



# Daily Electricity Generation & Cost Estimation Report

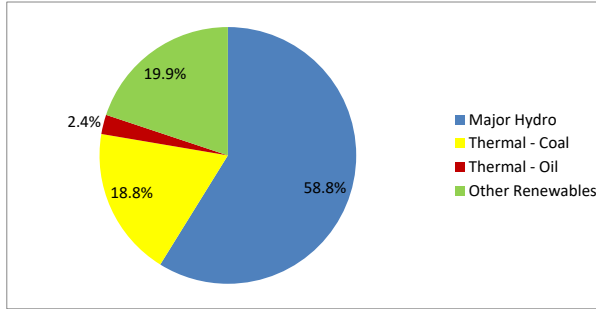
---

07th December 2024



**Daily Generation Mix - 07th December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	27.10	58.8%
Thermal - Coal	8.68	18.8%
Thermal - Furnace Oil	1.13	2.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.36	0.8%
Wind - IPP	0.27	0.6%
Solar - IPP - Ground Mounted	0.59	1.3%
Solar - Roof Top	2.82	6.1%
Mini Hydro	4.72	10.2%
Municipal Solid Waste	0.40	0.9%
<b>Total</b>	<b>46.07</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 : 07th 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	1.41	1.41
Thermal - Coal	162.7	27.5	45.0	235.2	18.74	3.16	5.19	27.09
Thermal - Furnace Oil	51.7	9.4	51.7	112.8	45.92	8.33	45.89	100.15
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	57.68	57.68
Wind - IPP	4.1	0.0	0.0	4.1	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	11.4	0.0	0.0	11.4	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	63.6	0.0	0.0	63.6	13.47	0.00	0.00	13.47
Municipal Solid Waste	15.7	0.0	0.0	15.7	39.15	0.00	0.00	39.15
<b>Total</b>	<b>379.4</b>	<b>40.2</b>	<b>178.8</b>	<b>598.5</b>	<b>8.24</b>	<b>0.87</b>	<b>3.88</b>	<b>12.99</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 : **12.99 LKR/kWh**  
Total Generation Cost for the day: **598.45 Mn LKR**

**Fuel Prices**  
(as at 1st Dec 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	45.65
Naphtha	166.00
Auto Diesel	286.00

**Scheduled (Day Ahead) Generation Mix - 07th Dec 2024 (Excluding generation from non telemetered power plants)**

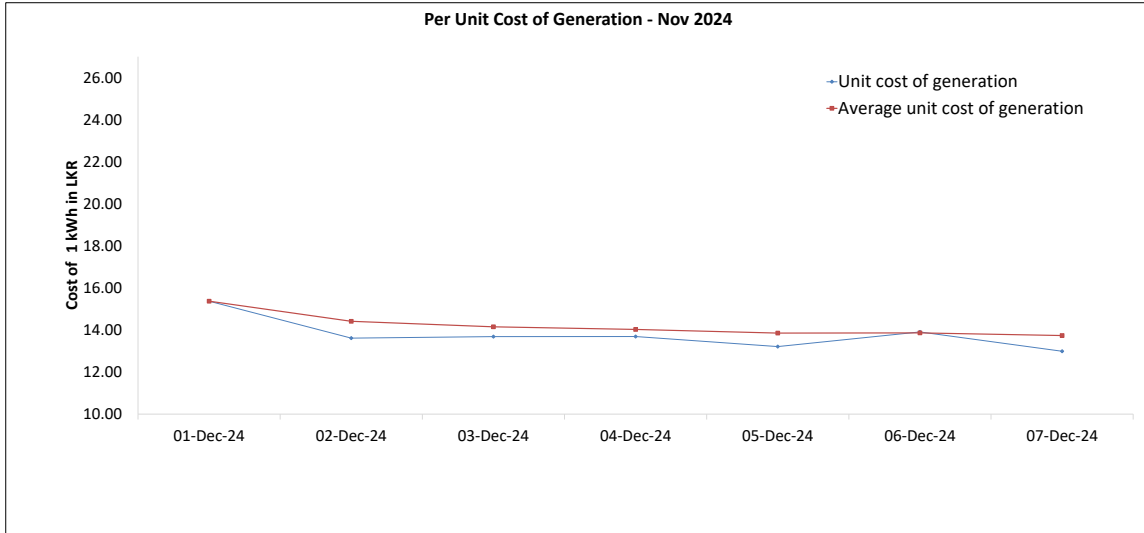
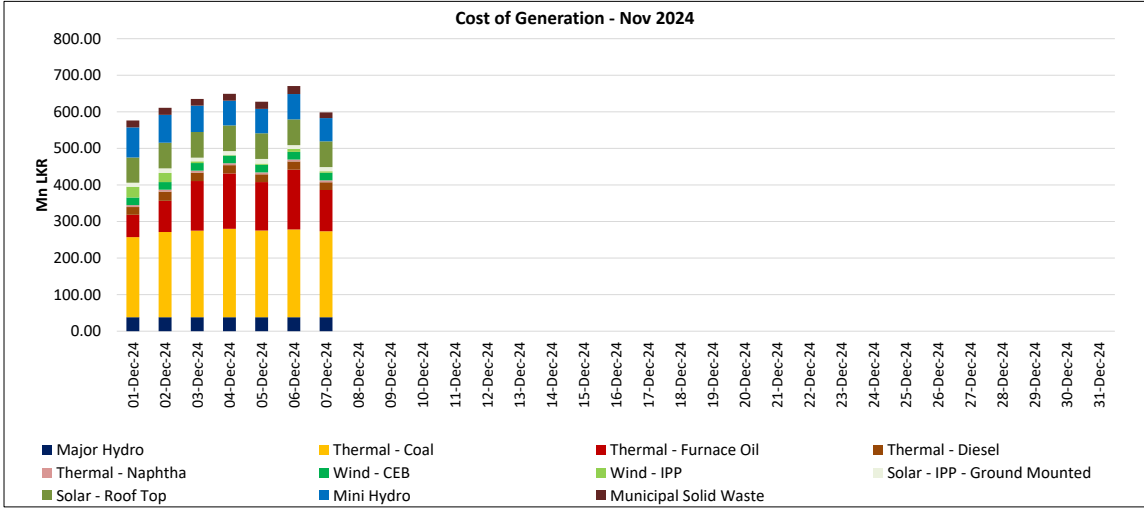
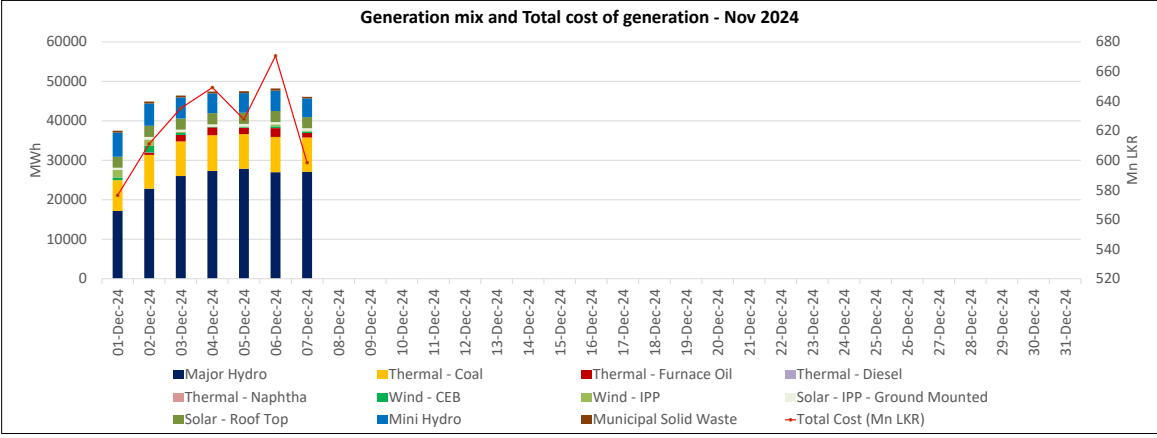
Plant Type	Generation (GWh)	Percentage
Major Hydro	24.3	60%
Thermal - Coal	9.2	23%
Thermal - Furnace Oil	0.5	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.1	0%
Wind - CEB		
Wind - IPP	0.4	1%
BMP	0.5	1%
Solar	0.5	1%
Mini Hydro	4.7	12%
<b>Total</b>	<b>40.23</b>	

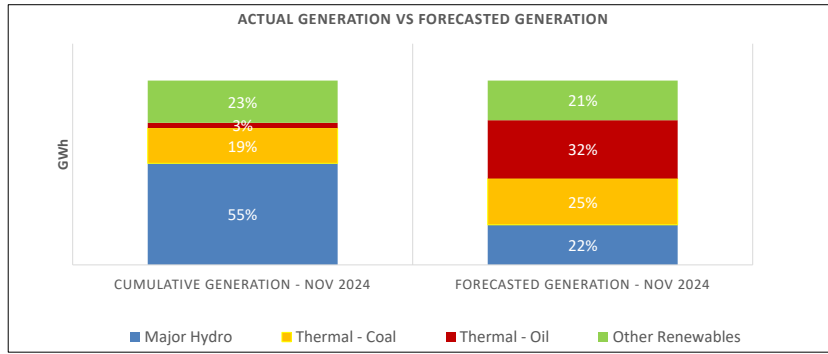
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **514 Mn LKR**

**Actual Generation Mix - 07th Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	27.1	64%
Thermal - Coal	8.7	20%
Thermal - Furnace Oil	1.1	3%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	0.4	1%
Wind - IPP	0.3	1%
BMP	0.4	0.9%
Solar	0.6	1%
Mini Hydro	4.1	10%
<b>Total</b>	<b>42.62</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **520 Mn LKR**





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	175	303
Thermal - Coal	61	350
Thermal - Oil	9	442
Other Renewables	73	300
<b>Total</b>	<b>318</b>	<b>1394</b>

Forecasted Generation - SDDP Nov 2024

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

Major Hydro	267 Mn LKR
Thermal - Coal	1,643 Mn LKR
Thermal - Furnace Oil	842 Mn LKR
Thermal - Diesel	157 Mn LKR
Thermal - Naphtha	36 Mn LKR
Wind - CEB	146 Mn LKR
Wind - IPP	76 Mn LKR
Solar - IPP - Ground Mounted	80 Mn LKR
Solar - Roof Top	491 Mn LKR
Mini Hydro	498 Mn LKR
Municipal Solid Waste	132 Mn LKR
<b>Total Generation Cost</b>	<b>4,368 Mn LKR</b>

Generation Energy Cost (Nov) 2,835 Mn LKR

\*Generation Capacity Cost (Nov) 1,252 Mn LKR

Other Cost (Nov) 281 Mn LKR

Average Unit Cost of Generation (Nov) 13.74 LKR/kWh

Note -

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