



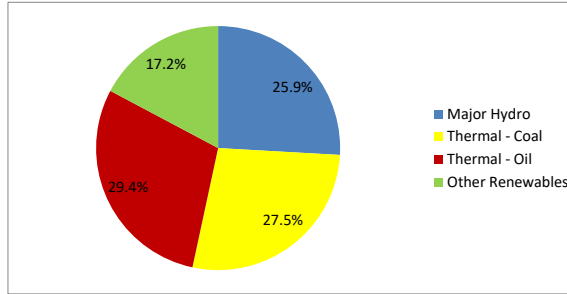
Daily Electricity Generation & Cost Estimation Report

2nd October 2024



Daily Generation Mix -2nd Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.33	25.9%
Thermal - Coal	13.08	27.5%
Thermal - Furnace Oil	10.39	21.8%
Thermal - Diesel	0.08	0.2%
Thermal - Naphtha	3.52	7.4%
Wind - CEB	1.33	2.8%
Wind - IPP	1.29	2.7%
Solar - IPP - Ground Mounted	0.70	1.5%
Solar - Roof Top	2.42	5.1%
Mini Hydro	2.13	4.5%
Municipal Solid Waste	0.34	0.7%
Total	47.60	



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

Estimated Generation Cost : 2nd 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	3.05	3.05
Thermal - Coal	237.4	27.5	44.5	309.4	18.15	2.10	3.40	23.65
Thermal - Furnace Oil	471.5	9.4	50.3	531.2	45.39	0.90	4.84	51.13
Thermal - Diesel	5.1	1.5	19.8	26.3	62.49	17.93	243.91	324.33
Thermal - Naphtha	181.3	1.9	3.2	186.5	51.52	0.55	0.91	52.97
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	15.67	15.67
Wind - IPP	20.8	0.0	0.0	20.8	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	13.6	0.0	0.0	13.6	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	31.1	0.0	0.0	31.1	14.61	0.00	0.00	14.61
Municipal Solid Waste	13.2	0.0	0.0	13.2	39.30	0.00	0.00	39.30
Total	1034.3	40.2	176.2	1250.7	21.73	0.84	3.70	26.27

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 : **26.27 LKR/kWh**
 Total Generation Cost for the day: **1250.69 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 - 2nd Oct 2024 (Excluding generation from non telemetered power plants)

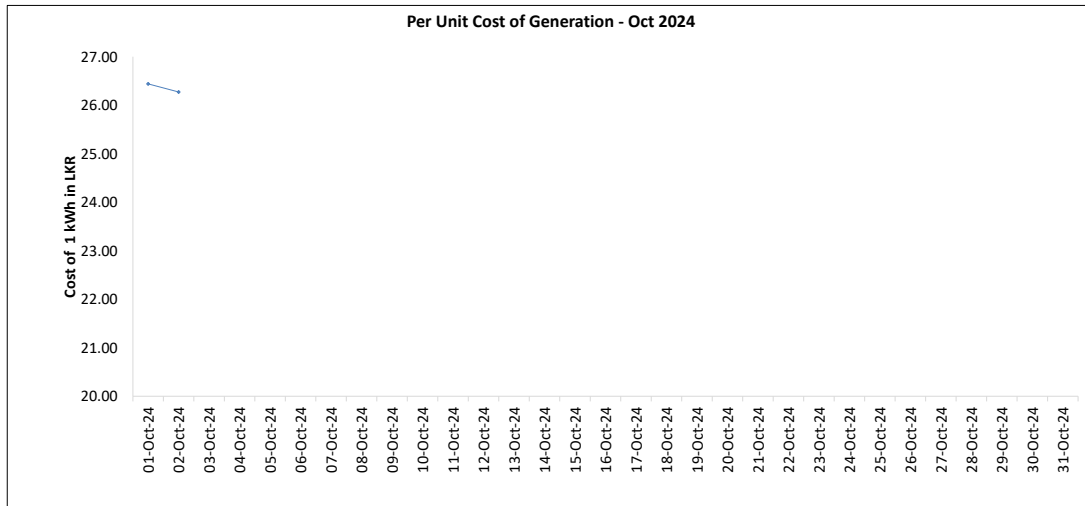
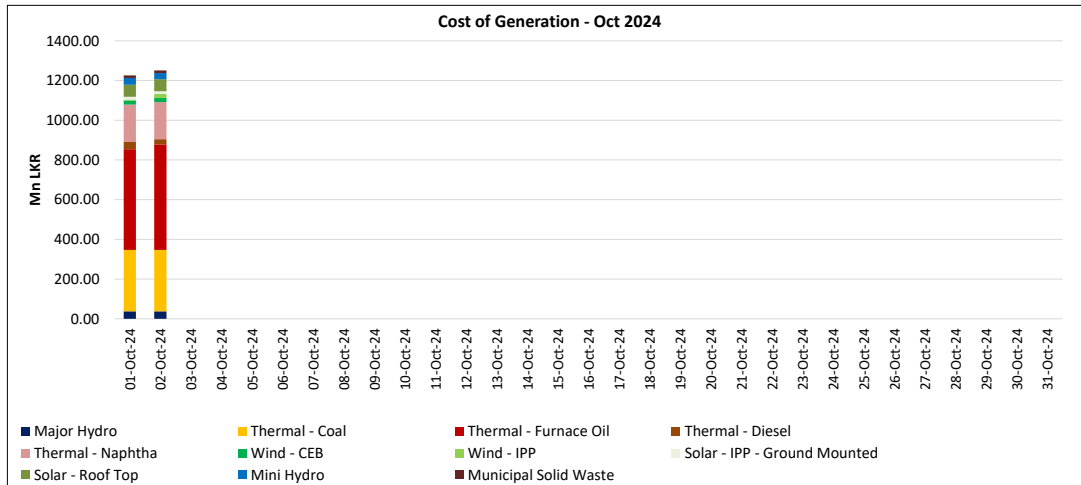
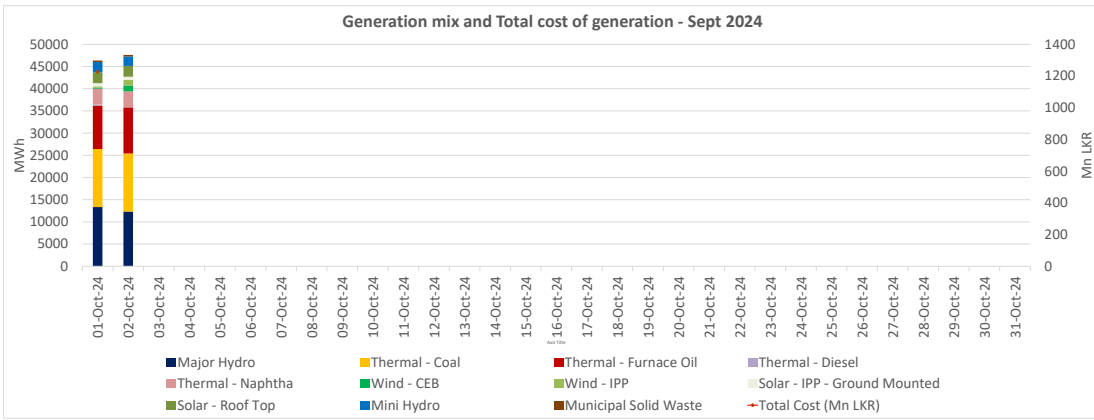
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.0	28%
Thermal - Coal	13.0	28%
Thermal - Furnace Oil	10.9	24%
Thermal - Diesel	1.5	3%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.1	2%
Wind - IPP		
Solar	0.3	1%
Mini Hydro	2.58	6%
Total	44.95	

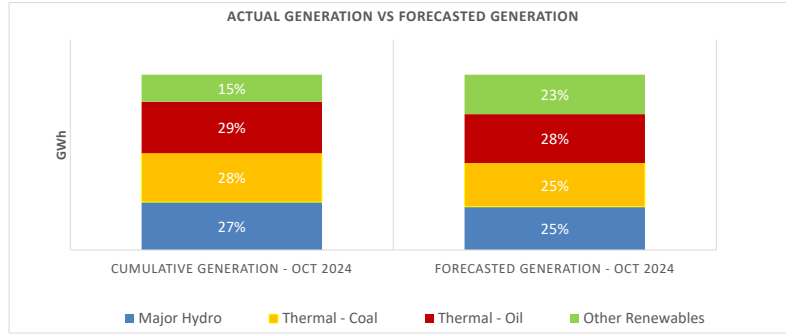
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1341.31 Mn LKR**

Actual Generation Mix - 2nd Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.3	28%
Thermal - Coal	13.1	29%
Thermal - Furnace Oil	10.4	23%
Thermal - Diesel	0.08	0%
Thermal - Naphtha	3.5	8%
Wind - CEB	1.3	3%
Wind - IPP	1.3	3%
Solar	0.7	2%
Mini Hydro	2.0	4%
Total	44.73	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1179.57 Mn LKR**





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	26	347
Thermal - Coal	26	350
Thermal - Oil	28	393
Other Renewables	15	317
Total	94	1407

Forecasted Generation - SDDP Sept 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	75.18 Mn LKR
Thermal - Coal	618.60 Mn LKR
Thermal - Furnace Oil	1038.20 Mn LKR
Thermal - Diesel	62.85 Mn LKR
Thermal - Naptha	374.82 Mn LKR
Wind - CEB	41.71 Mn LKR
Wind - IPP	25.10 Mn LKR
Solar - IPP - Ground Mounted	27.79 Mn LKR
Solar - Roof Top	120.60 Mn LKR
Mini Hydro	65.38 Mn LKR
Municipal Solid Waste	26.21 Mn LKR
Total Generation Cost	2,476.43 Mn LKR

Generation Energy Cost (Oct) 2,043.63 Mn LKR

*Generation Capacity Cost (Oct) 352.40 Mn LKR

Other Cost (Oct) 80.40 Mn LKR

Average Unit Cost of Generation (Oct) 26.36 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.