



# Daily Electricity Generation & Cost Estimation Report

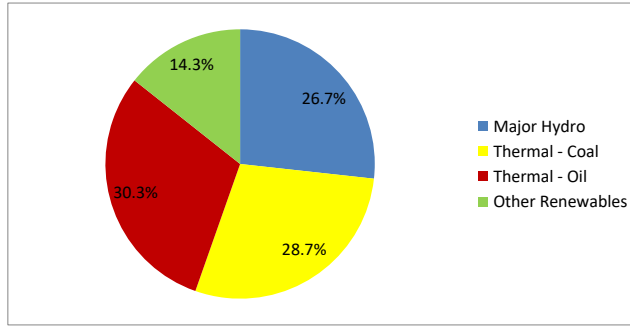
---

7th October 2024



Daily Generation Mix -7th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.16	26.7%
Thermal - Coal	13.03	28.7%
Thermal - Furnace Oil	10.15	22.3%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.61	7.9%
Wind - CEB	0.83	1.8%
Wind - IPP	0.55	1.2%
Solar - IPP - Ground Mounted	0.56	1.2%
Solar - Roof Top	2.42	5.3%
Mini Hydro	1.90	4.2%
Municipal Solid Waste	0.26	0.6%
<b>Total</b>	<b>45.47</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 : 7th 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	3.09	3.09
Thermal - Coal	236.4	27.5	44.5	308.4	18.15	2.11	3.42	23.67
Thermal - Furnace Oil	458.2	9.4	50.3	517.8	45.13	0.92	4.95	51.00
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	185.8	1.9	3.2	190.9	51.52	0.53	0.89	52.94
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	25.07	25.07
Wind - IPP	8.9	0.0	0.0	8.9	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	10.9	0.0	0.0	10.9	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	27.7	0.0	0.0	27.7	14.61	0.00	0.00	14.61
Municipal Solid Waste	10.1	0.0	0.0	10.1	39.30	0.00	0.00	39.30
<b>Total</b>	<b>998.3</b>	<b>40.2</b>	<b>176.2</b>	<b>1214.8</b>	<b>21.96</b>	<b>0.88</b>	<b>3.88</b>	<b>26.72</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 : **26.72 LKR/kWh**  
 Total Generation Cost for the day: **1214.75 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 - 7th Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.3	28%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	10.8	25%
Thermal - Diesel	1.5	3%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.0	2%
Wind - IPP	0.4	1%
Solar	1.4	3%
Mini Hydro	1.4	3%
<b>Total</b>	<b>43.88</b>	

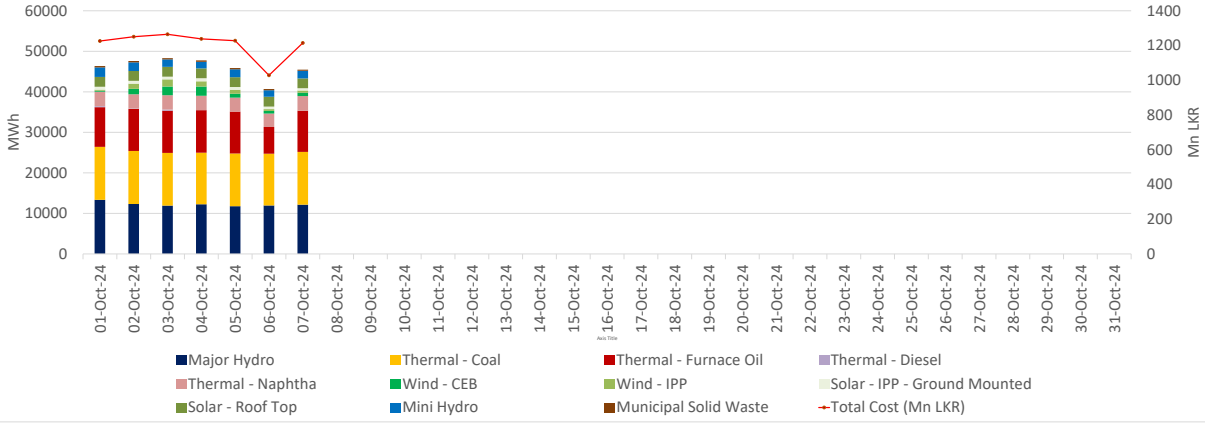
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1316.61 Mn LKR**

Actual Generation Mix - 7th Oct 2024 (Excluding generation from non telemetered power plants)

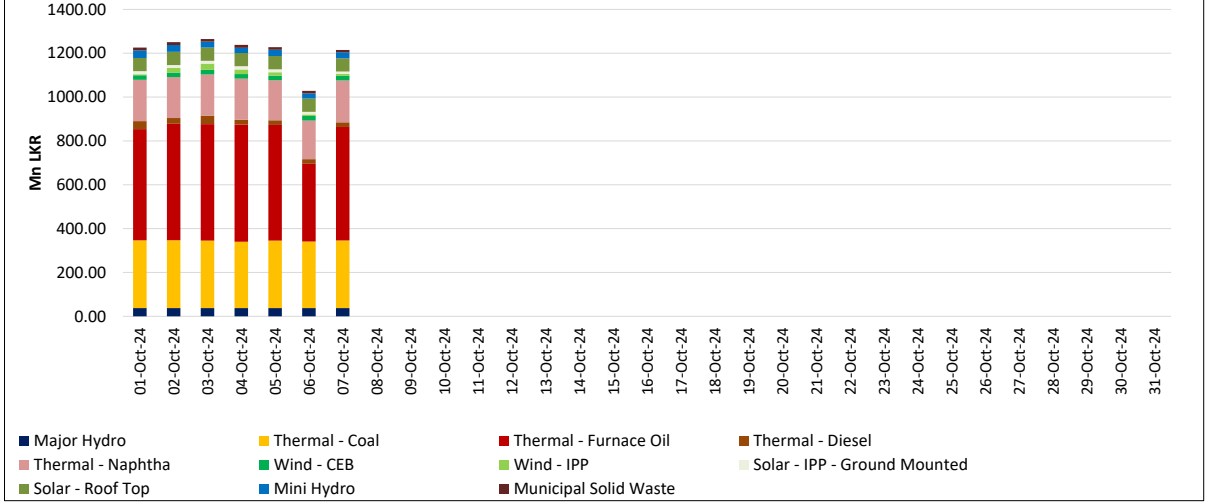
Plant Type	Generation (GWh)	Percentage
Major Hydro	12.2	28%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	10.2	24%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.8	2%
Wind - IPP	0.6	1%
Solar	0.6	1%
Mini Hydro	1.8	4%
<b>Total</b>	<b>42.68</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1139.77 Mn LKR**

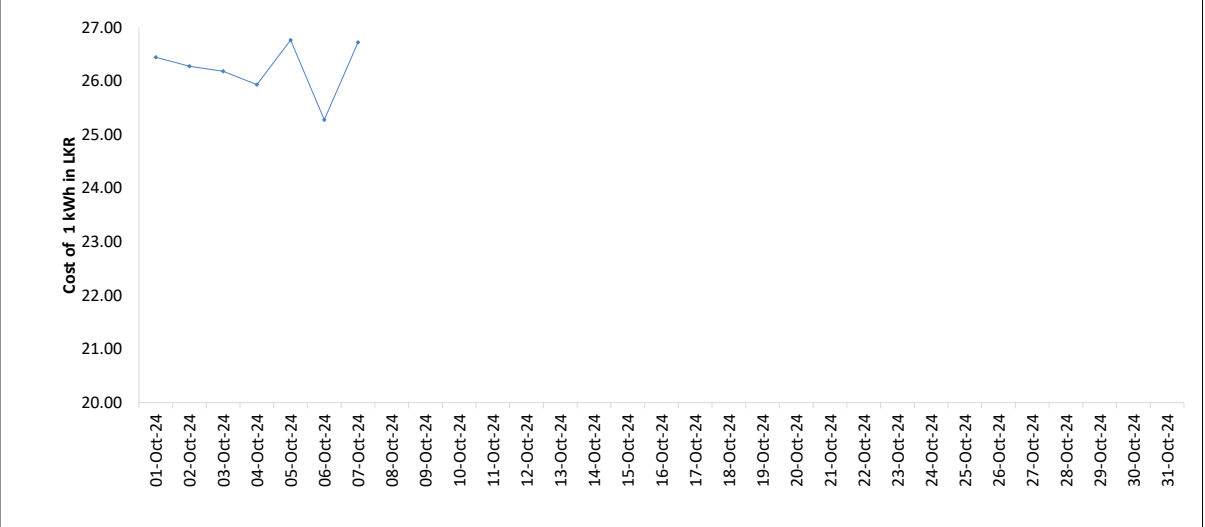
Generation mix and Total cost of generation - Oct 2024

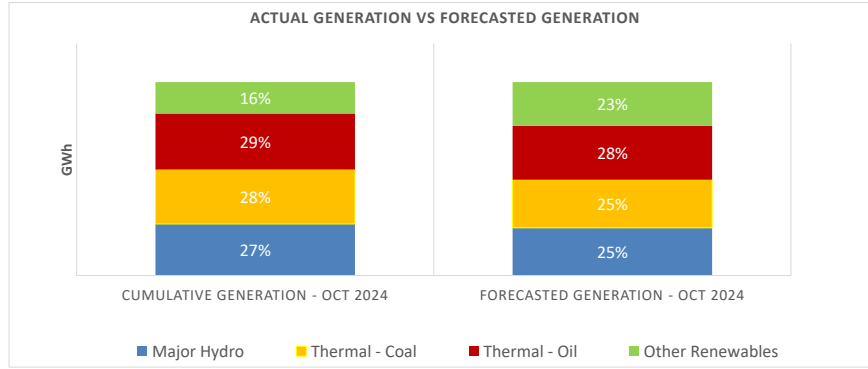


Cost of Generation - Oct 2024



Per Unit Cost of Generation - Oct 2024





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	86	347
Thermal - Coal	91	350
Thermal - Oil	93	393
Other Renewables	52	317
<b>Total</b>	<b>322</b>	<b>1407</b>

Forecasted Generation - SDDP Sept 2024

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

Major Hydro	263.13 Mn LKR
Thermal - Coal	2148.96 Mn LKR
Thermal - Furnace Oil	3503.21 Mn LKR
Thermal - Diesel	187.61 Mn LKR
Thermal - Naphtha	1299.27 Mn LKR
Wind - CEB	145.98 Mn LKR
Wind - IPP	106.39 Mn LKR
Solar - IPP - Ground Mounted	92.18 Mn LKR
Solar - Roof Top	422.11 Mn LKR
Mini Hydro	195.92 Mn LKR
Municipal Solid Waste	85.20 Mn LKR
<b>Total Generation Cost</b>	<b>8,449.95 Mn LKR</b>

Generation Energy Cost (Oct) 6,935.13 Mn LKR

\*Generation Capacity Cost (Oct) 1,233.42 Mn LKR

Other Cost (Oct) 281.41 Mn LKR

Average Unit Cost of Generation (Oct) 26.24 LKR/kWh

Note -

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