



# Daily Electricity Generation & Cost Estimation Report

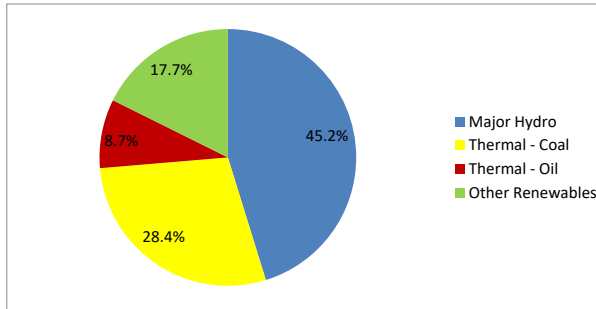
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23rd December 2024



**Daily Generation Mix - 23rd December 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	20.64	45.2%
Thermal - Coal	12.98	28.4%
Thermal - Furnace Oil	2.02	4.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	1.95	4.3%
Wind - CEB	0.14	0.3%
Wind - IPP	0.11	0.2%
Solar - IPP - Ground Mounted	0.68	1.5%
Solar - Roof Top	2.76	6.0%
Mini Hydro	4.07	8.9%
Municipal Solid Waste	0.30	0.6%
<b>Total</b>	<b>45.65</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 : 23rd 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	1.85	1.85
Thermal - Coal	253.6	27.5	45.0	326.1	19.53	2.11	3.47	25.11
Thermal - Furnace Oil	90.2	9.4	51.7	151.2	44.69	4.65	25.61	74.95
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	87.1	1.9	3.3	92.2	44.74	0.99	1.68	47.40
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	146.00	146.00
Wind - IPP	1.7	0.0	0.0	1.7	15.32	0.00	0.00	15.32
Solar - IPP - Ground Mounted	13.1	0.0	0.0	13.1	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	54.8	0.0	0.0	54.8	13.47	0.00	0.00	13.47
Municipal Solid Waste	11.5	0.0	0.0	11.5	39.15	0.00	0.00	39.15
<b>Total</b>	<b>580.8</b>	<b>40.2</b>	<b>178.8</b>	<b>799.8</b>	<b>12.72</b>	<b>0.88</b>	<b>3.92</b>	<b>17.52</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 :

17.52 LKR/kWh

Total Generation Cost for the day:

799.82 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 - 23rd Dec 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	21.7	51%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	1.2	3%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	1.4	3%
Wind - CEB		
Wind - IPP	0.2	0%
BMP	0.3	1%
Solar	0.3	1%
Mini Hydro	4.5	10%
<b>Total</b>	<b>42.63</b>	

**Actual Generation Mix - 23rd Dec 2024 (Excluding generation from non telemetered power plants)**

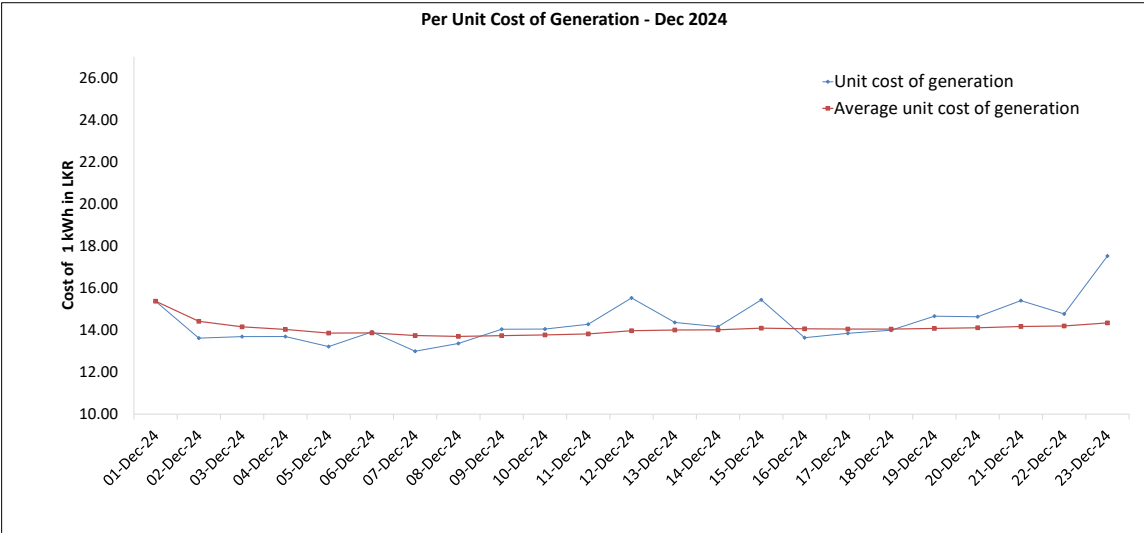
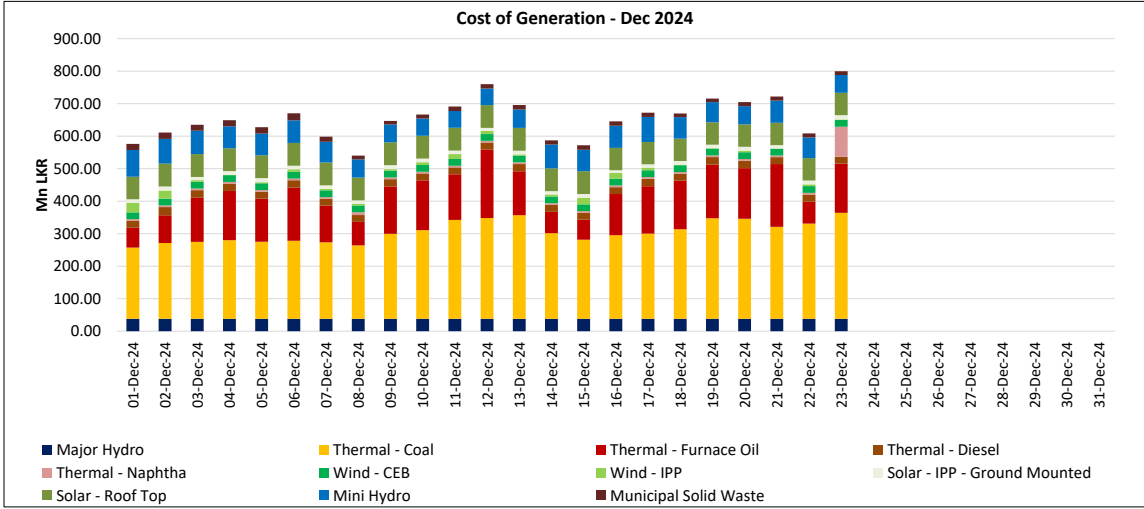
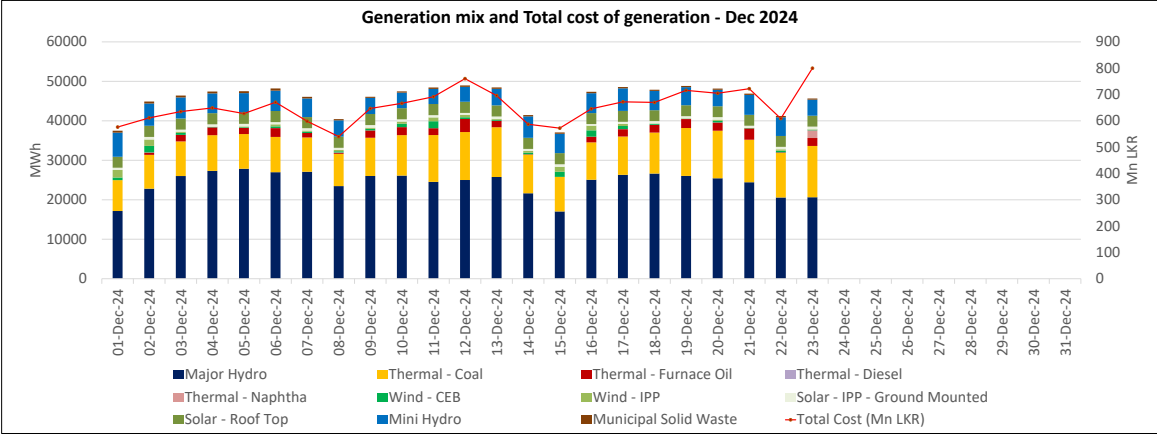
Plant Type	Generation (GWh)	Percentage
Major Hydro	20.6	48%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	2.0	5%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	1.9	5%
Wind - CEB	0.1	0%
Wind - IPP	0.1	0%
BMP	0.3	0.7%
Solar	0.7	2%
Mini Hydro	3.8	9%
<b>Total</b>	<b>42.66</b>	

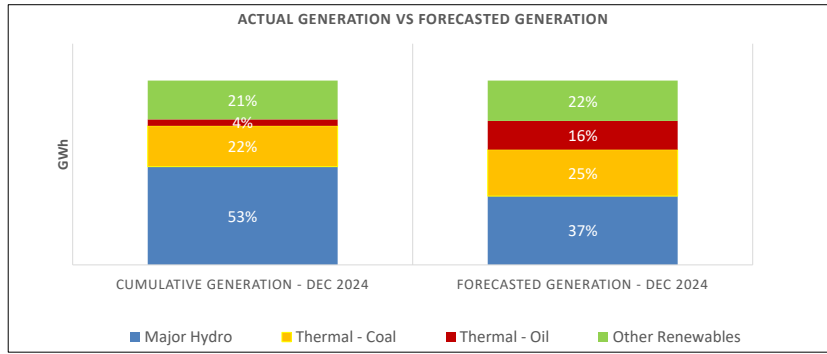
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants)

670 Mn LKR

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

728 Mn LKR





	Cumulative Generation - Dec 2024 [GWh]	Forecasted Generation - Dec 2024 [GWh]
Major Hydro	560	520
Thermal - Coal	233	351
Thermal - Oil	37	218
Other Renewables	221	305
<b>Total</b>	<b>1,051</b>	<b>1,394</b>

Forecasted Generation - SDDP Dec 2024

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

Major Hydro	879	Mn LKR
Thermal - Coal	6,156	Mn LKR
Thermal - Furnace Oil	2,981	Mn LKR
Thermal - Diesel	506	Mn LKR
Thermal - Naphtha	210	Mn LKR
Wind - CEB	480	Mn LKR
Wind - IPP	190	Mn LKR
Solar - IPP - Ground Mounted	254	Mn LKR
Solar - Roof Top	1,603	Mn LKR
Mini Hydro	1,476	Mn LKR
Municipal Solid Waste	333	Mn LKR
<b>Total Generation Cost</b>	<b>15,067</b>	<b>Mn LKR</b>

Generation Energy Cost (Dec) 10,029 Mn LKR

\*Generation Capacity Cost (Dec) 4,113 Mn LKR

Other Cost (Dec) 925 Mn LKR

Average Unit Cost of Generation (Dec) 14.34 LKR/kWh

Note -

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