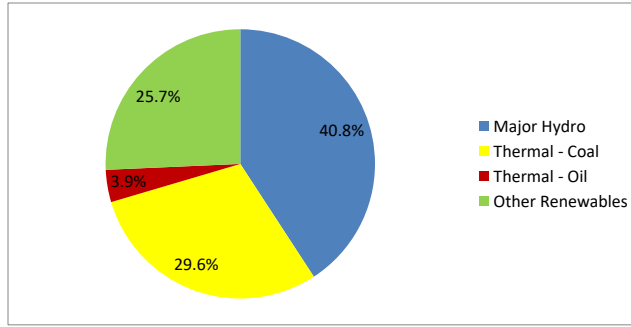
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3rd November 2024



Daily Generation Mix -3rd Nov 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	15.11	40.8%
Thermal - Coal	10.97	29.6%
Thermal - Furnace Oil	0.58	1.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.85	2.3%
Wind - CEB	0.04	0.1%
Wind - IPP	0.07	0.2%
Solar - IPP - Ground Mounted	0.63	1.7%
Solar - Roof Top	2.77	7.5%
Mini Hydro	5.65	15.3%
Municipal Solid Waste	0.35	0.9%
<b>Total</b>	<b>37.03</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 : 3rd 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	2.59	2.59
Thermal - Coal	195.8	28.4	46.3	270.5	17.85	2.59	4.23	24.66
Thermal - Furnace Oil	25.4	9.7	51.9	87.1	43.62	16.62	89.09	149.34
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	38.1	2.0	3.3	43.4	44.74	2.33	3.87	50.94
Wind - CEB	0.0	0.0	21.6	21.6	0.00	0.00	490.02	490.02
Wind - IPP	1.1	0.0	0.0	1.1	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	12.4	0.0	0.0	12.4	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	76.8	0.0	0.0	76.8	13.59	0.00	0.00	13.59
Municipal Solid Waste	13.5	0.0	0.0	13.5	39.00	0.00	0.00	39.00
<b>Total</b>	<b>432.2</b>	<b>41.5</b>	<b>182.2</b>	<b>655.9</b>	<b>11.67</b>	<b>1.12</b>	<b>4.92</b>	<b>17.71</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 : 17.71 LKR/kWh  
 Total Generation Cost for the day: 655.92 Mn LKR

Fuel Prices

( as at 17th Oct 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	43.47
Naphtha	166.00
Auto Diesel	283.00

Scheduled (Day Ahead) Generation Mix - 3rd Nov 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.3	40%
Thermal - Coal	12.6	36%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	2.8	8%
Wind - CEB	0.1	0%
Wind - IPP		
BMP	0.3	0%
Solar	0.2	1%
Mini Hydro	5.0	14%
<b>Total</b>	<b>35.29</b>	

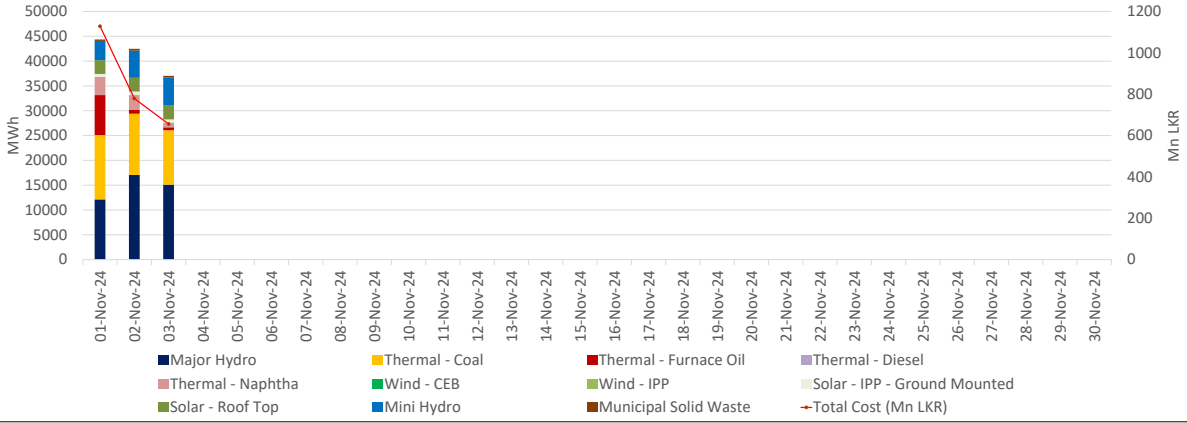
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 660 Mn LKR

Actual Generation Mix - 3rd Nov 2024 (Excluding generation from non telemetered power plants)

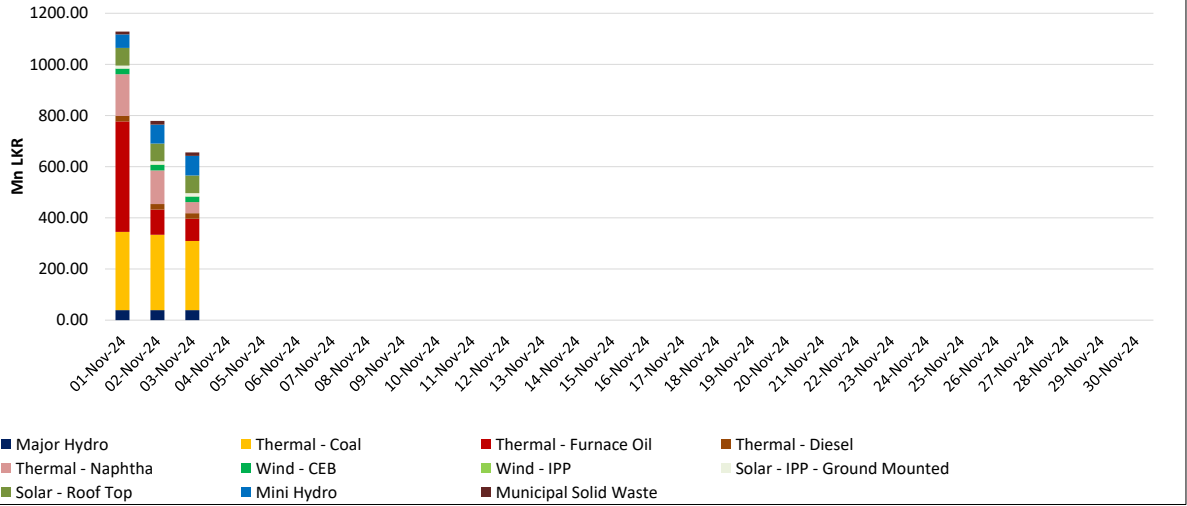
Plant Type	Generation (GWh)	Percentage
Major Hydro	15.1	45%
Thermal - Coal	11.0	32%
Thermal - Furnace Oil	0.6	2%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.9	3%
Wind - CEB	0.0	0%
Wind - IPP	0.1	0%
BMP	0.3	1.0%
Solar	0.6	2%
Mini Hydro	5.3	16%
<b>Total</b>	<b>33.94</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 583 Mn LKR

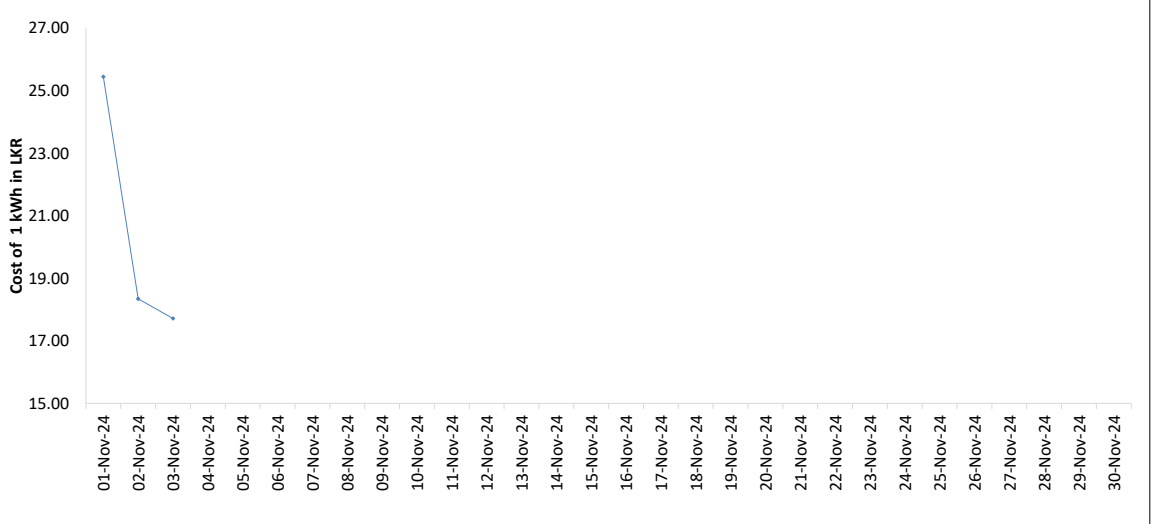
**Generation mix and Total cost of generation - Nov 2024**

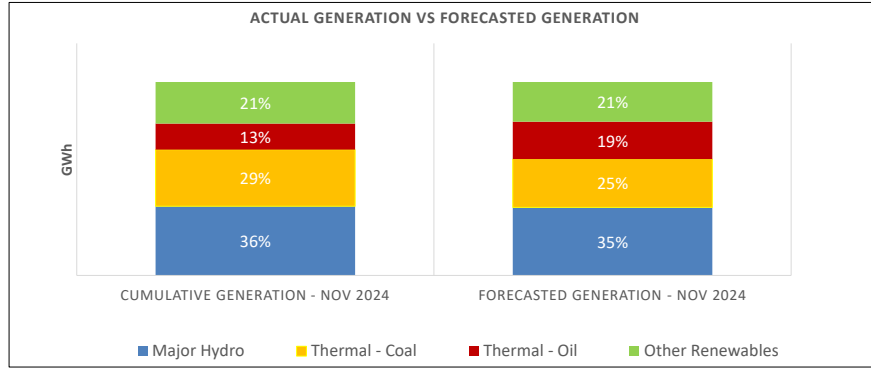


**Cost of Generation - Nov 2024**



**Per Unit Cost of Generation - Nov 2024**





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	44	478
Thermal - Coal	36	338
Thermal - Oil	17	263
Other Renewables	27	278
<b>Total</b>	<b>124</b>	<b>1357</b>

Forecasted Generation - SDDP Oct 2024

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

Major Hydro	117 Mn LKR
Thermal - Coal	872 Mn LKR
Thermal - Furnace Oil	618 Mn LKR
Thermal - Diesel	64 Mn LKR
Thermal - Naphtha	338 Mn LKR
Wind - CEB	65 Mn LKR
Wind - IPP	4 Mn LKR
Solar - IPP - Ground Mounted	36 Mn LKR
Solar - Roof Top	207 Mn LKR
Mini Hydro	204 Mn LKR
Municipal Solid Waste	39 Mn LKR
<b>Total Generation Cost</b>	<b>2,563 Mn LKR</b>

Generation Energy Cost (Nov)	1,892 Mn LKR
*Generation Capacity Cost (Nov)	547 Mn LKR
Other Cost (Nov)	125 Mn LKR
<b>Average Unit Cost of Generation (Nov)</b>	<b>20.70 LKR/kWh</b>

Note -

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