



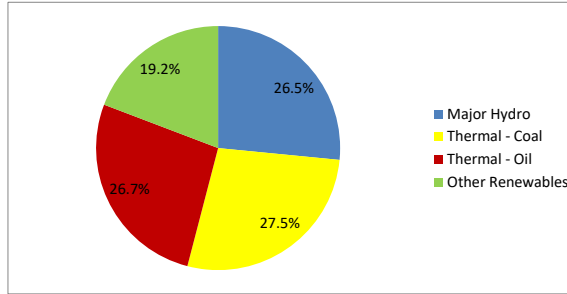
Daily Electricity Generation & Cost Estimation Report

29th October 2024



Daily Generation Mix -29th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.57	26.5%
Thermal - Coal	13.02	27.5%
Thermal - Furnace Oil	9.09	19.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.56	7.5%
Wind - CEB	1.13	2.4%
Wind - IPP	0.80	1.7%
Solar - IPP - Ground Mounted	0.73	1.5%
Solar - Roof Top	2.42	5.1%
Mini Hydro	3.81	8.1%
Municipal Solid Waste	0.20	0.4%
Total	47.34	



Note - Estimated generation from roof top solar, non-telemetered solar and mini hydro plants has been included in the above figures

Estimated Generation Cost : 29th 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	2.99	2.99
Thermal - Coal	232.4	27.5	44.5	304.4	17.85	2.11	3.42	23.37
Thermal - Furnace Oil	418.2	9.4	50.3	477.8	46.00	1.03	5.53	52.56
Thermal - Diesel	0.1	1.5	19.8	21.3	73.59	1452.10	19756.77	21282.46
Thermal - Naphtha	159.3	1.9	3.2	164.4	44.74	0.54	0.90	46.17
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	18.39	18.39
Wind - IPP	13.0	0.0	0.0	13.0	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	14.3	0.0	0.0	14.3	19.58	0.00	0.00	19.58
Solar - Roof Top	60.3	0.0	0.0	60.3	24.92	0.00	0.00	24.92
Mini Hydro	51.8	0.0	0.0	51.8	13.59	0.00	0.00	13.59
Municipal Solid Waste	7.7	0.0	0.0	7.7	39.00	0.00	0.00	39.00
Total	957.0	40.2	176.2	1,173.4	20.22	0.85	3.72	24.79

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 : **24.79 LKR/kWh**
 Total Generation Cost for the day: **1173.43 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 - 29th Oct 2024 (Excluding generation from non telemetered power plants)

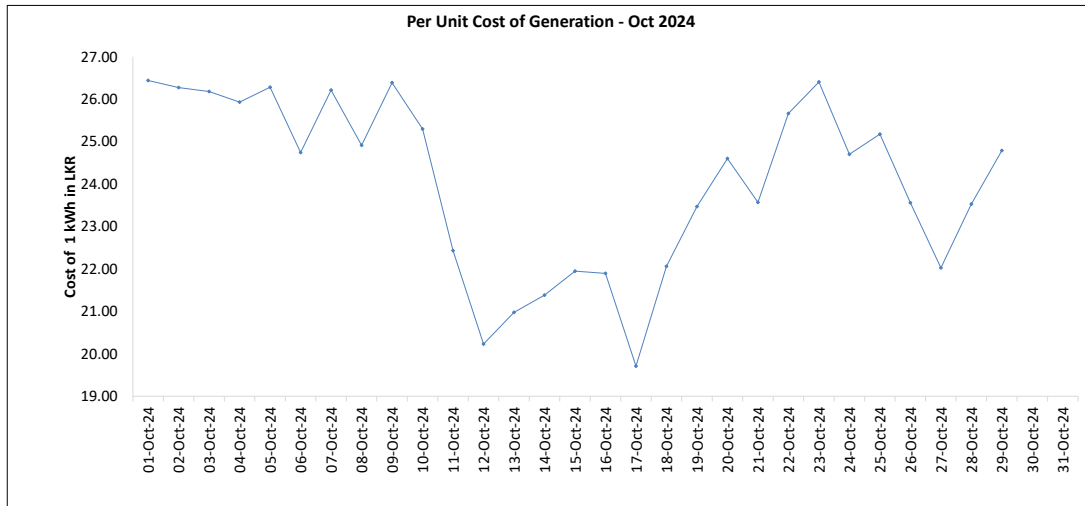
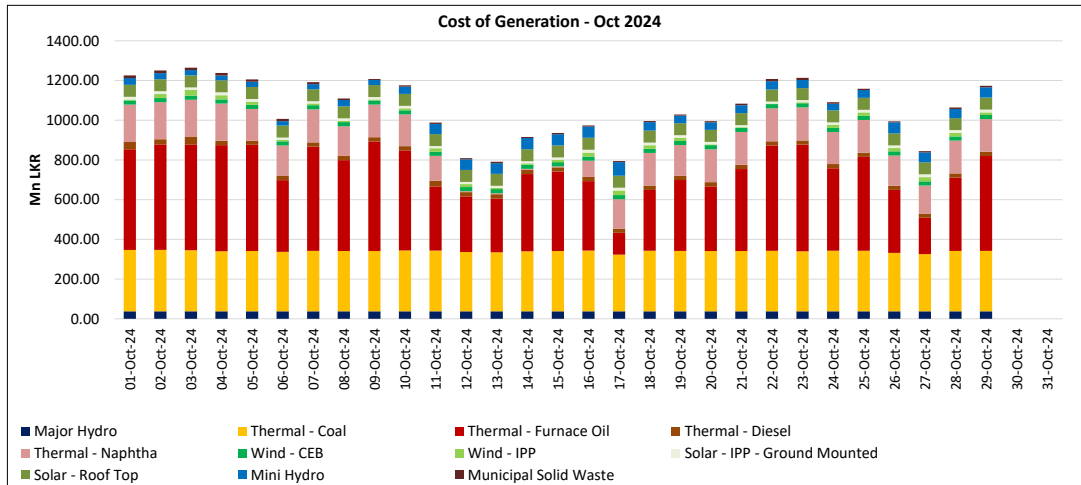
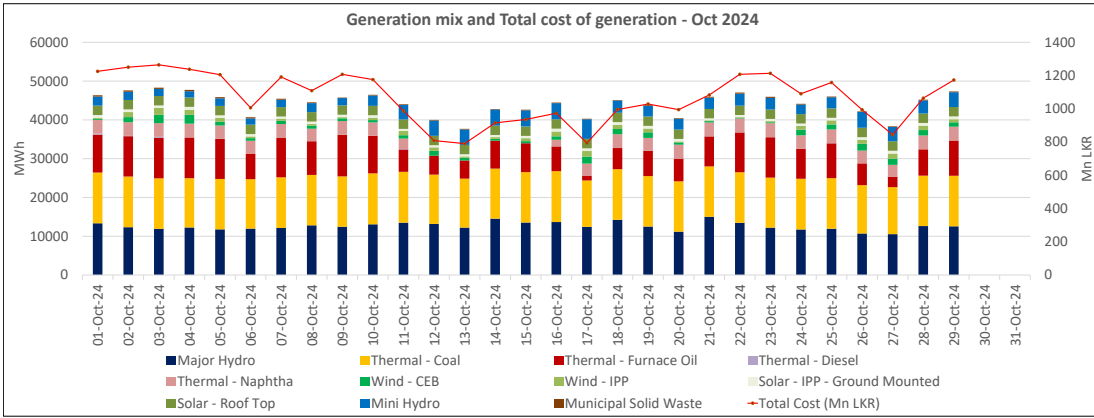
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.9	27%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	9.6	22%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB		
Wind - IPP	1.0	2%
BMP	0.1	1%
Solar	0.6	1%
Mini Hydro	4.3	10%
Total	43.94	

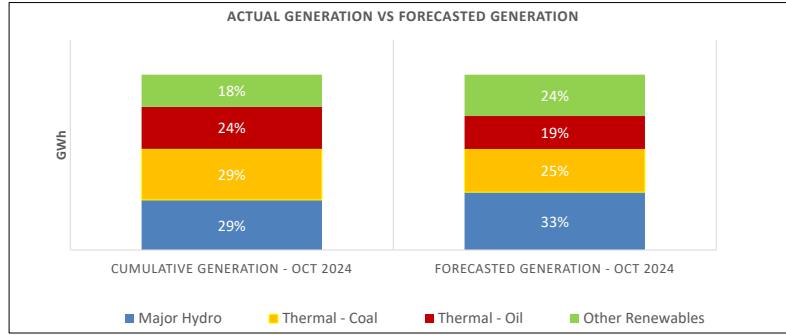
Actual Generation Mix - 29th Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.6	28%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	9.1	21%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.1	3%
Wind - IPP	0.8	2%
BMP	0.2	0.4%
Solar	0.7	2%
Mini Hydro	3.0	7%
Total	44.14	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1,129 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1,102 Mn LKR**





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	366	470
Thermal - Coal	374	350
Thermal - Oil	307	269
Other Renewables	236	336
Total	1283	1425

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	1,090 Mn LKR
Thermal - Coal	8,777 Mn LKR
Thermal - Furnace Oil	11,864 Mn LKR
Thermal - Diesel	663 Mn LKR
Thermal - Naphtha	4,010 Mn LKR
Wind - CEB	605 Mn LKR
Wind - IPP	378 Mn LKR
Solar - IPP - Ground Mounted	366 Mn LKR
Solar - Roof Top	1,749 Mn LKR
Mini Hydro	1,199 Mn LKR
Municipal Solid Waste	232 Mn LKR
Total Generation Cost	30,933 Mn LKR

Generation Energy Cost (Oct) 24,658 Mn LKR

*Generation Capacity Cost (Oct) 5,110 Mn LKR

Other Cost (Oct) 1,166 Mn LKR

Average Unit Cost of Generation (Oct) 24.12 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.