



# Daily Electricity Generation & Cost Estimation Report

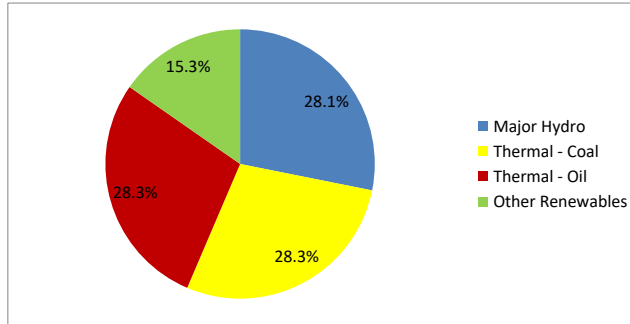
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10th October 2024



**Daily Generation Mix -10th Oct 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.08	28.1%
Thermal - Coal	13.14	28.3%
Thermal - Furnace Oil	9.67	20.8%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.46	7.4%
Wind - CEB	0.60	1.3%
Wind - IPP	0.61	1.3%
Solar - IPP - Ground Mounted	0.64	1.4%
Solar - Roof Top	2.42	5.2%
Mini Hydro	2.68	5.8%
Municipal Solid Waste	0.17	0.4%
<b>Total</b>	<b>46.48</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 : 10th Oct 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	37.6	37.6	0.00	0.00	2.87	2.87
Thermal - Coal	238.5	27.5	44.5	310.5	18.15	2.09	3.39	23.62
Thermal - Furnace Oil	437.2	9.4	50.3	496.9	45.20	0.97	5.20	51.37
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	178.3	1.9	3.2	183.4	51.52	0.55	0.92	53.00
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	34.76	34.76
Wind - IPP	9.9	0.0	0.0	9.9	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	12.5	0.0	0.0	12.5	19.50	0.00	0.00	19.50
Solar - Roof Top	60.3	0.0	0.0	60.3	24.92	0.00	0.00	24.92
Mini Hydro	39.2	0.0	0.0	39.2	14.61	0.00	0.00	14.61
Municipal Solid Waste	6.6	0.0	0.0	6.6	39.30	0.00	0.00	39.30
<b>Total</b>	<b>982.4</b>	<b>40.2</b>	<b>176.2</b>	<b>1198.8</b>	<b>21.14</b>	<b>0.86</b>	<b>3.79</b>	<b>25.79</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 : **25.79 LKR/kWh**  
 Total Generation Cost for the day : **1198.82 Mn LKR**

**Fuel Prices**

( as at 1st Oct 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	191.00
Coal	44.20
Naphtha	191.16
Auto Diesel	283.00

**Scheduled (Day Ahead) Generation Mix - 10th Oct 2024 (Excluding generation from non telemetered power plants)**

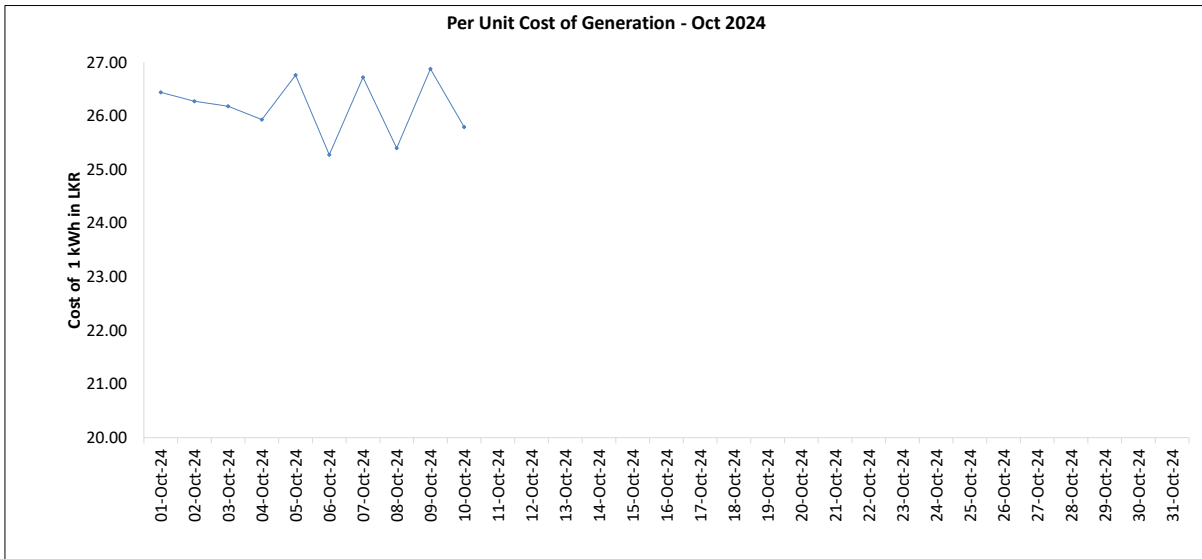
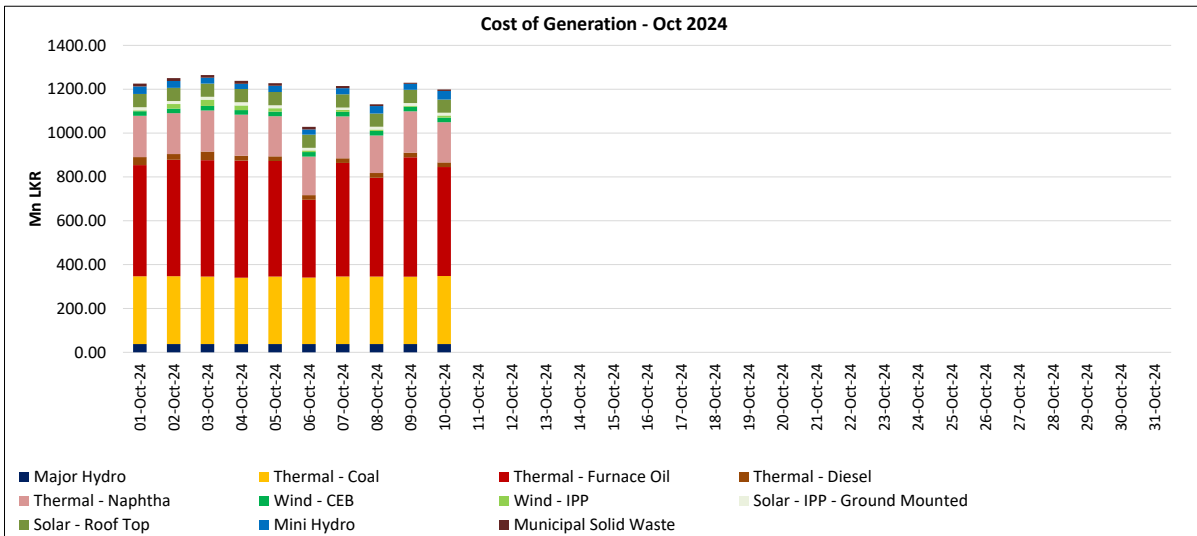
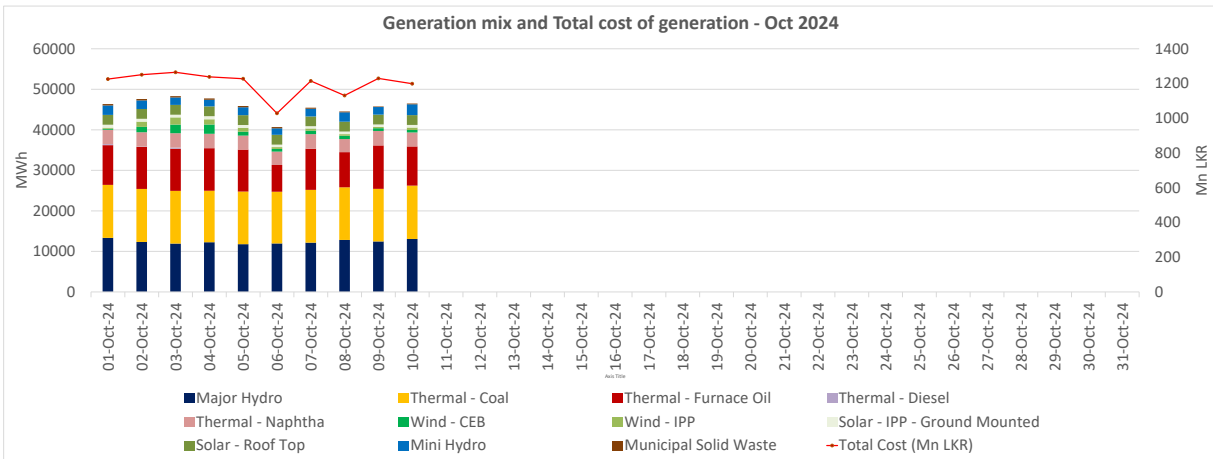
Plant Type	Generation (GWh)	Percentage
Major Hydro	12.8	29%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	10.8	25%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB		
Wind - IPP	0.9	2%
BMP	0.2	1%
Solar	0.3	1%
Mini Hydro	2.2	5%
<b>Total</b>	<b>43.79</b>	

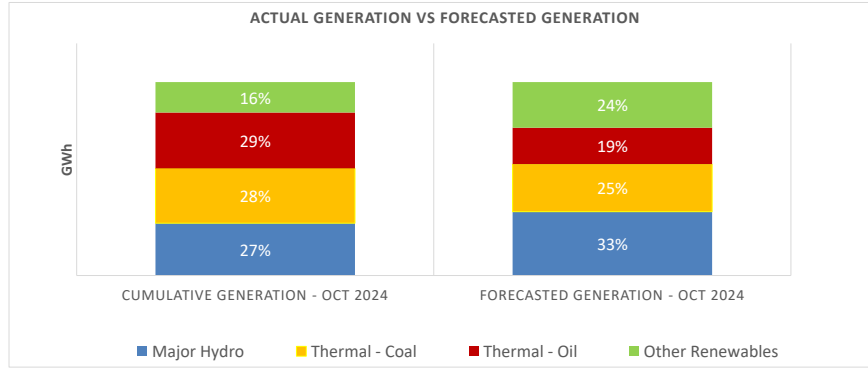
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1174.97 Mn LKR**

**Actual Generation Mix - 10th Oct 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.1	30%
Thermal - Coal	13.1	30%
Thermal - Furnace Oil	9.7	22%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	3.5	8%
Wind - CEB	0.6	1%
Wind - IPP	0.6	1%
BMP	0.2	0.4%
Solar	0.6	1%
Mini Hydro	2.5	6%
<b>Total</b>	<b>43.91</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1133.28 Mn LKR**





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	124	470
Thermal - Coal	130	350
Thermal - Oil	133	269
Other Renewables	72	336
<b>Total</b>	<b>459</b>	<b>1425</b>

Forecasted Generation - SDDP Oct 2024

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

Major Hydro	375.90 Mn LKR
Thermal - Coal	3074.81 Mn LKR
Thermal - Furnace Oil	4995.70 Mn LKR
Thermal - Diesel	251.24 Mn LKR
Thermal - Naphtha	1842.31 Mn LKR
Wind - CEB	208.54 Mn LKR
Wind - IPP	127.43 Mn LKR
Solar - IPP - Ground Mounted	129.62 Mn LKR
Solar - Roof Top	603.01 Mn LKR
Mini Hydro	296.58 Mn LKR
Municipal Solid Waste	104.33 Mn LKR
<b>Total Generation Cost</b>	<b>12,009.47 Mn LKR</b>

Generation Energy Cost (Oct) 9,845.44 Mn LKR

\*Generation Capacity Cost (Oct) 1,762.02 Mn LKR

Other Cost (Oct) 402.01 Mn LKR

Average Unit Cost of Generation (Oct) 26.18 LKR/kWh

Note -

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