



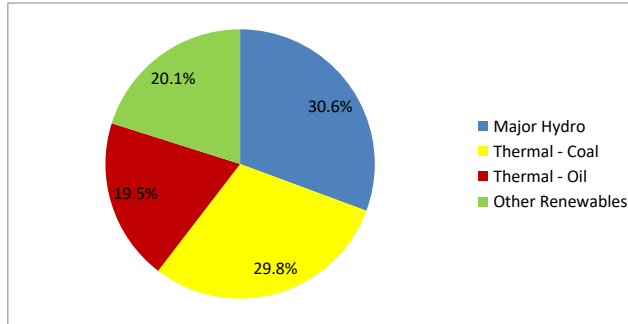
Daily Electricity Generation & Cost Estimation Report

11th October 2024



Daily Generation Mix -11th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.50	30.6%
Thermal - Coal	13.11	29.8%
Thermal - Furnace Oil	5.77	13.1%
Thermal - Diesel	0.13	0.3%
Thermal - Naphtha	2.68	6.1%
Wind - CEB	0.86	2.0%
Wind - IPP	1.09	2.5%
Solar - IPP - Ground Mounted	0.55	1.2%
Solar - Roof Top	2.42	5.5%
Mini Hydro	3.77	8.6%
Municipal Solid Waste	0.17	0.4%
Total	44.05	



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

Estimated Generation Cost : 11th 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	2.78	2.78
Thermal - Coal	238.0	27.5	44.5	310.0	18.15	2.09	3.40	23.64
Thermal - Furnace Oil	257.0	9.4	50.3	316.6	44.53	1.63	8.71	54.87
Thermal - Diesel	8.0	1.5	19.8	29.2	62.49	11.34	154.35	228.19
Thermal - Naphtha	137.8	1.9	3.2	142.9	51.52	0.72	1.19	53.43
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	24.22	24.22
Wind - IPP	17.6	0.0	0.0	17.6	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	10.8	0.0	0.0	10.8	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	51.2	0.0	0.0	51.2	13.59	0.00	0.00	13.59
Municipal Solid Waste	6.7	0.0	0.0	6.7	39.00	0.00	0.00	39.00
Total	787.3	40.2	176.2	1003.7	17.87	0.91	4.00	22.79

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 : **22.79 LKR/kWh**
 Total Generation Cost for the day: **1003.74 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 - 11th Oct 2024 (Excluding generation from non telemetered power plants)

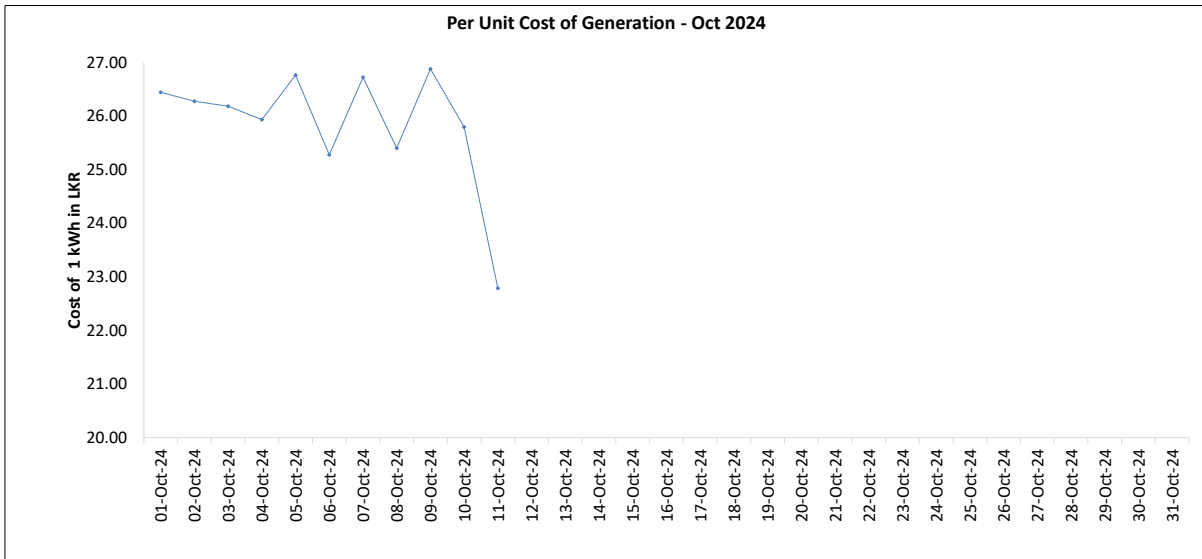
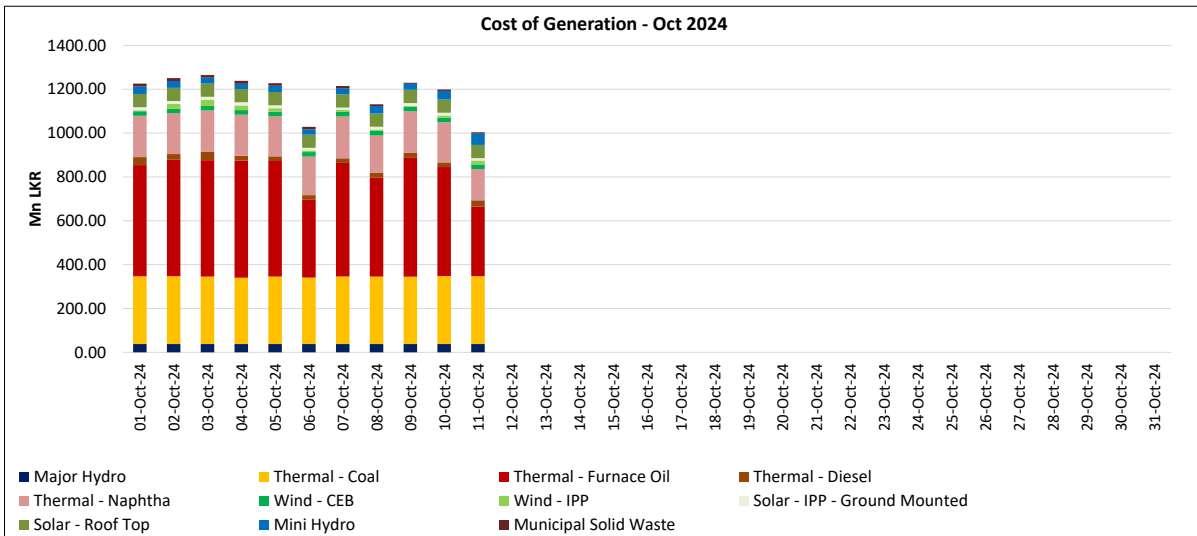
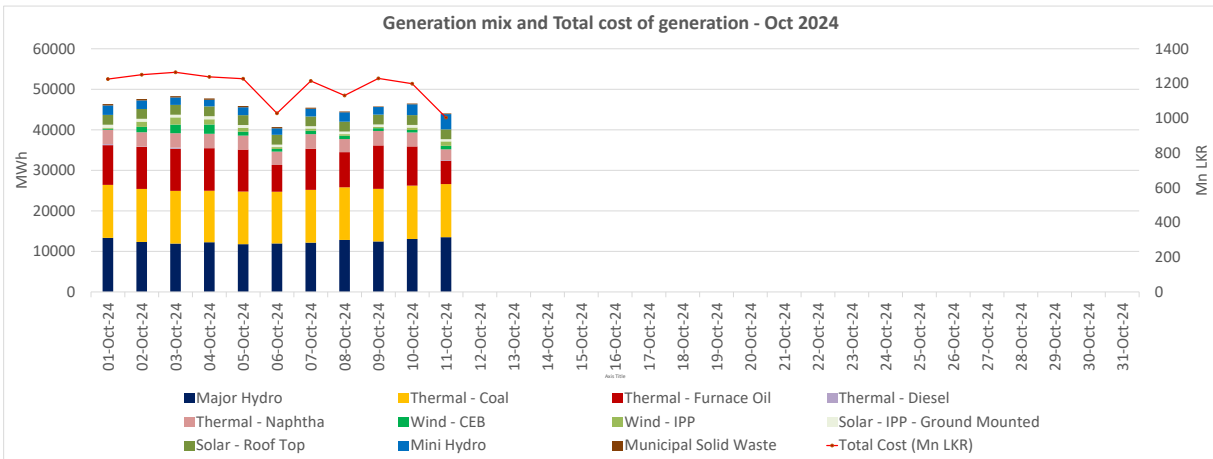
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.0	30%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	10.8	25%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB		
Wind - IPP	0.9	2%
BMP	0.1	1%
Solar	0.3	1%
Mini Hydro	1.9	4%
Total	43.60	

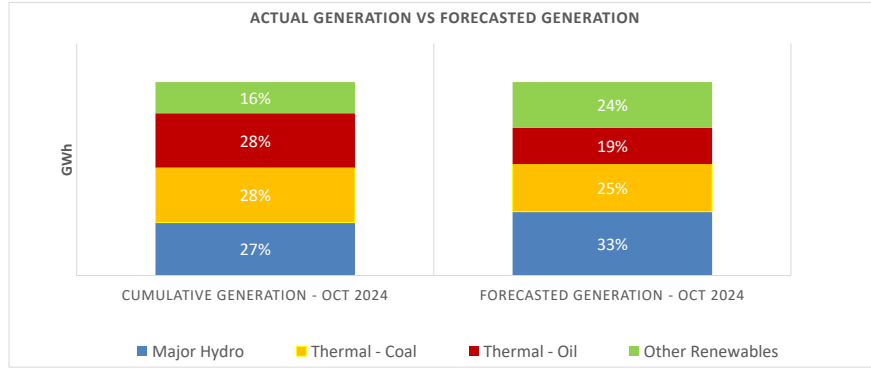
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1165.75 Mn LKR**

Actual Generation Mix - 11th Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.5	33%
Thermal - Coal	13.1	32%
Thermal - Furnace Oil	5.8	14%
Thermal - Diesel	0.13	0%
Thermal - Naphtha	2.7	6%
Wind - CEB	0.9	2%
Wind - IPP	1.1	3%
BMP	0.2	0.4%
Solar	0.6	1%
Mini Hydro	3.6	9%
Total	41.42	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **937.52 Mn LKR**





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	138	470
Thermal - Coal	143	350
Thermal - Oil	141	269
Other Renewables	81	336
Total	503	1425

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	413.49 Mn LKR
Thermal - Coal	3384.77 Mn LKR
Thermal - Furnace Oil	5312.34 Mn LKR
Thermal - Diesel	280.44 Mn LKR
Thermal - Naphtha	1985.23 Mn LKR
Wind - CEB	229.40 Mn LKR
Wind - IPP	145.03 Mn LKR
Solar - IPP - Ground Mounted	140.39 Mn LKR
Solar - Roof Top	663.31 Mn LKR
Mini Hydro	347.80 Mn LKR
Municipal Solid Waste	111.00 Mn LKR
Total Generation Cost	13,013.21 Mn LKR

Generation Energy Cost (Oct) 10,632.77 Mn LKR

*Generation Capacity Cost (Oct) 1,938.23 Mn LKR

Other Cost (Oct) 442.21 Mn LKR

Average Unit Cost of Generation (Oct) 25.88 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.