



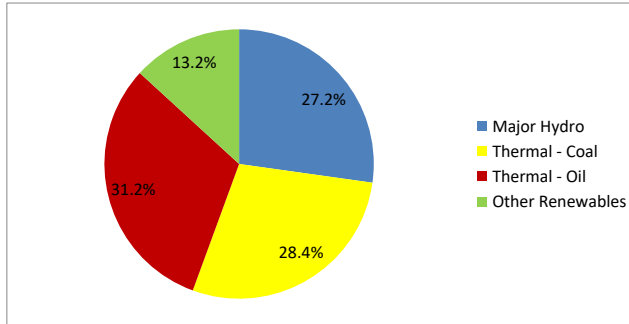
Daily Electricity Generation & Cost Estimation Report

9th October 2024



Daily Generation Mix -9th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.45	27.2%
Thermal - Coal	12.98	28.4%
Thermal - Furnace Oil	10.72	23.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.56	7.8%
Wind - CEB	0.69	1.5%
Wind - IPP	0.30	0.7%
Solar - IPP - Ground Mounted	0.63	1.4%
Solar - Roof Top	2.42	5.3%
Mini Hydro	1.88	4.1%
Municipal Solid Waste	0.12	0.3%
Total	45.75	



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

Estimated Generation Cost : 9th 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	3.02	3.02
Thermal - Coal	235.5	27.5	44.5	307.5	18.15	2.11	3.43	23.69
Thermal - Furnace Oil	484.9	9.4	50.3	544.5	45.22	0.87	4.69	50.78
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	183.2	1.9	3.2	188.3	51.52	0.54	0.90	52.96
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	30.18	30.18
Wind - IPP	4.9	0.0	0.0	4.9	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	12.2	0.0	0.0	12.2	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	27.4	0.0	0.0	27.4	14.61	0.00	0.00	14.61
Municipal Solid Waste	4.8	0.0	0.0	4.8	39.30	0.00	0.00	39.30
Total	1013.2	40.2	176.2	1229.6	22.15	0.88	3.85	26.88

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 : **26.88 LKR/kWh**
 Total Generation Cost for the day: **1229.62 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 - 9th Oct 2024 (Excluding generation from non telemetered power plants)

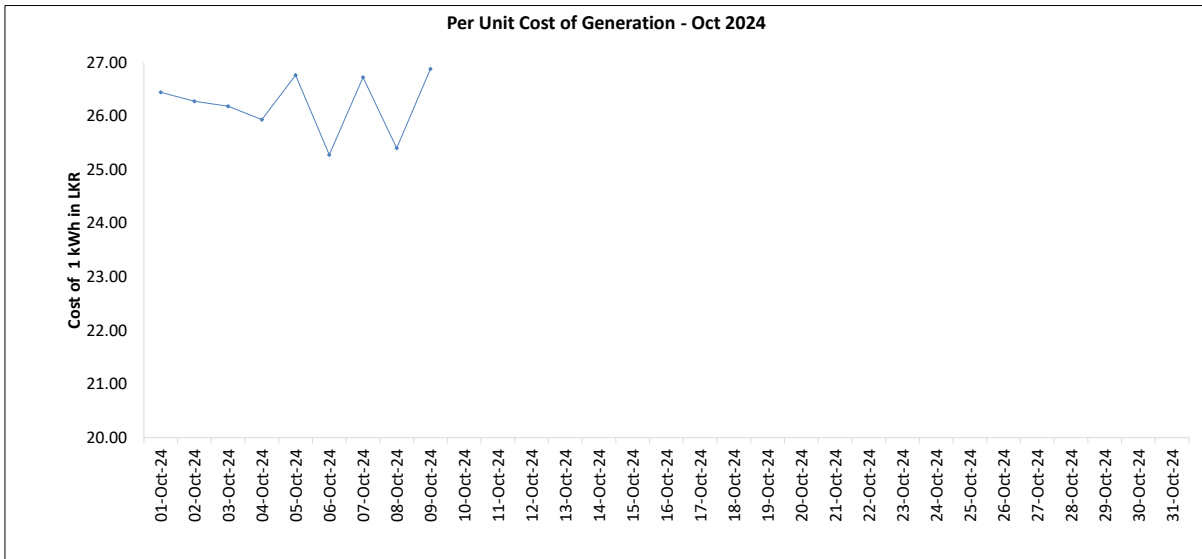
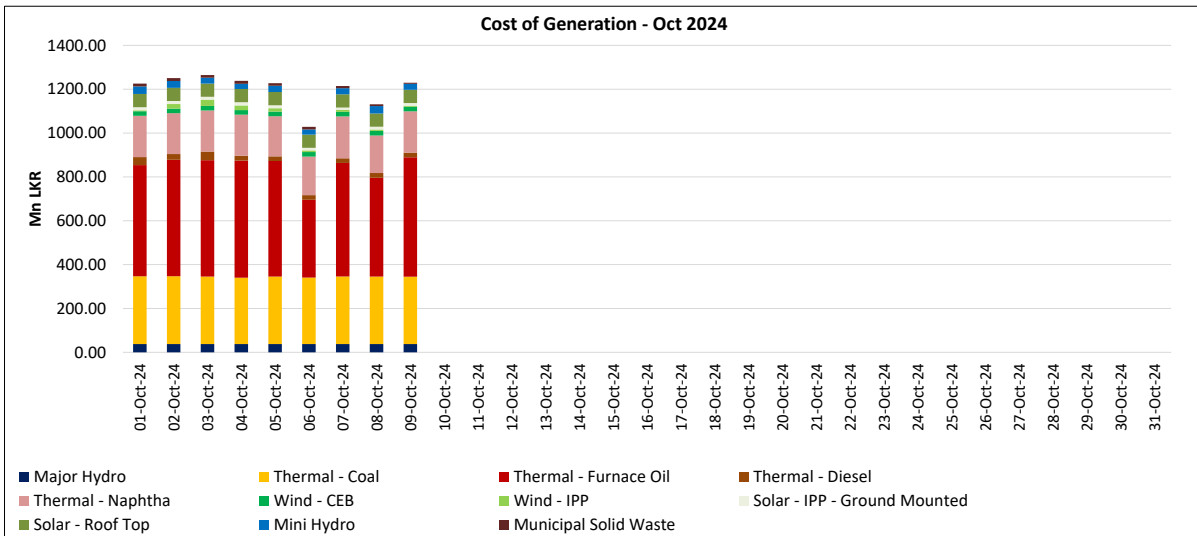
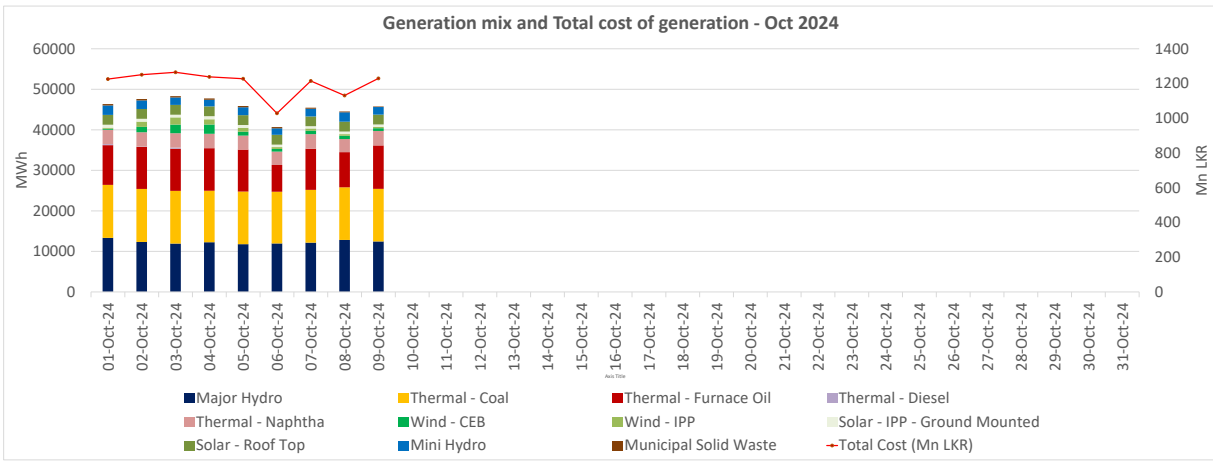
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.1	30%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	11.1	25%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB		
Wind - IPP	0.7	2%
BMP	0.3	1%
Solar	0.3	1%
Mini Hydro	1.8	4%
Total	43.78	

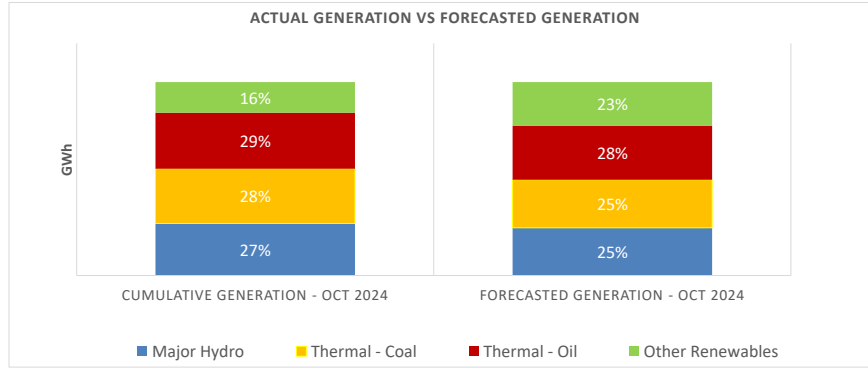
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1183.98 Mn LKR**

Actual Generation Mix - 9th Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.5	29%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	10.7	25%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.7	2%
Wind - IPP	0.3	1%
BMP	0.1	0.3%
Solar	0.6	1%
Mini Hydro	1.8	4%
Total	43.23	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1164.76 Mn LKR**





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	111	347
Thermal - Coal	117	350
Thermal - Oil	120	393
Other Renewables	65	317
Total	412	1407

Forecasted Generation - SDDP Sept 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	338.31 Mn LKR
Thermal - Coal	2764.31 Mn LKR
Thermal - Furnace Oil	4498.81 Mn LKR
Thermal - Diesel	230.03 Mn LKR
Thermal - Naphtha	1658.94 Mn LKR
Wind - CEB	187.69 Mn LKR
Wind - IPP	117.56 Mn LKR
Solar - IPP - Ground Mounted	117.14 Mn LKR
Solar - Roof Top	542.71 Mn LKR
Mini Hydro	257.43 Mn LKR
Municipal Solid Waste	97.73 Mn LKR
Total Generation Cost	10,810.65 Mn LKR

Generation Energy Cost (Oct) 8,863.02 Mn LKR

*Generation Capacity Cost (Oct) 1,585.82 Mn LKR

Other Cost (Oct) 361.81 Mn LKR

Average Unit Cost of Generation (Oct) 26.22 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.